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The Public Land Survey Records in Minnesota: An Inventory
and Description of the Deputy Surveyor Contracts in the
Minnesota Historical Society Collections

Rod Squires

Department of Geography
University of Minnesota

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Final Report

Prepared by:

Rod Squires

Department of Geography
University of Minnesota

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EXECUTIVE SUMMARY

The rectangular public land surveys were carried out in Minnesota by a cadre of deputy surveyors under contract with the Surveyors General of Wisconsin and Iowa (1847-1857) and the Surveyors General of Minnesota (1857-1908). Only a small fraction of the contracts awarded to approximately 300 deputies in the 60 years during which the surveys were carried out are contained in the Minnesota Historical Society (MHS) collection in St. Paul. The first contract in the collections dates from 1881 and the last from 1907 but the collection does not include all the contracts awarded during that period.

The manner in which the few contracts in the MHS collection have been stored enhances their value. Most are stored in folders accompanied by additional documents relating to the contract. Contracts are accompanied by the special instructions, under which the deputy was to carry out the work described in the contract, and the oaths, bonds, and affidavits that were to be made by the deputy to whom the contract was awarded. Even miscellaneous letters relevant to a particular contract are included. Some folders, those containing contracts for township subdivisions for example, contain sketches of the township exterior lines. This modest collection of contracts thus provides a rich source of information for the last twenty years of the public land surveys in Minnesota.

1 INTRODUCTION

The public land surveying process that created the original property descriptions in Minnesota is documented in a variety of records important to MnDOT's continuing efforts to acquire and manage land. These records, many of which are quite fragile, are stored in three archives; the Minnesota History Center in St. Paul, the Iowa State Historical Society Library in Des Moines IA, and the National Archives in Washington DC. The Minnesota Historical Society has produced a guide to the land records in the Minnesota History Center (Kinney and Lucas 1985) but, for the most part, the records are poorly indexed and, as a result, are not very accessible. Many of the records in the Minnesota Historical Society's guide are described in more detail by the various finding aids listed in the Historical Society's Library Catalog and appropriately referenced in this report.

This project catalogs and describes those contracts awarded to the deputy surveyors who carried out the public land surveys that are currently stored in the Minnesota History Center. It is part of a larger research effort aimed at providing an electronic image of all paper records produced during the surveying process in Minnesota. (Krafthefer, 2006) Several projects have already contributed to that goal. The township plats have been scanned and are now available in digital format. (MnGeo, 2011a, Squires, 2010 339) The special instructions given to each deputy by the surveyor general have been cataloged and digital images of those stored in the Iowa State Archives have been made and described. (Squires, 2008, 2009b) Finally, the Minnesota Geospatial Information Office has recently scanned and indexed the field notes made by the deputy surveyors in preparation for placing digital images of the notes online. (MnGeo, 2011b)

In An Inventory of the Public Land Survey Records for Minnesota: The Special Instructions, I recommended, as a first step in acquiring images of all materials produced during the surveying process, that a list of the deputies who were employed in carrying out the surveys be compiled, along with dates of contracts and maps to show where the work specified in the contract was carried out. (Squires, 2008 79)

2 THE NATURE OF SURVEYING CONTRACTS

All individuals who worked as deputy surveyors in Minnesota carried out their work under a contract or “special instructions.”¹ From 1847, when the first survey lines were run west of the St. Croix River, in an area that would become Minnesota Territory two years later, until 1857 these contracts/“special instructions” were awarded by the Surveyor General of Wisconsin and Iowa who was responsible for the surveys in the Wisconsin and Iowa surveying district established in 1838. From 1857 until 1908, when the surveys in Minnesota were completed, the contracts/“special instructions” were awarded by the Surveyor General of Minnesota, an office created in 1857. These records are important. For all practical purposes, a contract started the surveying process, binding the federal government and a private individual together for a particular period of time for a particular purpose. Both parties benefited from the contractual relationship. Minimally, the government received a portion of land that was covered by a rectangular grid, lines demarcated by blazed trees along which were posts or mounds at regular intervals, field notes that explained how the grid was constructed, and observations about the nature of the land surface, all information used to compile the township plats and descriptive sheets. Depending on the contract there could also be a variety of maps. Deputies received money when they completed their contracts to the satisfaction of the Surveyor General and the Commissioner of the General Land Office, both of whom examined the plats and field notes.

But significantly, from the standpoint of the larger goal of this, and earlier projects describing the land survey records, a contract provides the thread that ties together all surveying records.² (Fig. 1) Of the records shown in Figure 1, only the descriptive sheets do not contain any reference to the contract under which the records were made.

Three copies of each contract were made. One copy was probably given to the deputy although there is no evidence that this was the case. One copy was filed in the Surveyor General’s office, which, depending on the date it was executed, was either the Surveyor General of Wisconsin and Iowa or the Surveyor General of Minnesota. One copy was sent to the Commissioner of the General Land Office in Washington D.C. under the provisions of Section 1 of the act of May 30, 1862, “An Act to reduce the Expenses of Survey and Sale of the Public Lands in the United States,” which stated that all future contracts had to be approved by the Commissioner of the General Land Office. (12 Stat. 409) In theory then, there should exist today at least two copies of all contracts awarded to deputies in Minnesota, one either in the Iowa State Historical Society collections in Des Moines or the MHS collections in St. Paul, and one in the National Archives in Washington D.C.

Surprisingly, however, only a few contracts are stored in the MHS collections. The first contract is dated 1881 and the last dated 1907 and the collection does not include all the contracts awarded during the period 1881-1907. Appendix B contains tables that show what contracts/“special instructions” were issued by the Surveyors General of Minnesota during the

¹ As used here, the term “special instructions,” refers to a document that contained both the information usually found in contracts and the special instructions that often accompanied contracts. These “special instructions” are described further below.

period 1881-1908 according to published official documents. Why so few, particularly those relating to the surveys carried out 1857-1881 when the surveys were managed by the Surveyor General of Minnesota, are to be found in the MHS collections is unknown. Why so few from the period 1847-1857, when the surveys were managed by the Surveyor General of Wisconsin and Iowa, are to be found in the MHS collections is also unknown. At least some of the contracts, or perhaps copies of the contracts, were forwarded to the first Surveyor General of Minnesota, Charles L. Emerson. On October 30, 1857 for example, Warner Lewis, Surveyor General of Wisconsin and Iowa, wrote to Emerson stating that he was sending several contracts “in compliance with the request contained in your letter of 1st inst.”

Only a small fraction of the contracts awarded to approximately 300 deputies in the 60 years during which the surveys were carried out in Minnesota are to be found in the MHS collection. With exceptions, the contracts/”special instructions” concern only those surveys carried out in the northern portion of the State. (Fig. 2) These contracts probably do not adequately represent the variety and richness of these particular surveying records.

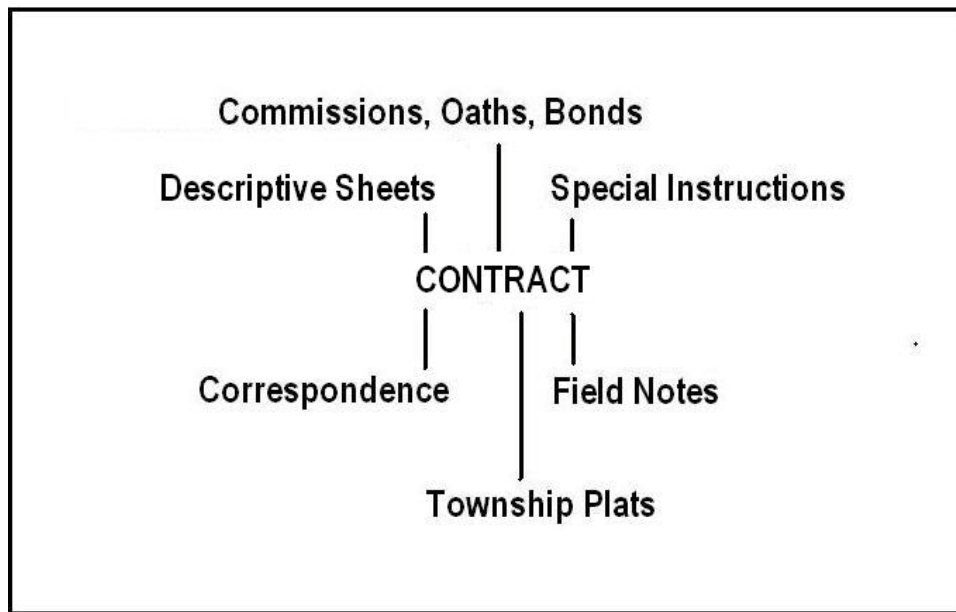


Figure 1. Relationships between contracts and other surveying records.

The manner in which the contracts in the MHS collection have been stored enhances the value of these few records. Most are stored in folders along with additional documents relating to the contract. So, contracts are accompanied by the special instructions, under which the deputy was to carry out the work described in the contract, along with the oaths, bonds, and affidavits that were to be made by the deputy to whom the contract was awarded. Even miscellaneous letters relevant to a particular contract are included. Some folders, those containing contracts for township subdivisions for example, even contain sketches of the township exterior lines. Some folders contain only documents relating to particular “special instructions.”

There is no information explaining why and when the contracts were archived in this manner. How documents are organized and cataloged is a function of the organization of the entity whose records are being preserved, in this case the Office of the Surveyor General of Minnesota. How these documents are stored is a function of the organization that is storing the material, in this case the Minnesota Historical Society. The MHS must archive materials according to access, use, and storage considerations - how much use the material will get, what space is available for storage, and what preservation concerns exist for the documents, for example. The MHS stores the public land survey records in boxes labeled with numbers that refer to where specific records are stored. In the case of the contracts described here the relevant storage boxes contain folders and/or bound volumes. Each folder, some of which contain other folders, is labeled according to its contents. Importantly, and potentially confusingly, boxes may contain documents that relate to different parts of the organization creating the records. The box containing the Contract and Special Instructions described here, for example, also contains Accounting Records of the Surveyor General.

Together, however, the collection of contracts and “special instructions” provide a rich source of information for the last twenty years of the public land surveys in Minnesota.

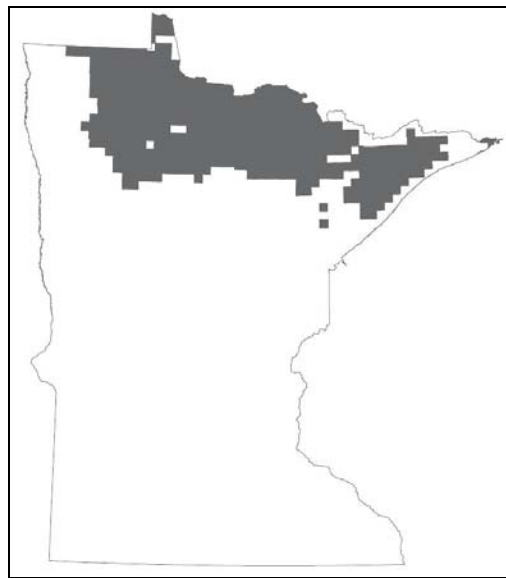


Figure 2. Surveys completed after 1880.

Generally speaking, contracts were awarded to survey lands the Surveyor General regarded as the most desirable and hence those that would sell fairly quickly if exposed to public auction. As Surveyor General John F. Norrish wrote in his annual report dated July 27, 1889,

The settlers on unsurveyed lands in the northern part of the State have continued during the past year to urge their requests for the survey of the townships in which they are located. Most of these townships are covered with timber or forests, a large proportion of which has no commercial value, but the land when cleared is reported to be valuable for agricultural purposes. I am satisfied from the best and most reliable information I can obtain that the survey of a large number of townships in northern

Minnesota is needed for the benefit of actual settlers, and that such surveys would advance the settlement of the country and materially aid in the development of the resources of this State. (United States, Congress, House, 1889 350)

Contracts were awarded for various surveying duties; to run correction lines, standard parallels, or guide meridians; to establish township exteriors; and to subdivide townships. One contract was awarded, in fact, to extend the 4th Principal Meridian north of Lake Superior. Several were awarded both to establish township exteriors and to subdivide the township. (United States, Congress, House, 1875) Some were awarded to retrace or otherwise correct lines that had already been run, some specifically mentioned meanders, others do not. Some were awarded to subdivide American Indian reservations.

Each contract contains the following information:

- The name of the contracting surveyor,
- The date the contract was issued,
- The date the fieldwork was to be completed,
- A description of the work to be done,
- The rate of pay,
- The estimated cost of the survey, and
- The source of funds for the survey.

Each contract consists of a single page, 28 ins. x 10 ins., folded into 2 and then folded again into four so that the summary details of the contract, its number, the contract date, the parties concerned, the estimated value of the contract, the source of the funds – usually Congressional appropriations – and the date approved by the Commissioner of the General Land Office, can be seen without the need to look at the entire handwritten document. (Fig. 3) Such details would be used to file the contracts. Before 1896 contracts comprised a single printed sheet of paper appropriately personalized to reflect the parties and the work involved. A Circular dated January 28, 1882 regarding the appropriate form of these combined documents has not been found.

After 1896, when some of the information is typed, the contracts also contain the printed bond that each deputy had to post for the faithful performance of the work specified. The contracts and bonds were printed on four sides of a sheet of paper measuring 34 ins. x 11 ins., that was folded into two and then again into three with the summary details of the contract as shown in Figure 3. Physically, the contracts and bonds look the same as the contracts. (Fig. 4)

“Special instructions” were issued to deputies to survey a particular tract of land at the request of an individual or to correct errors discovered in the work performed by a previous deputy. There were various requirements for such surveys, see below in report, United States. Office of Surveyor General of Minnesota. Miscellaneous Records. Location 111.E.9.10F. Petitions for Surveys.

The individuals asking for the surveys were responsible for paying for the cost of the surveys, hence such surveys were generally called deposit surveys. Often, these “special instructions” gave legal effect to an agreement that had already been reached between individuals and a

particular deputy to survey particular tracts of land and merely needed the approval of the Commissioner of the General Land Office.³ Virtually all islands were surveyed without the benefit of a formal contract; what the deputy was to do was spelled out in the “special instructions.” In a letter to Representative George C. Hazelton dated Feb. 3, 1882, the Commissioner of the General Land Office, N. C. McFarland, explained the procedure,

In the matter of the survey of small islands, there are instructions of a general character, which are as follows; In order to bring the question of the disposition of islands properly before this office, it will be necessary first to have the same surveyed, and to that end application for survey may be presented to me for consideration, describing particularly the location of the island or islands with reference to the adjoining public surveys; also stating the area and character of the same, and illustrating the position by a rough diagram.

On receipt of the application referred to, if the island or islands are considered surveyable, steps will be taken to have the same surveyed, and when surveyed the lands will be disposed of under existing laws and regulations. (United States, National Archives 1796-1901) (Fig. 5)

Most “special instructions” consist of several pages of text. Some are written on one side of paper that measures 28 ins. x 10 ins folded into four and some are typed on legal sized pages (14 ins. x 8.5 ins.). Summary information is written on the reverse side of the back page, similar to the information written on the exteriors of the contracts. (Fig. 6)

³ After 1862 all contracts had to be approved by the Commissioner of the General Land Office. Apparently, all “special instructions,” under which land was surveyed at the application of interested parties some of whom had already settled on the land, had to be approved. There are several “special instructions’ in the MHS collections that were “disapproved.”

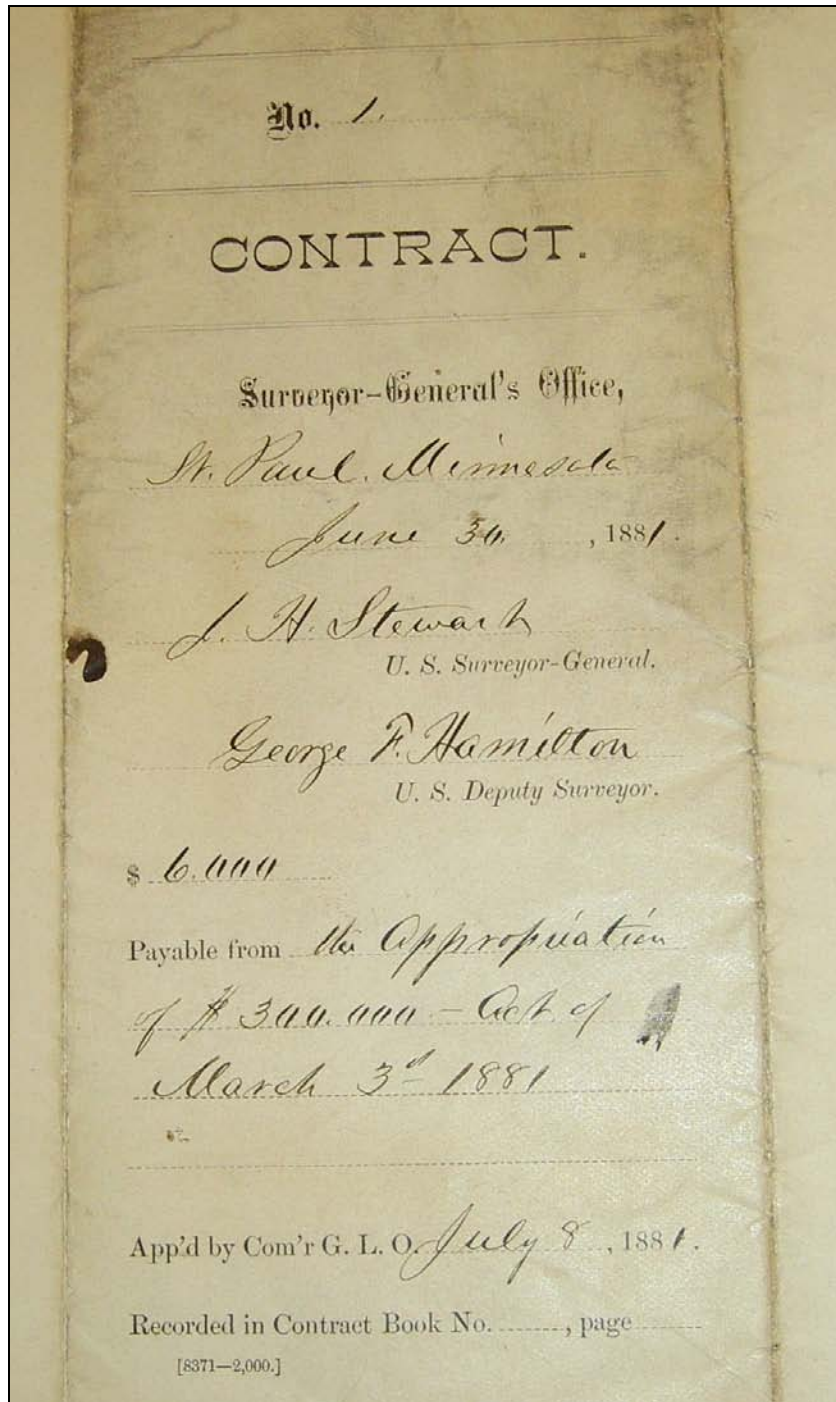


Figure 3. Contract No.1 awarded June 20, 1881 to George F. Hamilton. (Image from the MHS collections).⁴

⁴ When the contracts were first numbered or how or why they were numbered is not known.

CONTRACT AND BOND.

No. 80.

Office of U. S. Surveyor General,

St. Paul, Minnesota

May 27, 1898

Patrick H. Kirwan

U. S. Surveyor General.

Bernard Keegan

U. S. Deputy Surveyor.

\$ 600. *July 5*
80 added June 30, 1898
exp. June 18, '98

Payable from the Appropriation

for survey of public lands

Act approved June 4, 1897

Approved *June 6*, 1898

.....
Commissioner of the General Land Office.

Recorded in Contract Book No. _____, page _____

Figure 4. Contract No. 80 and bond awarded May 27, 1898 to Bernard Keegan. (Image from the MHS collections).

Copy

APPLICATION OF

Ernest L. Shipman
Towner, Minn.

Township 61, Range 17 West P.M.

Settler's Application for Survey under Sec.
2401, Revised Statutes of the U. S.

Filed 17 day of May, 1884

Approved the 19th day of May,
1884.

(Signed) Martin S. Chandler
Surveyor General.

for Minnesota

Deposit required:

For survey \$ 600 -

Office work and expenses 75 -

\$ 675

Certificates of deposit Nos. 1376, 1377

1378, & 1379.

dated 30th day of May, 1884

Included in contract No. 40, dated

13th day of June, 1884

Gay P. Stacy
U. S. Deputy Surveyor.

Figure 5. Application for survey. (Image from the MHS collections).

Special Instructions to
N.G. Highstrom. to survey
Island in Lake Charlotte
in Sec. 29. & 30. T. 118 N.
R. 33. W. 5th Meridian

Approved by Com. of the
Genl Land Office
June 24. 1884

Figure 6. "Special instructions" to N.G. Highstrom. (Image from the MHS collections).

3 THE CONTRACTS AND “SPECIAL INSTRUCTIONS” IN THE MINNESOTA HISTORY CENTER

There are three collections in the Minnesota History Center relevant to an inventory of surveying contracts;

- The contracts and ”special instructions” themselves,
- The indexes to the contracts and “special instructions,”
- Other records that either provide information about a particular contract or “special instructions” or that reference a contract or “special instructions.”

3.1 The Contracts and “Special Instructions”

The MHS collections are housed in boxes each labeled with numbers that refer to its storage location. Each box contains labeled folders or bound volumes. Each folder may contain other labeled folders. Importantly, for users of the records, boxes may contain records that may not be similarly cataloged.

The bulk of the contracts/”special instructions” are housed in two collections.

- Agency: United States. Office of Surveyor General of Minnesota
- Series Title: Contracts for Surveys, 1857-1907. (MHS Finding Aid, 2011a)
- Location: 111.E.10.1B.

The documents are stored in ten folders containing the actual contract or “special instructions” along with miscellaneous documents relating to the contract or “special instructions.” Each folder contains material for a different time period. The subject of these folders is shown in the following tables labeled Folders 1-10. A few of the contents of the folders are described in detail to represent the variety of information. Documents in the folders include;

- a. forms required by law to be completed before an individual could be awarded a surveying contract, for example, the oath of allegiance the prospective deputy had to sign and the bond he had to post,
- b. “special instructions,” even additional or supplemental “special instructions,”
- c. maps that would guide the deputy in his work including, for example, a copy of a portion of the relevant certified township plat or a diagram showing the township exteriors that had already been established,
- d. letters of various kinds, including those from the deputy to the Surveyor General requesting an extension of time needed to fulfill the contract, and
- e. forms required to be completed by the deputy and his assistants at the end of the contracted work.

Table 1. Folder No.1 1881-1885

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations Act March 3, 1881	1	June 30, 1881	Geo. F. Hamilton	C, E ⁵
Appropriations Act March 3, 1881	2	June 30, 1881	Mahlon Black	C, E
Appropriations Act March 3, 1881	7	Oct. 1 1881	Geo. F. Hamilton	G
Appropriations Act March 3, 1881	15	Feb. 3, 1882	Geo. F. Hamilton	S
Appropriations Act March 3, 1881	24	June 22, 1882	George R. Stuntz	E, S
Appropriations Act March 3, 1881	25	Jan. 22, 1883	George R. Stuntz	S
Appropriations Act March 3, 1883	36 ⁶	Aug. 1, 1883	Charles E. Davis	E, S
Appropriations Act March 3, 1883	38	Oct. 3, 1883	Geo. F. Hamilton	E, S
	Sp.	April 30, 1884	B. F. Chrislieb	I
	Sp.	June 11, 1884	C. B. Garrison	I
Special Deposit	40	June 30, 1884	Day Stacy	E, S
Appropriations Act March 3, 1883	41	June 16, 1884	Day Stacy	E, S
	Sp.	June 17, 1884	N. G. Highstrom	I
Appropriations Act July 7, 1884	43	Sept. 15, 1884	George A. Klein	E
Appropriations Act July 7, 1884	45	Feb. 25, 1885	Jacob A. Westby	S

⁵ Abbreviations used in the following tables are as follows;

Sp.	“Special Instructions”	E	Township Exterior Lines
C	Correction Line	S	Township Subdivision Lines
P	Standard Parallel	M	Meanders
G	Guide Meridian	I	Island(s)
		IP	Independent Meridian

⁶ Contract no. 36 awarded to Charles E. Davis on August 14, 1883, was a contract for both township exteriors and subdivisions, with an estimated value of \$6,750. With the contract were the special instructions, dated August 14, 1883, from the Surveyor General, Martin Chandler; a letter from Davis dated December 13, 1883, when he was in Grand Marais about paying for his supplies, on the reverse of which was information from H. Mayhew who had supplied the goods to him, stating that he had no claim against Davis – presumably Davis had paid for his supplies – a letter that was recorded in the Cook County Recorder’s Office on January 11, 1884; a letter from Davis to Chandler, dated January 13, 1884, asking that the funds for his work be sent to the National German American Bank; and some penciled notes that seem to be distances.

Table 2. Folder No. 2 1886-1897

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations. Act March 3, 1885	49	June 12, 1886	William A. Kindred	Disapproved
Appropriations. Act March 3, 1885	50	June 12, 1886	George F. Hamilton	Disapproved
No information	51	Dec. 17, 1886	Robert K. Whiteley	S
	Sp	April 16, 1887	George A. Ralph	S
Appropriations Act June 10, 1896	70	Nov. 2, 1896	Bernard Keegan	S
Appropriations Act June 10, 1896	71	Nov. 5, 1896	Thomas H. Croswell & LeRoy V. Smith	S
Appropriations Act June 10, 1896	72 ⁷	Nov. 6, 1896	George A. Ralph	S
Appropriations Act June 10, 1896	73	Dec. 10, 1896	Thomas H. Croswell	E, S
Appropriations Act June 10, 1896	75	May 25, 1897	George A. Ralph	E, S
Appropriations Act June 10, 1896	76	June 15, 1897	Thomas H. Croswell	E,S
Appropriations Act June 4, 1897	77	July 20, 1897	Thomas H. Croswell	S

⁷ Contract no. 72 and bond awarded to George A. Ralph, on November 6, 1896 was a contract not only to subdivide townships but to subdivide those portion of the townships that contained pine timber, a contract valued at \$2,350; the special instructions also dated November 6; a sketch of the work to be done; a letter requesting an extension of time accompanied by a deposition from Ralph, dated March 15, 1896, that the weather had caused a delay in his work; and a letter from Martin Chandler to Charles H. Armstrong to correct some of Ralph's work accompanied by Ralph's oath and a sketch of the work. There is also a letter to Ralph with his name erased and other names added and a note from Ralph's sureties that they would extend their guarantee to Armstrong.

Table 3. Folder No. 3 1898

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations Act June 4, 1897	80	May 27, 1898	Bernard Keegan	S
Appropriations, Surveying Chippewa Reservations, Act July 1, 1898	83	Aug. 18, 1898	Charles L. Chase & Nulan Chase	E, S
No Information	121 ⁸	Aug. 28, 1906	Albert T. Armstrong	
Appropriations, Surveying Chippewa Reservations, Act July 1, 1898	84	Aug. 29, 1898	Geo. A. Ralph	S
Appropriations for FY ending June 30, 1898	85	Aug. 29, 1898	Geo. A. Ralph	S
Appropriation, Surveying Chippewa Reservations, Act July 1, 1898	87	Sept. 8, 1898	Bernard Keegan	S
Appropriations, Surveying Chippewa Reservations, Act July 1, 1898	89	Nov. 23, 1898	Bernard Keegan	E, S

Table 4. Folder No. 4 1898-1901

Source of Funds	Contract No./Sp	Signed	Deputy	Work
Appropriation, Surveying Chippewa Reservations, July 1, 1898	91	April 4, 1899	Bernard Keegan	S
Appropriation, Surveying Chippewa Reservations, July 1, 1898	92	April 20, 1899	Thomas H. Crowell	S, M
Appropriation, Surveying Chippewa Reservations, July 1, 1898	95	Oct. 13, 1899	Thomas H. Crowell	E, S, M
Appropriations for FY ending June 30, 1901	101	Sept. 27, 1900	John E. Mulligan	E, S
Appropriations for FY ending June 30, 1901	103	Feb. 16, 1901	Chas. H. Armstrong	E, S
Appropriations for FY ending June 30, 1901	104	May 19, 1901	John E. Mulligan	S
	Sp.	June 4, 1901	Thomas M. Hughes	I
	Sp.	July 28, 1901	Thomas B. Vickery	I
	Sp.	Oct. 28, 1901	Thomas B. Vickery	I
	Sp.	Nov. 13, 1901	Milton Fowble	I
	Sp.	Dec. 31, 1901	Marcus D. Stoner	I

⁸ Only contains Special Instructions, probably misfiled.

Table 5. Folder No. 5 1902

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriation, Surveying & Allotting Chippewa Reservations	105	Jan. 18, 1902	Marcus D. Stoner & John E. Mulligan	S
Appropriations for FY ending June 30, 1902	106	Feb. 26, 1902	David Ogilvie	S
Appropriations for FY ending June 30, 1902	107	March 1, 1902	Louis A. Ogaard	S
Appropriations Act April 2, 1902	108	April 9, 1902	Charles H. Armstrong	E, S
Appropriations for FY ending June 30, 1903	109	Sept. 28, 1902	Charles T. Armstrong	P, E, S
Appropriations for FY ending June 30, 1903	110	Nov. 10, 1902	Louis A. Ogaard	S

Table 6. Folder No.6 1902 Special Instructions

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
	Sp.	Jan. 3, 1902	F. O. Cooley	I
	Sp.	Jan. 18, 1902	Charles S. Carter	I
	Sp.	Jan. 20, 1902	A. A. Blom	I
	Sp.	Jan. 20, 1902	George A. Burbank	I
	Sp.	Jan. 21, 1902	F. O. Cooley	I
	Sp.	Feb. 18, 1902	George A. Burbank	I
	Sp.	March 17, 1902	David Ogilvie	I
	Sp.	April 24, 1902	M. A. O'Connor	Resurvey
	Sp.	May 15, 1902	F. O. Cooley	I
	Sp.	May 16, 1902	Robert K. Whiteley	I
	Sp.	May 16, 1902	John A. Brown	I
	Sp.	May 22, 1902	R. W. Nichols	I
	Sp.	May 22, 1902	R. W. Nichols	I
	Sp.	July 8, 1902	Charles S. Carter	I
	Sp.	July 10, 1902	George Watts	I
	Sp.	July 10, 1902	K. W. Nichols	I
	Sp.	Oct. 23, 1902	W. C. Smiley	I
	Sp.	Feb. 3, 1903	Robert K. Whiteley ⁹	I

⁹ "Special Instructions" issued to Myron Shepard Dec. 1, 1902, cancelled and subsequently issued to Robert K. Whiteley

Table 7. Folder No. 7 1903

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations for FY ending June 30, 1903	111	May 19, 1903	Charles H. Armstrong	E, S, M
Appropriations for FY ending June 30, 1903	112 ¹⁰	May 25, 1903	Norris Y. Taylor & Charles A. Forbes	S, M
Appropriations for FY ending June 30, 1904	113	Sept. 30, 1903	John S. Potter	E, S, M
Appropriations for FY ending June 30, 1904	114	Oct. 15, 1903	Louis A. Ogaard	S, M

Table 8. Folder No. 8 1904

Source of Funds	Contract No./Sp	Signed	Deputy	Work
	Sp.	July 1, 1904	Martin Watson	I
	Sp.	July 11, 1904	John A. Brown	I
	Sp.	Oct.19, 1904	F. O. Cooley	I
Appropriations to complete surveys of Chippewa Reservations, Act July, 1, 1898	115	May 27, 1904	Charles H. Armstrong	S, M
Appropriations FY ending June 30, 1904, Act March 3, 1903	116	May 31, 1904	Marcus D. Stoner & John E Mulligan	S, M
Appropriations FY ending June 30, 1904, Act March 3, 1903	117		William M. Everts	E, S, M
No information	118	April 20, 1905	John M. English	S

¹⁰ Contract awarded May 25, 1903 to Norris Y. Taylor and Charles A Forbes for township exteriors and subdivisions approved June 22, 1903 valued at \$1,200. The time for finishing the contract was extended. In the folder are the oaths of both Taylor and Forbes, letters describing the qualifications of both, letters from individuals inquiring when the townships described in the contract would be available for sale, special instructions dated May 25, 1903, and an affidavit from Forbes in which he transferred all his interest in the contract to Taylor. On October 20, 1905 Taylor wrote saying that he could not complete the survey and asked for an extension until July 1, 1906. The reverse of the letter contains the following note "Extension of time on contract can not (sic) be granted as time on contract has expired but extension of time to make correction of error in survey is granted, see letter E November 10 1905 to Surveyor General." The folder also contains a copy of a Circular from the Commissioner of the General Land Office dated March 5, 1880 prescribing the method in which individuals were to make deposits when applying for lands to be surveyed.

Table 9. Folder No. 9 1905

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations for FY ending June 30, 1905	119	May 4, 1905	John H. Mullen	S, M
Appropriations for FY ending June 30, 1905	120	June 15, 1905	Charles H. Armstrong	S, M
	Sp.	Feb. 1, 1905	L. A. Ogaard	I
	Sp.	March 14, 1905	John Oss	I
	Sp.	May 9, 1905	Raymond Nichols	I
	Sp.	Sept. 27, 1905	J. J. Francisco	I
	Sp.	Nov. 10, 1905	R. W Nichols	I

Table 10. Folder No. 10 1906-1907

Source of Funds	Contract No./Sp.	Signed	Deputy	Work
Appropriations for FY ending June 30, 1907	121	Aug. 28, 1906	Albert T. Armstrong	S
Appropriations for FY ending June 30, 1907	122	Sept. 1, 1906	Louis A. Ogaard	S
Appropriations for FY ending June 30, 1907	123	Feb. 14, 1907	John E. Mulligan & William Evers	S
Appropriations for FY ending June 30, 1907	124	March 19, 1907	Albert T. Armstrong	S
	Sp.	Oct. 31, 1907	R. K. Whiteley	I
	Sp.	Feb. 24, 1906	John A. Brown	I
	Sp.	July 20, 1906	John H. Mullen	I

The second collection containing contracts is,

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Letters received and sent.
- Location: 111.E.9.7B Box 8.

Letters concerning the surveys of Indian Reservations, 1886-1900. One folder contains a variety of documents including survey notes, proposals to carry out surveying in the Red Lake Reservation, contract data, maps of the boundary line of the Reservation, and a set of letters, dated 1886-1887, in which S. H. Relph complains to the Commissioner of the General Land Office about the Surveyor General awarding a contract to R. K. Whiteley to survey on the White Earth Reservation. In the folder is a statement of the contracts to survey in the Red Lake Reservation awarded under \$50,000 assigned for that purpose in a letter from the Commissioner dated Aug. 27, 1890. There are no actual contracts in the collection itself. (Table 11)

Table 11. Contracts awarded under Commissioner’s letter August 27, 1890

Contract No.	Date	Deputy
14	Sept. 15, 1890	Geo. A. Bunbank
16	Sept. 17, 1890	Hawley & Gordon
17	Sept. 27, 1890	O. H. Case
18	Sept. 27, 1890	V. M. Smith
19	Sept. 30, 1890	Thos. H. Croswell
20	Sept. 27, 1890	Butler & Bunbank
25	Feb. 11, 1891	Smith & Croswell
26	April 30, 1891	Geo. A. Ralph
27	Aug. 21, 1891	A.M. Darling

3.2 Providing a Context for the Documents that Accompany the Contracts and Special Instructions

To appreciate the documents accompanying the contracts and special instructions some understanding of the process through which the surveyors general awarded contracts during the period from 1881 to 1907 is necessary. Figure 7 shows these main steps. To explain these steps, and to show what documents necessarily accompanied the contracts, I have used the instructions issued by the Commissioner of the General Land Office relevant to period 1881-1907 when the contracts and “special instructions” in the MHS collections were issued.

1. *Instructions of the Commissioner of the General Land office to the Surveyors General of the United States Relative to the Survey of the Public Lands and Private land Claims.* (Washington D. C., Government Printing Office, 1881)
2. *Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims.* (Washington D.C. Government Printing Office, 1890)
3. *Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims.* (Washington D.C. Government Printing Office, 1894)
4. *Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims.* (Washington D.C., Government Printing Office, 1902)

On May 3, 1881, under the authority contained in the act of Congress approved May 30, 1862, J. A. Williamson, Commissioner of the General Land Office, issued a set of Instructions in which he reprinted the relevant federal law concerning the public land surveys. The Commissioner gave the following admonition; “Each surveyor-general should exercise great care in the appointment of deputy surveyors, and should thoroughly satisfy himself before making such appointments, that the applicants possess the proper theoretical and practical qualifications, as well as to their moral standing and fitness for the important trusts to be confided to them.” (United States. Instructions 1881 14.)

Most relevant to the documents that are the focus of this report, are the following sections;

Every surveyor-general shall engage a sufficient number of skillful surveyors as his deputies, to whom he is authorized to administer the necessary oaths upon their appointments. He shall have authority to frame regulations for their direction, not inconsistent with law or the instructions of the General Land Office, and to remove them for negligence or misconduct. (United States, Congress. *Revised Statutes* section 2220, 2221 in United States. *Instructions*, 1881 10)

The printed manual of instructions relating to the public land surveys, prepared at the GLO, and bearing date February twenty-second, eighteen hundred and fifty-five, the instructions of the Commissioner of the General Land Office, and the special instructions of the surveyor-general, when not in conflict with the printed manual of the instructions of the Commissioner, shall be taken and deemed as part of every contract for surveying. (United States, Congress. *Revised Statutes* section 2399 in United States. *Instructions*, 1881 12)

Contracts for the survey of the public lands shall not become binding upon the United States until approved by the Commissioner of the GLO, except in such cases as the Commissioner may otherwise specially order. (United States, Congress. *Revised Statutes* section 2398 in United States. *Instructions*, 1881 12)

Every deputy surveyor shall enter into a bond, with sufficient security, for the faithful performance of all surveying contracts confined to him; and the penalty of the bond in each case, shall be double the estimated amount of money accruing under such contract, at the rate per mile stipulated to be paid therein. The sufficiency of the sureties to all such bonds shall be approved and certified by the proper surveyor general. (United States, Congress. *Revised Statutes* section 2230 in United States. *Instructions*, 1881 10)

He (the Surveyor General) shall cause to be surveyed, measured, and marked without delay, all base and meridian lines through such points and perpetuated by such monuments, and such correction parallels and meridians as may be prescribed by law or instructions from the General Land Office in respect to the public lands within his surveying district, to which Indian title has been or may be hereafter extinguished. (United States, Congress. *Revised Statutes* section 2223 in United States. *Instructions*, 1881 10)

When the settlers in any township, not mineral or reserved by government, desire a survey made of the same, under the authority of the surveyor-general, and file an application therefore in writing and deposit in a proper United States depository to the credit of the united States, a sum sufficient to pay for such survey, together with all expenses incident thereto ... it may be lawful for the surveyor-general, under such instructions as may be given him by the Commissioner of the General Land Office, and in accordance with law, to survey such township and make return thereof to the general and proper local land office, provided the township so proposed to be

surveyed is within the range of the regular progress of the public land surveys embraced by existing standard lines or bases for the township and subdivisional surveys. (United States, Congress. *Revised Statutes* section 2401 in United States. Instructions, 1881 13)

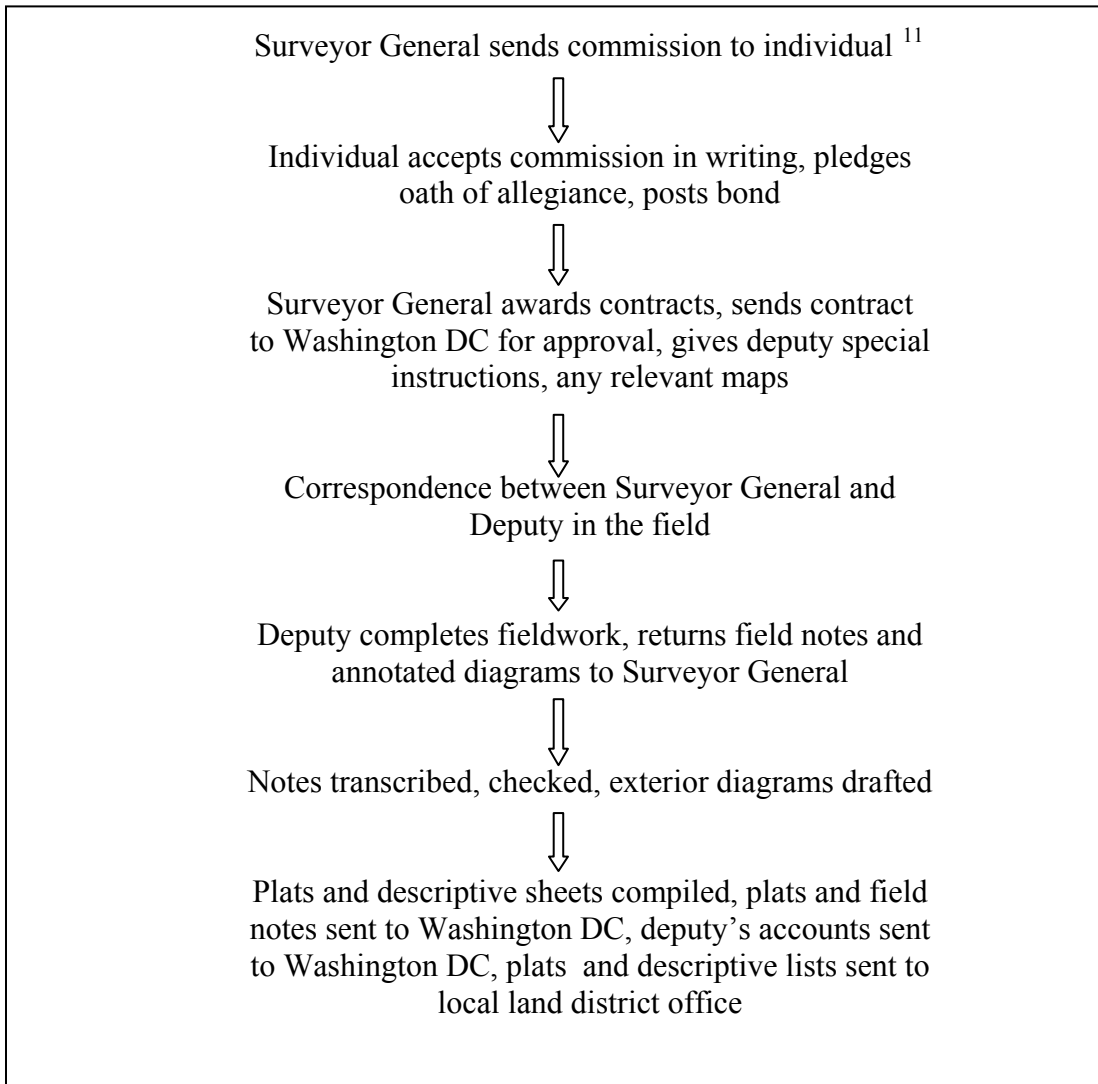


Figure 7. Generalized diagram of office work.

In the Instructions the Commissioner described the process of awarding a contract as follows;

1. The surveyor-general sends a commission to an individual. (Fig. 8)

¹¹ The practice of issuing commissions was discontinued in 1886

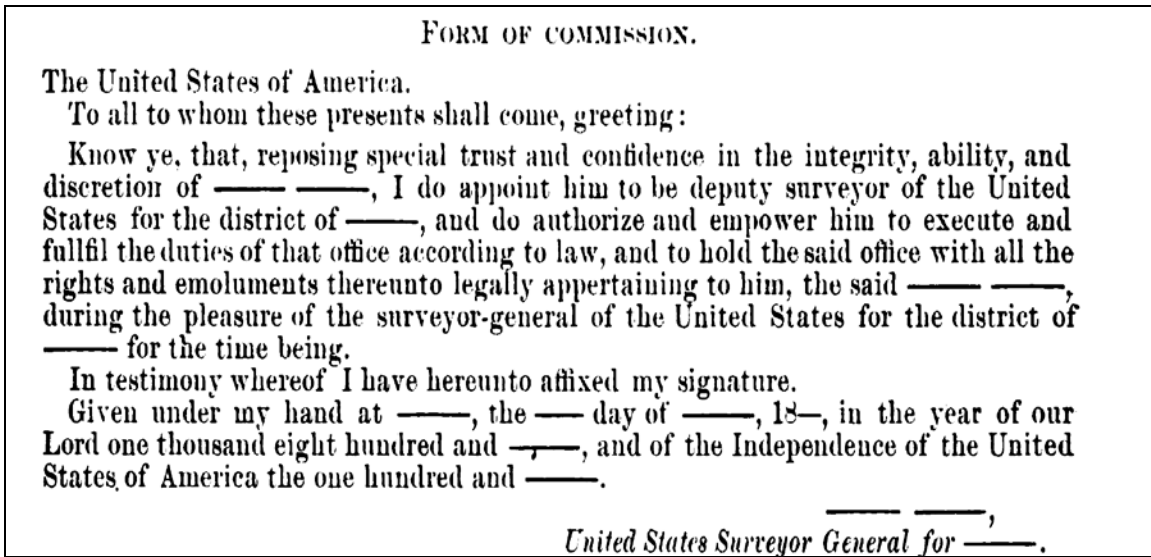


Figure 8. The Commission (United States. *Instructions* 1881 14).

2. The individual acknowledges and accepts the commission in a letter to the surveyor general accompanying his oath of allegiance to the United States, appropriately notarized. (Fig. 9) The surveyor general was to keep a record of all the commissions, letters of acceptance, and oaths.

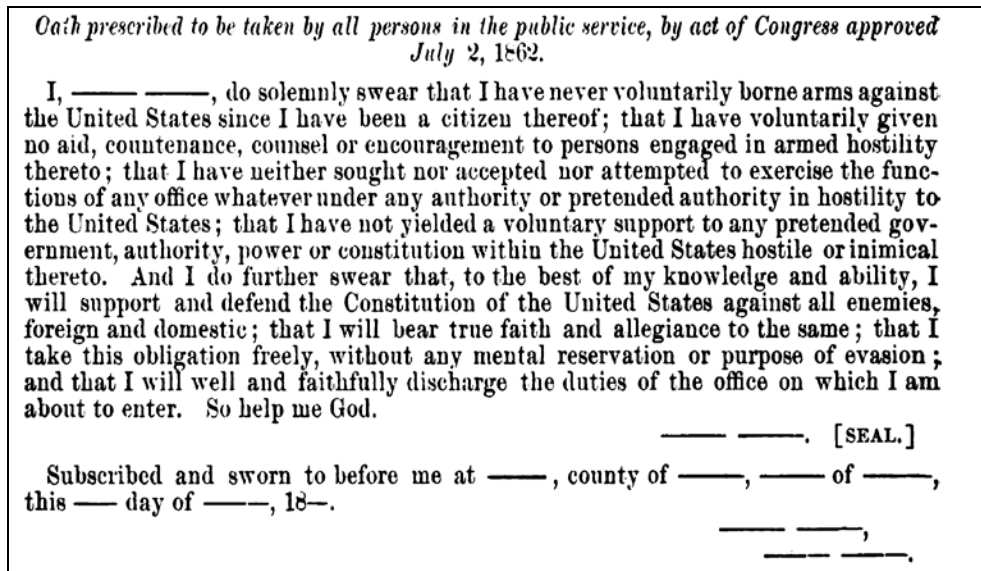


Figure 9. The Oath (United States. *Instructions*, 1881 14).

3. The deputy then executes two copies of a bond, along with affidavits of his guarantors (sureties) and sends them to the surveyor general, (Fig. 10) who first certifies them, (Fig. 11) files one, and sends the other to the Commissioner of the General Land Office. In reality the contract was awarded, and the bond made, at the same time as shown in Figure 7

FORM OF BOND.

Know all men by these presents that we _____, of _____, as principal, and _____, of _____, _____ of _____, _____ of _____, and _____, of _____, as sureties, are held and firmly bound unto the United States of America, in the sum of _____ thousand dollars, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, and each and every one of us and them, jointly and severally, firmly by these presents.

Singed with our hand and sealed with our seals this _____ day of _____, 18—.

The condition of the above obligation is such that if the above bounden _____, during the time for which his appointment as deputy surveyor, under _____, surveyor general of the United States for _____, may continue, shall well, truly, and faithfully, according to the laws of the United States, the printed manual of surveying instructions and other surveying instructions issued, or which may hereafter be issued, by the Commissioner of the General Land Office, and with such special instructions as he may receive from the surveyor general in conformity therewith, make and execute the surveys which are required of him to be made by each and every contract which has been or shall be entered into by him as such deputy surveyor, and return the true field-notes of the said surveys to the surveyor general in the manner and within the period named in the said contracts respectively, then this obligation to be void, or otherwise it shall remain in full force and virtue.

Signed, sealed, and acknowledged before us:

_____	_____.	[SEAL.]
Residence, _____,	_____.	[SEAL.]
_____	_____.	[SEAL.]
Rrsidence _____,	_____.	[SEAL.]
	_____.	[SEAL.]

Affidavits of sureties.

_____ of _____,
County of _____, ss:

I, _____, one of the sureties on the official bond of _____, United States deputy surveyor for the district of _____, dated the _____ day of _____, 18—, do depose and say that I am worth, in unencumbered property, not exempt from execution under the laws of _____, the sum of _____ thousand dollars and upwards, after payment of my just debts and liabilities.

P. O. address: _____.

Subscribed and sworn to before me this _____ day of _____, 18—. _____.

_____ of _____,
County of _____, ss:

I, _____, one of the sureties on the official bond of _____, United States deputy surveyor for the district of _____, dated the _____ day of _____, 18—, do depose and say that I am worth, in unencumbered property, not exempt from execution under the laws of _____, the sum of _____ thousand dollars and upwards, after payment of my just debts and liabilities.

P. O. address: _____.

Subscribed and sworn to before me this _____ day of _____, 18—. _____.

Figure 10. The Bond. (United States. *Instructions*, 1881 14-15).

Certificate.

I, _____, hereby certify that, in my opinion, the sureties to the above bond are sufficient, and I hereby approve the same.

_____,
U. S. Surveyor-General for _____.

1. The bond must be dated the date it is signed by all the parties thereto.
2. The names of all the parties executing the bond and of the witnesses thereto must be written in full.
3. The affidavits of sureties must be made before some officer (preferably an officer of the United States) duly authorized to administer oaths.
4. The sufficiency of sureties must be certified to by the surveyor-general.
5. All erasures, mutilations, and interlineations must be avoided.
6. The amount of bond must be *at least* double the estimated amount that will be due to the deputy surveyor upon the completion of the first contract made under the same; and whenever the estimated amount that will be due the deputy surveyor on any contract or contracts under any bond shall equal one-half the sum named in such bond, subsequent contracts must be made under a new bond, *e. g.*, the bond being for \$30,000, and the deputy surveyor having had three contracts of \$5,000, each, under such bond, if a further contract is given him, he must execute a new bond to cover same and subsequent contracts.

Figure 11. The Surveyor General's certification of the bond. (United States. *Instructions*, 1881 16).

4. Now the deputy could receive a contract. (Fig. 12)

FORM OF CONTRACT.

This agreement, made this ____ day of _____, 18—, by and between _____ surveyor-general of the United States for _____, acting for and in behalf of the United States, of the one part, and _____, deputy surveyor, of the other part, (a bond for the faithful performance of this and other contracts having been executed by the said _____, deputy surveyor, as principal, and _____, _____, as sureties, and dated the ____ day of _____, 18—,) witnesseth:

That the said _____, for and in consideration of the conditions, terms, provisions, and covenants hereinafter expressed, and according to the true intent and meaning thereof, doth hereby covenant and agree with the said _____, in his capacity aforesaid, that he, the said _____, in his own proper person, with the assistance of such compassmen, chainmen, axmen, flag-bearers, and others, as may be necessary, in strict conformity with the laws of the United States, the printed manual of surveying instructions, and other surveying instructions issued by the Commissioner of the General Land Office, and with such special instructions as he may receive from the surveyor-general in conformity therewith (all of said instructions being hereby incorporated with and made a part of this contract), will well, truly, and faithfully survey, mark, and establish _____, or such other lines of survey as he may be authorized to substitute for those named above, in accordance with instructions and subject to the approval of the surveyor-general and the Commissioner of the General Land Office, and that he will complete these surveys in the manner aforesaid, and return the true field-notes thereof to the office of the said surveyor-general, on or before the ____ day of _____, 18—, on penalty of forfeiture and paying to the United States the sum of _____ dollars, lawful money of the United States (being double the estimated amount which would be due by the United States to the said _____ upon the completion of the surveys named in this contract), if default be made in any of the foregoing conditions.

Figure 12. Contract (United States. *Instructions*, 1881 16-17).

And it is further expressly stipulated and made a condition of this contract, that the surveys herein described shall not be commenced before the — day of —, 18—, or before said — shall have been officially notified by the surveyor-general of the approval of this contract by the Commissioner of the General Land Office.

And the said —, in his official capacity aforesaid, covenants and agrees with the said —, that on the completion of the surveys above named, in manner aforesaid, there shall be paid to the said —, by the Treasury Department of the United States, as a full compensation for all work performed under this agreement, at the rate of — dollars for base, standard, meridian, and meander lines, — dollars for township lines, and — dollars for section lines, except where the lines of survey pass over mountainous lands, or lands heavily timbered, or covered with dense undergrowth, and in such case at the rate of — dollars for base, standard, meridian, and meander lines. — dollars for township lines, and — dollars for section lines, per mile, for every mile and part of a mile actually run and marked in the field, *random lines and offsets not included.*

It is further agreed by and between the parties to this agreement that no account shall be paid unless properly certified by —, in his official capacity aforesaid (or by his successor in office in such official capacity), that the surveys are in accordance with the instructions herein referred to and the provisions of this agreement, and until approved plats and certified transcripts of field-notes of the surveys for which the accounts are rendered are filed in the General Land Office.

And it is further understood and agreed by and between the parties to this agreement that the said surveys will not be approved by the said —, in his official capacity aforesaid (or by his successor in office in such official capacity), unless they shall be found to be in exact accordance with the instructions hereinbefore specified: *Provided, also,* That no member of Congress, or subcontractor, shall have any part or interest in this contract, and that no payment shall be made for any surveys not executed by the said deputy surveyor — in his own proper person.

In testimony whereof the parties to these articles of agreement have hereunto set their hands and seals, the day and year and place specified, as follows:

The surveyor-general at —, county of —, — of —, the — day of —, 18—.

The deputy surveyor at —, county of —, — of —, the — day of —, 18—.

—, [SEAL.]
United States Surveyor-General for —.

—, [SEAL.]
United States Deputy Surveyor.

Signed, sealed, and acknowledged before us:
Witnesses to surveyor-general's signature:

—,
Residence, —.

—,
Residence, —.

Witnesses to deputy surveyor's signature:

—,
Residence, —.

—,
Residence, —.

Figure 12. Contract cont. (United States. *Instructions*, 1881 16-17).

1. Where both parties sign the contract on the same day it will be dated that day.
2. Where parties sign the contract on different days it will be dated the day when the last signature is affixed.
3. The names of the surveyor-general, deputy surveyor, sureties, and witnesses must be written in full, and the residence of witnesses written after their signatures.
4. A full description of the surveys embraced in the contract must be written in the blank space left for that purpose.
5. When contract is made under the appropriation for public surveys, the date when surveys are required to be completed and field-notes returned shall not be later than the end of the fiscal year for which appropriation is made; and the date when surveys can be commenced shall not be earlier than the commencement of such fiscal year, except in cases where the appropriation is made immediately available.
6. The rates named in contract must not exceed those fixed by law.
7. The signatures of the surveyor-general and of the deputy surveyor must each be witnessed by two persons.
8. All erasures, mutilations, and interlineations must be avoided.

Figure 13. Directives accompanying the contract (United States. *Instructions*, 1881 16-17).

Note, that in paragraph two of the contract, the deputy was given the authority to substitute other townships for the ones listed if he found that townships or portions of townships could be not be surveyed. In such cases he was to give preference “to those (townships) upon which settlement has been made, or toward which settlement is tending.” (*Instructions*, 1881 16) Subsequently, he would be required to justify all substitutions and “if subsequent investigation should prove that the substitution was unnecessary and should not have been made, payment for the survey of such substituted townships will not be made.” (*Instructions*, 1881 17)

The *Instructions* also described how the deputy should establish meanders and survey islands. (Fig. 14)

MEANDERING.

SEC. 1. Proceeding *down* stream, the bank on the *left* hand is termed the “left bank,” and that on the *right* hand the “right bank.” These terms are to be universally used to distinguish the two banks of a river or stream.

SEC. 2. Both banks of *navigable* rivers are to be meandered by taking the general courses and distances of their sinuosities, and the same are to be entered in the field book.

At those points where either the township or section lines intersect the banks of a navigable stream, corners are to be established at the time of running these lines. These are called “meander corners”; and in meandering you are to commence at one of those corners, coursing the banks, and measuring the distance of each course from your com-

Figure 14. Meanders and island surveys (United States. *Instructions* 1881 33-35).

mening corner to the next "meander corner." By the same method you are to meander the opposite bank of the same river.

The crossing distance *between* the MEANDER CORNERS on same line is to be ascertained by triangulation, in order that the river may be protracted with entire accuracy. The particulars to be given in the field notes.

Rivers not embraced in the class denominated "navigable" under the statute, but which are well-defined natural arteries of internal communication, will only be meandered *on one bank*. For the sake of uniformity, the surveyor will traverse the *right bank* when not impracticable; but where serious obstacles are met with, rendering it difficult to course along the right bank, he may cross to the left bank and continue the meanders as far as necessary; but all changes from one bank to the other will be made at the point of intersection of some line of the public surveys with the stream being meandered.

The subdividing deputies will be required to establish meander corners on both banks of such meanderable streams at the intersection of all section lines, and the distances across the river will be noted in the field book.

In meandering water-courses, where a distance is more than *ten chains* between stations, even chains only should be taken; but if the distance is *less* than ten chains, and it is found convenient to employ chains and links, the number of links should be a multiple of ten, thereby saving time and labor in testing the closings both in the field and in the surveyor-generals' office.

SEC. 3. You are also to meander, in manner aforesaid, all lakes, bayous, and deep ponds, which may serve as public highways of commerce. Shallow lakes or ponds, readily to be drained or likely to dry up, are not to be meandered. Lakes, bayous, and ponds lying entirely within a section are not to be meandered.

In meandering lakes, bayous, or ponds you are to commence at a meander corner, and proceed as above directed for meandering the banks of navigable streams; and from said corner take the courses and distances of the entire margin of the same, noting the intersections with all meander corners established thereon.

You will notice all streams of water falling into the river, lake, or bayou you are surveying, stating the width of the same at their mouth; also all springs, noting the size thereof and depth, and whether the water be pure or mineral; also the head and mouth of all bayous; and all islands, rapids, and bars are to be noticed, with intersections to their upper and lower points to establish their exact situation. You will also note the elevation of the banks of rivers and streams, the heights of falls and cascades, and the length of rapids.

SEC. 4. Meander lines should not be established at the segregation line between dry and swamp or overflowed land, but at the ordinary low-water mark of the actual margin of the rivers or lakes on which such swamp or overflowed lands border. In cases where such meander lines were formerly established at the segregation line between dry and swamp or overflowed lands, new and proper meander lines may be established under the direction of the surveyor general, and the township and section lines extended over such swamp or overflowed lands and the corners established, as hereinbefore provided, in order that the plats and field-notes of surveys may show the actual facts in the case.

5. The precise relative position of islands, in a township made fractional by the river in which the same are situated, is to be determined trigonometrically; sighting to a flag or other fixed object on the island,

Figure 14. Meanders and island surveys cont. (United States. *Instructions* 1881 33-35).

from a special and carefully measured base line, connected with the surveyed lines, on or near the river bank, you are to form connection between the meander corners on the river to points corresponding thereto, in direct line, on the bank of the island, and there establish the proper meander corners, and calculate the distance across.

6. In taking the connection of an island with the main land, when there is no meander corner in line, opposite thereto, to sight from, you will measure a special base from the meander corner nearest to such island, and from such base you will triangulate to some fixed point on the shore of the island, ascertain the distance across, and there establish a *special* meander corner, wherefrom you will commence to meander the island.

7. The field-notes of meanders will be set forth in the field-books showing the dates when the work is performed, as illustrated in the specimen notes annexed. They are to state and describe particularly the meander corner from which they commenced, and each one upon which they close, and are to exhibit the meanders of each fractional section separately; following; and composing a part of such notes, will be given a description of the land, timber, depth of inundation to which the bottom is subject, and the banks, current, and bottom of the stream or body of water you are meandering. The utmost care must be taken to pass no object of topography, or *change therein*, without giving a particular description thereof in its proper place in your meander notes.

Figure 14. Meanders and island surveys cont. (United States. *Instructions* 1881 33-35).

On January 1, 1890, Lewis A Groff, Commissioner of the General Land Office issued new instructions. (*Manual*, 1890) The law, the form of the commission, and form of the bonds were the same as before. (*Manual*, 1890 14-16) A new, shortened, oath was introduced, however. (Fig. 15, 16)

Oath prescribed by act of Congress approved May 13, 1884, to be taken by any person elected or appointed to any office of honor or profit either in the civil, military, or naval service of the United States (except the President of the United States):

I, _____, do solemnly _____ that I will support and defend the Constitution of the United States against all enemies, foreign and domestic; that I will bear true faith and allegiance to the same; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties of the office on which I am about to enter: So help me God.

Sworn to and subscribed before me this _____ day of _____, A. D., 188—.

Figure 15. Oath (United States. *Manual*, 1890 14).

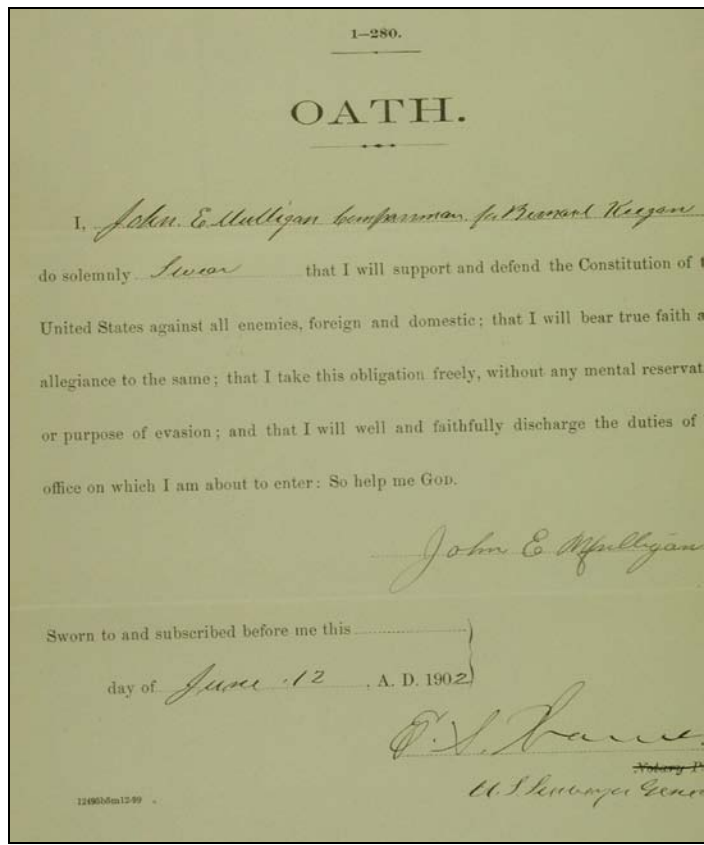


Figure 16. The Oath (Image from the MHS collection).

Minor changes were made to the affidavits of the sureties, seemingly to give more detail of the source of the guarantor's wealth. (*Manual*, 1890 16) (Figure 17)

Affidavits of sureties.

____ OF _____,
County of _____, ss:

I, _____, one of the sureties on the official bond of _____ as _____ do
depose and say that I am worth, in unincumbered property, not exempt from execu-
tion under the laws of the _____ of _____ dollars and upward, after payment of my
just debts and liabilities, as follows:

Real estate, valued at \$ _____, and consisting of * _____.

Personal estate, valued at \$ _____, and consisting of † _____.

Signature: _____

(Post-office address:) _____.

Sworn to and subscribed before me this _____ day of _____, 188____.

[SEAL.] _____

* Here state whether city property, improved or unimproved, or improved farms or unimproved lands,
and where situated.

† Here describe the nature of the property; whether bonds, stocks, merchandise, etc.

Figure 17. Affidavits of the sureties (United States. *Manual*, 1890 16).

There were more substantial changes to what I have called the directives that followed the surveyor general's certification of the bonds. (*Manual*, 1890 16-17) (Figure 18) There appears to have been no major changes to the form of the contract, except that the language in parentheses in the first paragraph dealing with the bonds was removed. (*Manual*, 1890 14-15)

<p><i>Certificate.</i></p> <p>I, _____, hereby certify that in my opinion the sureties to the above bond are sufficient, and I hereby approve the same.</p> <p style="text-align: right;">_____, <i>United States Surveyor-General for _____.</i></p> <ol style="list-style-type: none">1. The names of the surveyor-general, deputy surveyor, sureties, and witnesses must be written in full, and the residence of witnesses written after their signatures.2. A full description of the surveys embraced in the contract must be written in the blank space left for that purpose.3. The date when the surveys can be commenced shall not be earlier than the commencement of the fiscal year for which the appropriation is made, except in cases where the appropriation is made immediately available,4. The rates named in any contract must not exceed those fixed by law.5. The signature of the surveyor-general and of the deputy surveyor must each be witnessed by two persons.6. All erasures, mutilations, and interlineations must be avoided.7. The bond must be dated the date it is signed by all the parties thereto, and its execution must be subsequent to the execution of the contract.8. The names of all the parties executing the bond, and of the witnesses thereto, must be written in full.9. The affidavits of sureties must be made before some officer (preferably an officer of the United States) duly authorized to administer oaths and having a seal.10. The sufficiency of sureties must be certified to by the surveyor-general.11. The amount of the bond must be <i>at least</i> double the estimated amount that will be due to the deputy surveyor upon the completion of the contract made under the same.12. The <i>duplicate</i> and <i>triplicate</i> contracts and bonds will be forwarded to the General Land Office, and when approved the Commissioner will forward the <i>triplicate</i> to the First Comptroller of the Treasury.

Figure 18. Certificate of the bond and Directives (United States. *Manual*, 1890 16-17).

By 1890 the contracts and bonds were contained in the same document. Importantly, however, is the following directive regarding the special instructions the surveyor general was to issue to the deputies to whom he awarded contracts. (Figure 19, 20) Attached to the special instructions in several folders are, in fact, copies of this portion of the 1890 *Manual*.

SPECIAL INSTRUCTIONS ISSUED BY UNITED STATES SURVEYORS-GENERAL TO UNITED STATES DEPUTY SURVEYORS.

One of the most important duties to be performed by the surveyor-general, is to provide the deputy surveyor with *Special Instructions*, in connection with the contract, prepared in accordance with law, which instructions are not to be limited to calling attention to certain paragraphs in this Manual, reiteration of its requirements and in providing the deputy with a printed copy of directions of a *general* nature; but they must, in all cases, and particularly for the survey of exteriors, be *specific* in character, with all necessary *detailed statements* setting forth *what* the deputy is to do and *how* the work is to be performed. Before making out special instructions, the surveyor-general will cause a thorough examination to be made of the field notes and plats of older surveys of standard and township lines upon which the deputy is to base his work, and give him *full* information—both *written* and *graphic*—of the exact condition of adjoining surveys, with all *irregularities* that may be found, carefully and clearly noted, with all necessary instructions for his guidance if he finds everything *as it should be*, and, in addition, advise him, so far as he can, what to do in case the surveys on the ground are *not as represented* in the old notes.

If the contract includes exterior lines, the surveyor-general will specify in detail *where* the deputy is to commence, in what *order* and in what *direction* he is to run the lines, inform him how much *convergency* to use, and provide for his use a *diagram*, giving full and accurate information in regard to lengths and bearings of all lines of old surveys, *from* which he is to work, or *upon* which he is to close. The diagrams will be made in triplicate, one copy for the General Land Office, one for the deputy, and one to be retained. They may be either original drawings, blue prints, or tracings. *In no case must the deputy be sent into the field without full and accurate information in regard to all irregularities which will in any manner affect the extent or accuracy of his survey.*

Figure 19. Special instructions (United States. Manual 1890 41).

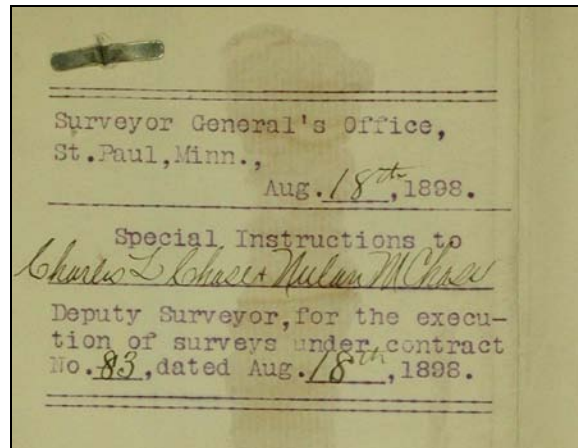


Figure 20. Special instructions (Images from the MHS Collection).

On June 30, 1894, S. W. Lamoreux, Commissioner of the General Land Office, issued a Manual of Instructions. (Manual 1894) The only items that seem to have changed are the Directives for the Special Instruction, the information shown in Figure 18 above, no longer appears. The main change that would concern the contracts and “special instructions” is the following statement. (Fig. 21)

APPENDIX RELATIVE TO ACCOUNTS FOR SURVEYING
AND EXAMINATION.

U. S. surveyors general and deputy surveyors are required to comply strictly with the following instructions:

All surveying accounts transmitted to the General Land Office for adjustment must be in duplicate and in a separate letter from that forwarding the plats and field notes of the survey. The name of the deputy surveyor, date and number of the contract, the amount of the estimated liability, and whether said liability is limited or not, should be noted on the face of the deputy's account.

The amount of the account and the appropriation from which it is to be paid should be stated both in the letter of transmittal and in the account rendered. The deputy's affidavit that the survey was executed by him, and that it was just and correct, should be attached to the account.

The date of the surveyor general's approval should appear in the certificate thereto, and the destination of the draft or drafts, the name of the payee or payees, with the post-office address, should be added.

When the survey is chargeable to "Deposits by individuals for surveying the public lands," it should be so stated, and the deposit to which the field work is chargeable should be listed by number and date of certificate of deposit, with number of township and range for which the deposit is made, and the amount of each certificate.

When the amount of an account is in excess of the liability of the contract, a copy of office letter authorizing the excess must always accompany the account.

When stating an expense account for examination in the field or office on surveys, the number of the contract under which the survey was made, the name of the surveyor, with the number of township and range examined, should be inserted in the account, accompanied by a copy of letter of authorization, said account and vouchers to be furnished in duplicate and to have the affidavit of the examiner as to the correctness of the charges and the approval of the surveyor general attached.

When surveys are continued and executed beyond the time limited in the contract and the contract has expired, and there has been no properly-granted extension of time thereto, the compensation of the deputy surveyor for the lines of survey executed after the expiration of the contract will be reduced, and said lines completed at such rates as the Commissioner of the General Land Office may in his judgment determine to be proper, taking into consideration the value of the work and the limitations of the appropriation from which the account must be paid.

The field notes of a U. S. deputy surveyor, which are the data upon which his surveying account is stated by the surveyor general, and

Figure 21. Appendix (United States. *Manual* 1894 223).

The practice of allowing deputies to retrace any and all lines which they may deem necessary in connection with their work, and compensating them therefor, has been discontinued.

If it becomes necessary to retrace any of the exterior lines in order to properly close their lines of survey it must be done at the deputy's own expense as a legitimate contingent in executing the contract. If it should be found to be absolutely necessary to resurvey and retrace any portion of the exterior township lines, except such as are clearly provided for in the article on pages 72, 73, and 74, the deputy should report the facts immediately to the surveyor general and await further instructions. The facts as reported to him will be promptly laid before the Commissioner of the General Land Office, specifying the number of miles of retracement required, and, if such resurvey is authorized, the deputy will be immediately notified. In no other case will any resurvey be paid for which is not specifically authorized by the Commissioner.

Figure 21. Appendix cont. (United States. *Manual* 1894 224).

The Manual of 1902 seems to contain only minor language differences regarding the documents described above. (United States. *Manual*, 1902)

3.3 Index to Contracts

There are three volumes, each in a separate box, that index the contracts awarded in Minnesota. When these volumes were created and the relationship between them is not known.

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Record of Contracts and Instructions for Surveys, 1857-1865.¹²
- Location: 111.E.10.1B.

A 12 ins. x 6 ins. bound volume labeled Record of Contracts and Instructions for Surveys in Minnesota From July 1857 Showing the Field & Office Work contains a list of contracts awarded between June 22, 1857 and June 15, 1865. The material is arranged firstly, by fiscal year, beginning with the fiscal year ending 30 June 1858, and chronologically within the fiscal year. This would appear to be a workbook rather than an official record book. The record of contracts and special instructions cites the name of the deputy surveyor, date the contract or instructions were issued, tract to be surveyed, date the survey notes were returned to the surveyor general's office, and dates the plats and transcripts were transmitted to the General Land Office in Washington D.C. and the local land office.

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Record of Contracts and Instructions for Surveys, 1874-1907.
- Location: 112.D.2.8F(ov.)

A large leather letterbook labeled Record of Contracts for Surveys of Public Lands in Minnesota showing progress of same and condition of office work pertaining thereto contains a list of

¹² Contained in the same box as the contracts and “special instructions” described above.

contracts awarded July 13, 1874-July 17, 1907. The information for each contract is tabulated in several columns across two pages;

- Name of contractor
 - Date of contract
 - Date of expiration of contract
 - Township & Range line
 - Subdivision T & R
 - When returned to Surveyor General Office (rarely filled in)
 - Original Plat. Date of Completion
 - Commissioner's Plat. Date of Completion
 - Original Transcript. Date of Completion (rarely filled in)
 - Date of Transmission to G.L.O.
 - Date of Approval by Comm. G.L.O. (rarely filled in)
 - Register's Plat. Date of Completion.
 - Register's Des. Sheet.¹³ Date of Completion (rarely filled in)
 - Date of Transmission to Local land Office
 - Record Transcript. Date of Completion (rarely filled in)
 - Record Des. Sheet. Date of Completion (rarely filled in)
 - Surveyors' Accounts
 - Date of Transmission to G.L.O.
 - Amount
 - Estimated Amount of Contract
 - Remarks (rarely filled in)
- Agency: Minnesota. Secretary of State.
 - Series Title: Land survey field notes.¹⁴
 - Location: 113.H.4.4F-2.

A large leather letterbook Record. Surveys of Public Lands in Minnesota containing information from 1847 to 1891. The book is divided into three sections;

- Pages 1-16 Record of Town Lines lists, chronologically, the deputies who were awarded contracts to establish township exteriors from May 22, 1847 until May 26, 1880. Information includes; the name of the deputy, the date of contract, and a description of the work. There are also columns for number of miles and price per mile but no information is recorded.
- Pages 34-174. A tabular list of contracts awarded to deputies to subdivide townships arranged geographically by Range and Township. Information includes; the name of the

¹³ Des. Sheet is an abbreviations for descriptive sheet. Finding aid online <http://www.mnhs.org/library/findaids/ussg05.pdf> (accessed December 6, 2011)

¹⁴ Finding aid online <http://www.mnhs.org/library/findaids/secst025.pdf> (accessed December 6, 2011)

deputy, the date of the contract, and a description of the work. There are also columns for number of miles and price per mile but no information is recorded.

- At the back of the volume are three lists labeled “Miscellaneous Surveys” containing a record of Commissions issued to Dep. Surveyors 1891-1896 and the area of surface water bodies in the area governed by the 5th Principal Meridian, dated Sept. 1886, and in the area governed by the 4th Principal Meridian.

4 OTHER PUBLIC LAND SURVEY RECORDS THAT REFERENCE A PARTICULAR CONTRACT

Since the contracts underlie the surveying process, as depicted in Figure 2, all surveying records – whether they actually make reference to the contracts or not – relate to them. There are specific documents stored in the MHS collections, however, that either make reference to a specific contract or are the product of a specific contract.

4.1 Field Notes

Each deputy awarded a contract/“special instructions” was to keep a detail record of what he did and saw in a notebook, notes that would be subsequently transcribed. Thus, each volume of field notes contains details of the work carried out under a particular contract. Deputies subdividing townships were required to use separate books for each township. Deputies establishing township exteriors did not.

Each volume of the field notes contains the names of the deputy surveyor and his assistants, the date of the contract, the date the survey was begun and completed, affidavits attesting to the accuracy of the survey, and the surveyor general’s certification of the accuracy of the copied notes compared to the original, as mandated by the Instructions of 1881.

These documents are stored in two collections at the Minnesota History Center,

- Agency: Minnesota. Secretary of State.
- Series Title: Land survey field notes.¹⁵

Fifty-one boxes contain what are generally considered to be the “original” transcribed copies of the notes kept by the deputies. The field notes for island surveys are stored separately from the notes for township exteriors and township subdivisions.¹⁶ The field notes for Indian reservations are also stored separately.¹⁷

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Land survey field notes.¹⁸

¹⁵ Finding aid online <http://www.mnhs.org/library/findaids/secst025.pdf> (accessed December 6, 2011)

¹⁶ Id. p.6-8

¹⁷ Id. p.8-9

¹⁸ A Finding aid for these records is available online at <http://www.mnhs.org/library/findaids/ussg06.pdf> (accessed December 6, 2011)

Thirty-one boxes contain notes are generally considered to be copies of the transcribed notes. (Squires, 2009)

4.2 Township Plats

The data contained in the field notes were used by draftsmen in the surveyor general’s office to create a township plat. Each plat, a result of one, two, or more contracts, contains a table stating the name of the individuals who carried out the surveys and when, and the date of the contract under which they worked. (Fig. 21)

<i>Area of Public Land 22,602.69 Acres</i>		<i>of Water Surface 466.20 Acres</i>		<i>Total number of Acres 23,068.89.</i>		
<i>Surveys designated</i>	<i>By whom surveyed</i>	<i>Date of Contract</i>	<i>Amount of surveys</i>		<i>When surveyed</i>	<i>Mean declination</i>
			<i>M</i>	<i>Ch^s</i>	<i>Lk^s</i>	
<i>Township lines E.</i>	<i>Geo. F. Hamilton</i>	<i>October 1. 1881</i>				<i>1881</i>
<i>" " S.W. & N</i>	<i>" " "</i>	<i>June 30. "</i>				<i>1882.</i>
<i>Re-measured E. Boundary of Sec. 6.</i>	<i>H. L. Chapin.</i>	<i>May 17. 1897</i>				<i>1897</i>
<i>Subdivisions.</i>	<i>" " "</i>	<i>" " "</i>	<i>60</i>	<i>01</i>	<i>39</i>	<i>Commenced June 18. 1897.</i>
<i>Meanders</i>	<i>" " "</i>	<i>" " "</i>	<i>31</i>	<i>67</i>	<i>22</i>	<i>Completed Aug. 24. "</i>
<i>Connections</i>						

Figure 22. Table showing details of the persons carrying out the fieldwork in T.155 N. R.25 W. 5th Principal Meridian (Image from Minnesota Geospatial Information Office online).

In addition many plats contain notations in which the Surveyor General certified the plat of an island surveyed under “special instructions.” (Figure 22)

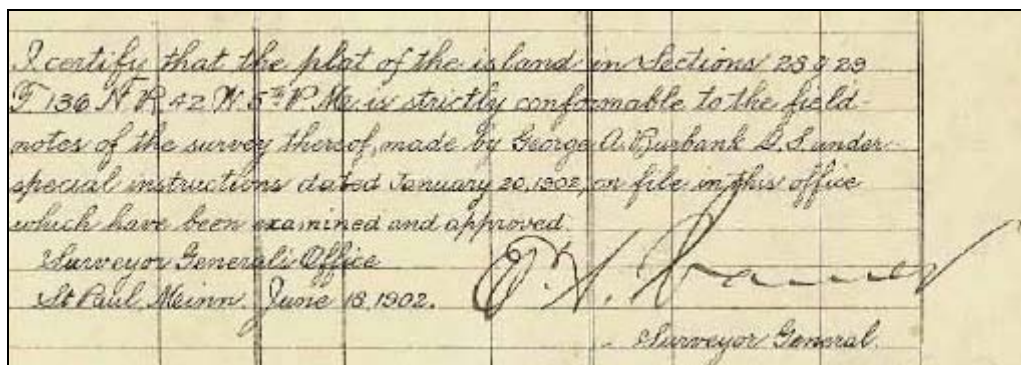


Figure 23. Certification of island plat in T.136 N. R.42 W. 5th Principal Meridian (Image from Minnesota Geospatial Information Office online).

The plats are stored in one collection at the Minnesota History Center;

- Agency: Minnesota. Secretary of State.
- Series Title: Land survey plats.¹⁹

¹⁹ Finding aid online at <http://www.mnhs.org/library/findaids/secst026.pdf> (accessed December 6, 2011) Since the plats have been digitized and are now online at,

4.3 Correspondence Files

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Letters received and sent.²⁰

This collection includes; letters received in the Surveyor General's office in St. Paul (1857-1907) regarding surveys in Michigan and Minnesota, pasted into letterbooks, and copies of letters sent by the Surveyor General of Minnesota relating to the surveys in Michigan (1854-1857) and in Minnesota (1857-1908).²¹ The letters relate to all aspects of surveying in Minnesota and in parts of Michigan.²² Letters to and from the Commissioner of the General Land Office, concerning the surveys in Minnesota, comprise the bulk of the correspondence. Many letters to and from deputy surveyors deal with the contracts they were awarded along with instructions for carrying out the surveys, how they were to be paid, any extension of the contractual deadlines, and any problems with their work.

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Letters received and sent.
- Location: 111.E.9.7B Box 8.²³

Letters not incorporated into the letterbooks described above. Undoubtedly some of these contain information relevant to the contracts and “special instructions” stored in the MHS collections. There are three folders labeled; Letters received 1857-1899, Letters received 1900-1901, and Letters received 1902-1907. This box also contains two collections that relate specifically to contracts and “special instructions;”

- **Oaths and Surety Bonds**, 1861-1907. One folder. Oaths from various deputies awarded contracts, letters of appointments (commissions), and letters from sureties, all relate to specific contracts although they rarely spell out precisely which contracts they concern.

<http://www.mngeo.state.mn.us/glo/> (accessed December 6, 2011) the originals may not be available to the public.

²⁰ Finding aid online at <http://www.mnhs.org/library/findaids/ussg07.pdf> (accessed December 6, 2011)

²¹ The act establishing the office of the Surveyor General of Minnesota directed the individual who would be appointed to close down the office of the Surveyor General of Michigan, transfer the surveying records to the Michigan state authorities, and open an office in St. Paul.

²² There are other letters in the MHS collections that are not posted in these letterbooks. Rather obvious are those that accompany the contracts and the “special instructions” described here. Others include the petitions for surveys see text below.

²³ Index online at <http://www.mnhs.org/library/findaids/ussg07.pdf> at p. 5 (accessed December 6, 2011)

- **Survey Bids.** One folder containing three printed invitations, dated February 5, 1889, May 25, 1906, and July 17, 1906, for proposals to carry out surveys along with several responses from surveyors. When and why the United States started awarding contracts via sealed bids is unknown.

4.4 Accounting Records

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Surveyor's Accounts.²⁴
- Location: 111.E.10.1(B)

Accounts of deputies for surveys carried under contracts and “special instructions” from 1880-1884, and 1896-1906. Arranged chronologically by date the contract or “special instructions” were issued, the documents include the following information;

- name of the deputy surveyor,
- date the contract or “special instructions” was issued,
- description of the area surveyed,
- type of survey,
- rate of pay,
- total cost of survey, and
- date approved by surveyor general

4.5 Miscellaneous Records

- Agency: United States. Office of Surveyor General of Minnesota.
- Series Title: Miscellaneous Records.
- Location: 111.E.9.10F.²⁵

Petitions and letters, some handwritten and some printed, requesting that a particular island or township be surveyed. The documents include the field notes of George A. Ralph who was working under a contract dated April 4, 1894.

²⁴ Finding aid online at <http://www.mnhs.org/library/findaids/ussg03.pdf> (accessed December 6, 2011) Surveyors' Accounts p. 4

²⁵ Finding aid online at <http://www.mnhs.org/library/findaids/ussg08.pdf>. (accessed December 6, 2011) Petitions for Surveys p. 4

5 WHAT NEXT? CONCLUSIONS AND RECOMMENDATIONS

Even though the MHS collections contain few contracts and “special instructions” under which the deputies carried out the public land surveys in Minnesota, because of the way they have been stored, they comprise a rich source of initial information about the public land surveying process in Minnesota during the last two decades of the nineteenth century in the northern portion of the state and in the Red Lake and White Earth reservations and the process of surveying islands. Because of the few contracts in the MHS collections, there is not a great deal more to be done with inventorying and describing them. Described here are the documents most intimately related to each contract, according to the prevailing instructions from the Commissioner of the General Land Office, which suggests what documents should accompany each contract. A detailed list of the contents of each individual folder would merely illustrate the differences and similarities between the folders and serve no real purpose. The location specified in each contract can be mapped, as I suggested in my previous report, but would merely produce a series of maps. (Squires, 2008 53)

There is, however, a great deal of research that could be carried out in the MHS collection on various other documents that, together with the actual contracts, describe the surveying process in Minnesota. The correspondence and accounting files would probably be the most useful of the documents listed in this report. Perhaps the next step should be to establish paper trails for particular deputies who worked in Minnesota, linking together the various documents from the commission through the contract to the township plat and to the final payment of the individuals concerned. This was a recommendation made in an earlier report. (Squires, 2008 53)

Further research on the actual contracts for the surveys in Minnesota must continue in the Iowa State Historical Society Library in Des Moines, Iowa, and in the National Archives in Washington, D.C. The records of the early surveys in Minnesota stored in the Iowa State Historical Society Library in Des Moines were described in an earlier report. (Squires, 2008 53) That report specifically focused on the special instructions given to deputies contained in the voluminous correspondence files of the Surveyor General of Wisconsin and Iowa. Most, if not all, these instructions relate to specific contracts awarded deputies and so a large proportion of the letters described in that report are also relevant to this report that focuses on surveying contracts and special instructions, albeit for an earlier time period than the one for which there are records in the MHS collections. In the earlier report I noted other documents that would contain additional information giving context to the various letters of instruction. Many of these same documents contain information concerning particular contracts and “special instructions”, the only question is how much of this information relates to the Minnesota surveys since the records are filed chronologically and there is no index. (Fig. 24)

In theory, at least, all contracts awarded by surveyors general were sent to the Commissioner of the General Land Office in Washington D.C, until 1862 for information purposes and thereafter for the Commissioner’s approval. At first glance, the National Archives possesses at least two collections that might contain those documents;

1. Record Group 49. Records of the Bureau of Land Management. Entry 501A Surveying Contracts and Bond Files for the State of Minnesota. (Squires 2008 44)

2. Record Group 217. Records of the Accounting Officers of the Department of the Treasury.

Surveyor General Account Books (5 volumes) 1838-1866
Reports of Examining Deputy 1852
Estimates of Surveys , Recommendations & applications for positions
Estimates of Surveys, Recommendations & applications for positions
Recommendations (2 boxes) 1832-1852
Contracts & Bonds (4 boxes) 1831-1864
Oaths, deputies and assistants (6 boxes) 1833-1863
Instructions to Surveyors, IA/MN boundary 1850-1853

Figure 24. Records in the Iowa State Historical Society Library Relevant to Contracts in Minnesota (Squires 2009 25).

217.3.8 Records of the Division of Public Lands

Textual Records: Letters sent, 1829-94. Letters received, 1815- 70. Records relating to land accounts, 1811-94, with indexes, 1879-94. Registers of accounts, 1839-94. Abstracts of accounts, 1801-1917. Reports of land accounts, 1823-42. Settled accounts of receivers and surveyors, 1811-94. Registers of surety bonds of land office officials, 1805-1913; and of bonds of deputy surveyors, 1822-90. Contracts and bonds of deputy surveyors, 1860-1906. Register of suits filed against delinquent land office officials, 1879-81

Figure 25. Records of the accounting officers of the Department of the Treasury²⁶

From the research reported here and in my previous report, the next step in creating digital images of the public land surveying records should be to compile paper trails, or rather paper networks, for deputies at different points in time – and thus for different parts of Minnesota – itemizing and describing all available surveying records in the MHS collections that would fully reconstruct the surveying process in particular instances. Research in both the Iowa State Historical Society Library and the National Archives that might complete the inventory of the contracts started in this report, although important, assumes a lower priority, in part because the contracts are well documented in the annual reports reproduced in Appendices B and C of this report.

²⁶ Online at <http://www.archives.gov/research/guide-fed-records/groups/217.html#217.3.8> (accessed December 6, 2011)

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United States, Office of Surveyor General of Minnesota. "An Inventory of its Contracts for Surveys." *Finding Aid*. Online <http://www.mnhs.org/library/findaids/ussg04.pdf> (accessed December 6, 2011).

APPENDIX A

Minnesota Historical Society. U.S. Surveyor General of Minnesota. An Inventory of Its Contracts for Surveys available online <http://www.mnhs.org/library/findaids/ussg04.pdf> (accessed December 6, 2011)



MINNESOTA HISTORICAL SOCIETY
Minnesota State Archives

U.S. SURVEYOR GENERAL OF MINNESOTA An Inventory of Its Contracts for Surveys

OVERVIEW OF THE RECORDS

- Agency:** United States. Office of Surveyor General of Minnesota.
- Series Title:** Contracts for surveys,
- Dates:** 1857-1907.
- Abstract:** Contracts between the surveyor general and deputy surveyors for the survey of specified tracts of public land in Minnesota.
- Quantity:** 1.4 cu. ft. (10 folders and 2 v. in 1 box and 1 partial box).
- Location:** See Contents List for box locations.

ADMINISTRATIVE HISTORY OF THE SURVEYOR GENERAL OF MINNESOTA

The Office of Surveyor General of Minnesota, established by Act of Congress of March 3, 1857, was responsible for conducting the original government survey of the public domain in the territory and state of Minnesota.

The earliest surveys of land in Minnesota were conducted under the jurisdiction of the Surveyor General of Iowa and Wisconsin, headquartered at Dubuque, Iowa. These surveys, completed between 1848 and May, 1857, were primarily on land located between the St. Croix and Mississippi rivers or in the southeastern corner of Minnesota. After the establishment of the Office of Surveyor General of Minnesota, copies of the field notes, plats, and other records relevant to these surveys were transferred from Dubuque to St. Paul.

The Office of Surveyor General of Minnesota continued in operation until December, 1907, when the survey of Minnesota was essentially complete. After 1907 the commissioner of the U.S. General Land Office served, *ex officio*, as Surveyor General of Minnesota, and handled any requisite surveying activities and questions. A congressional act of 1940 provided that the records of the Office of Surveyor General of Minnesota be turned over to the Minnesota secretary of state.

(An expanded administrative history is available in the Minnesota Historical Society.)

SCOPE AND CONTENTS OF THE RECORDS

Contracts between the surveyor general and deputy surveyors for the survey of specified tracts of public land in Minnesota (1881-1907, 10 folders), and a record of contracts awarded and special instructions issued (1857-1907, 2 volumes). They include contracts awarded at bid and "special instructions" from the General Land Office (GLO) and surveyor general to deputy surveyors for the survey of islands or other designated parcels.

Information contained in the contracts includes name of the contracting surveyor; date the contract was issued; date the survey was to be completed; description of the survey work to be done, citing range and township and the type of lines to be run; rate of pay; and estimated cost of the survey. Beginning in 1896, the contract and surveyor's bond were combined on a single printed sheet. The bond lists the person or company acting as surety for the deputy surveyor.

Some contracts are accompanied by additional documents relating to the execution of the survey, which may include petitions from settlers to the surveyor general requesting that a particular tract be surveyed, correspondence between deputy surveyors and the surveyor general, supplemental instructions, oath of the deputy surveyor, and diagrams of the area to be surveyed.

The two-volume record of contracts and special instructions cites the name of the deputy surveyor, date the contract or instructions were issued, tract to be surveyed, date the survey notes were returned to the surveyor general's office, and dates the plats and transcripts were transmitted to the GLO and the local land office.

ARRANGEMENT OF THE RECORDS

Each subseries is chronological by the date the contract or special instructions were issued.

RELATED MATERIALS

The type of supplementary material that accompanies some of the contracts also exists for most of the other contracts but is disbursed in several other separately cataloged series: Accounting Records, Letters Received and Sent, and Miscellaneous Records: Petitions for Surveys.

INDEX TERMS

This collection is indexed under the following headings in the catalog of the Minnesota Historical Society. Researchers desiring materials about related topics, persons or places should search the catalog using these headings.

Topics:

Islands--Minnesota--Surveying.
Public lands--Minnesota--Surveying.
Surveying--Minnesota.
Surveyors.

Organizations:

United States. General Land Office.

Types of Documents:

Contracts.

ADMINISTRATIVE INFORMATION

Preferred Citation:

[Indicate the cited volume and page or item and folder title here]. U.S. Office of Surveyor General of Minnesota. Contracts for Surveys. Minnesota Historical Society. State Archives.

See the Chicago Manual of Style for additional examples.

Accession Information:

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Processing Information:

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CONTENTS LIST

Note to Researchers: To request materials, please note the location numbers shown below.

Location	Box	
111.E.10.1B	---	Contracts for Surveys, 1881-1907. 10 folders.
111.E.10.1B	---	Record of Contracts and Instructions for Surveys, 1857-1865. 1 volume.
112.D.2.8F(ov)	---	Record of Contracts and Instructions for Surveys, 1874-1907. 1 volume.

APPENDIX B

Checklist of Contracts Awarded in Minnesota, 1881-1904, extracted from the annual reports of the Surveyor General of Minnesota, 1881-1904, shown in Appendix C

At the close of each fiscal year, June 30, the Surveyor General sent an annual report to the Commissioner of the General Land Office. These reports provide an invaluable source of information about the public land surveys.(Squires, 2010) Those from the period 1882 until 1904 are reproduced in Appendix C.

The reports contain tables that list contracts awarded to deputies during the fiscal year and can be used as a check to suggest contracts that are missing in the MHS collections. The tables shown here are abstracted from the tables in the reports.

Abbreviations used in the tables are as follows;

Sp.	Special Instructions
C	Correction Line
P	Standard Parallel
G	Guide Meridian
E	Township Exterior Lines
S	Township Subdivision Lines
M	Meanders
I	Island(s)
IP	Independent Meridian

Contracts and the “special instructions” in italics can be found in the MHS collections

Contracts paid out of Appropriations Act March 3, 1881

June 30, 1881	<i>George F. Hamilton</i>	C, E
June 30, 1881	<i>Mahlon Black</i>	C, E
Oct. 1, 1881	<i>George F. Hamilton</i>	G
Feb 3, 1882	<i>George F. Hamilton</i>	S, M
Feb 10, 1882	Josias R. King	E, S, M
June 22, 1882	<i>George R. Stuntz</i>	E, S, M
June 22, 1882	George R. Stuntz	S, M

Surveys paid by special deposits from individuals for Fiscal Year ending June 30, 1882

Aug. 6, 1880	George R. Stuntz	E, S
Aug. 18, 1880	George F. Hamilton	S
Dec. 2, 1880	Samuel Burdock	Strip of land
Jan. 4, 1881	Kindred & Caldwell	E, S
March 28, 1881	George R. Stuntz	E, S
May 15, 1881	George R. Stuntz	S
May 9, 1881	Robert K. Whiteley	I
Aug. 6, 1881	George R. Stuntz	E, S
Aug. 9, 1881	Leroy F. Royal	I
Sept. 2, 1881	Jewett McPherson	E, S
Sep. 24, 1881	Robert K. Whiteley	I
Oct. 20, 1881	George R. Stuntz	S
Nov. 19, 1881	Richard Cronk	E, S
Dec. 24, 1881	Oscar E. Garrison	I
Jan. 3, 1882	William P. Allen	E, S
Jan. 23, 1882	William P. Allen	E, S
Jan. 24, 1882	Jewett McPherson	E, S
Jan. 30, 1882	Richard Cronk	E, S
Feb. 2, 1882	Robert K. Whiteley	I
Feb. 27, 1882	Oscar E. Garrison	I
March 2, 1882	George R. Stuntz	E, S
March 15, 1882	Jewett McPherson	E
March 25, 1882	William P. Allen	S
March 28, 1882	Richard Cronk	E, S
March 30, 1882	Oscar E Garrison	I
March 31, 1882	George R. Stuntz	E, S
April 8, 1882	W. H. Saunders	I
April 22, 1882	George R. Stuntz	E, S
May 10, 1882	Oscar E. Garrison	I
June 9, 1882	H. J. Chevre	I
June 15, 1882	Jewett McPherson	E, S

Contracts paid out of Appropriations Act Aug. 7, 1882

Sept. 25, 1882	Eli W. Griffin	C, E, S
Sept. 28, 1882	George R. Stuntz	S, M
Dec. 28, 1882	Jewett McPherson	E, S
Feb. 21, 1883	George F. Hamilton	C, E, S
April 20 1883	Thomas Ross	E, S

Contracts paid out of Appropriations Act March 3 1883

Aug. 14, 1883	Charles E. Davis	E, S
Oct. 1, 1883	James S. Hughes	C, E, S
Sept. 25, 1883	A. H. Reed	I
Sept. 25, 1883	Ole Eliasson	I
Oct. 3, 1883	<i>George F. Hamilton</i>	E, S, M
Oct. 8, 1883	E. B. McCord	I
March 31, 1884	Charles L. Thompson	I
April 30, 1884	<i>B. F. Chrislieb</i>	I
June 11, 1884	<i>C. B. Garrison</i>	I
June 16, 1884	<i>Day F. Stacy</i>	E, M
June 17, 1884	<i>N. G. Highstrom</i>	I

Surveys paid by special deposits from individuals for Fiscal Year ending June 30, 1884

March 24, 1883	George R. Stuntz	S
April 20, 1883	Thomas Ross	E, S
June 11, 1883	George R. Stuntz	S
Nov. 3, 1883	Oscar L. Hamery	E, S
June 12, 1884	Day F. Stacy	E, S

Contracts paid out of Appropriations Act July 7, 1884

42	Sept 15, 1884	George A. Kline	E
	Nov. 18, 1884	George W. Cooley	I
	Dec. 5, 1884	L. F. Brainerd	I
	Dec. 16, 1884	H. G. Highstrom	I
	Feb. 13, 1885	Ashbel Ingerson	S, M
45	Feb. 25, 1885	Jacob A. Westby	S, M
	April 13, 1885	George F. Hamilton	S, M
	April 17, 1885	George A. Weir	I

Surveys paid by special deposits from individuals for Fiscal Year ending June 30, 1885

June 11, 1884	Day F. Stacy	S
Aug. 28, 1884	Oscar L. Hamery	E,S
April 30, 1885	John W. Young	Red Lake

Contracts paid out of Appropriations Act July 4, 1884 for Indian Reservations

June 22, 1885	Abner M. Darling	Red Lake, White Earth
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1888

1	April 16, 1887	<i>George A. Ralph</i>	E, S
3	July 23, 1887	George A. Ralph	S
Sp.	July 28, 1887	J. B. Salisbury	I
Sp.	Aug. 28, 1885*	A. C. Libby	I
4	Feb. 25, 1888	George A. Ralph	S

Contracts under Commissioner's instructions for surveys on White Earth

2	May 10, 1887	William W. Ward	Boundary, S
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1889

5	Aug. 2, 1889	J. B. Salisbury	P, G, E, S
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1890

Sp.	Aug. 6, 1889	Ernest E. Coley	I
6	Oct. 15, 1889	George F. Hamilton	E, S
7	Nov. 12, 1889	Alvin C. Bailey	G, E, S
Sp.	Nov. 14, 1889	John Abercrombie	I
Sp.	Jan. 6, 1890	J. E. Egan	I
8	March 14, 1890	Jacob A. Westby	E, S
9	March 14, 1890	Jacob A. Westby	S
10	April 9, 1890	E. W. & E. M. Griffin	S
Sp.	April 22, 1890	M. B. Haynes	I
11	June 12, 1890	John B. Hawley & J. A. Westby	E, S

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1891

Sp.	Sept. 15, 1890	Alvin C. Bailey	I
15	Sept. 17, 1890	John B. Hawely and John Goodnow	E, S
21	Oct 18, 1890	Omar H. Case	E, S
22	Oct. 28, 1890	Alvah A. Crampton	E, S
24	Dec. 3, 1890	George R. Stuntz	E, S
27	April 23, 1891	George A. Ralph	S
28	May 28, 1891	A. D. F. Gardner	E, S

Contracts paid out of Appropriations to survey Chippewa Reservations

12	Sept. 8, 1890	Alvin C. Bailey	S
13	Sept. 13, 1890	George A. Ralph	S
14	Sept. 15, 1890	George A. Burbank	Red Lake
16	Sept. 17, 1890	John B. Hawley & John Goodnow	E, S
17	Sept. 27, 1890	Omar H. Case	E, S
18	Sept. 27, 1890	Vernon M Smith	E, S
19	Sept. 30, 1890	Thomas Croswell	E, S
20	Sept. 30, 1890	Nathan Butler & George A. Burbank	G, P, E, S
25	Feb. 18, 1891	Vernon M. Smith & Thomas H. Croswell	E, S
26	April 30, 1891	George A. Ralph	E, S

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1892

1	July 31, 1891	Lyman Arms	P, E, S, M
2	July 31, 1891	Wesley F. Marsh	E, S, M
3	Aug. 6, 1891	Vernon M. Smith	S
4	Aug. 6, 1891	Vernon M. Smith	S
5	Aug. 10, 1892	George A. Ralph	E, S
6	Aug. 19, 1892	Choate A. Bartlett	S
Sp.	Oct. 27, 1892	Alvin H. Wilcox & Walter A. Hayden	E
13	Oct. 29, 1892	Bernard Keegan	S
14	Nov. 24, 1892	Judson A. Stanton	E, S
19	March 30, 1892	Vine D. Simar	S
22	April 6, 1892	George A. Ralph & R. N. Kittelson	E, S
25	May 23, 1892	Thomas H. Croswell & Henry J. G. Croswell	E, S
27	June 24, 1892	Henry J. G. Croswell	E, S

Contracts paid out of Appropriations to survey Chippewa Reservations

7	Aug. 21, 1891	Abner M. Darling	G, E, S
8	Sept. 26, 1891	Platt B. Walker	G, E, S
9	Sept. 28, 1891	Warren H. Knowlton	E, S
10	Sept. 30, 1891	Alvin H. Wilcox & Walter A. Hayden	E, S
11	Oct. 20, 1891	George A. Ralph	P, G
12	Oct. 22, 1891	Vernon M. Smith & Thomas H. Croswell	E, S
15	Jan. 18, 1892	George A. Ralph & R. N. Kittelson	P, E, S
16	Feb. 3, 1892	Abner M. Darling & Chas. H. Ward	E, S
17	Feb. 4, 1892	Thomas H. Croswell & Le Roy V. Smith	E, S
18	Feb. 25, 1892	Vernon M. Smith & Le Roy V. Smith	E, S
20	March 31, 1892	Vine D. Simar	IG, E, S
21	April 6, 1892	George A. Ralph & R. N. Kittelson	G, E, S
23	April 29, 1892	George A. Ralph & William A. Ralph	E, S
24	May 17, 1892	George T. Simpson & Louis Shaw	E, S
26	May 23, 1892	Thomas H. Croswell & Henry J. G. Croswell	C, E, S

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1893

28	Oct. 6, 1892	Bernard Keegan & Howard A. Crampton	S
29	Oct. 11, 1892	George A. Ralph	E, S
30	Nov. 4, 1892	Guy E. Eaton	E, S
31	Dec. 12, 1892	Alvin C. Bailey	E, S
32	Dec. 14, 1892	George A. Ralph	E, S
35	Jan. 26, 1893	Howard A. Crampton	S
36	Feb. 16, 1893	Thomas H. Croswell & Henry J. G. Croswell	E, S
38	Mar. 4, 1893	Guy E. Eaton	E, S

Contracts paid out of Appropriations to survey Chippewa Reservations

33	Dec. 24, 1892	George A. Ralph	Red Lake
34	Dec. 26, 1892	Alvin C. Bailey	E,S, Red Lake
37	Feb.16, 1893	Thomas H. Crowwell & Henry J.G. Crowwell	E,S, Red Lake
39	Nov, 8, 1893	Bernard Keegan	S, M
40	Dec. 5, 1893	Lyman Arms & William E. Seelye	E, S, M
41	Feb. 23, 1895	Howard A. Crampton	S, M
42	Feb. 28, 1895	Guy E. Eaton	E, S, M
43	May 18, 1895	Merritt S. Cooke	*
45	June 7, 1895	George A. Ralph	G, E, S
46	June 11, 1895	Thomas H. Crowwell	S, M

* Strip of land between T58NR17W & T59NR17W

Contracts paid out of Appropriations to survey the Chippewa Reservations in Minnesota

44	June 7, 1894	George A. Ralph	E, S Red Lake
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1895

Sp.	July 31, 1894	R. P. Johnson	I
49	Aug. 23, 1894	Howard A. Crampton	E
51	Dec. 19, 1894	Bernard Keegan	S, M
54	Jan. 17, 1895	Howard A. Crampton	E, S, M
55	April 16, 1895	Louis A. Ogaard	S, M
57	May 29, 1895	George A. Ralph	E, S, M
58	June 4, 1895	Charles A.Nutter	E, S, M

Contracts paid out of Appropriations to survey the Chippewa Reservations in Minnesota

47	Aug. 18, 1894	George A. Ralph	P, G
48	Aug. 23, 1894	Howard A. Crampton	E
50	Aug. 23, 1894	Bernard Keegan	E
Sp.	Oct. 30, 1894	George A. Ralph	Red Lake
52	Dec. 27, 1894	Thomas H. Crowwell & Le Roy V. Smith	S, M
53	Dec. 31, 1894	George A. Ralph	E
	April 20, 1895	Thomas H. Cresswell & Le Roy V. Smith	E
56	May 29, 1895	George A. Ralph	E, S, M

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1896

60	Feb. 20, 1896	Charles A. Nutter	S
61	Feb. 29, 1896	Bernard Keegan	S, M
Sp.	April 8, 1896	Carl E. Taylor	I
Sp.	April 16, 1896	Harlan W. Fisk	I
62	April 29, 1896	Bernard Keegan	S, M
63	May 6, 1896	Charles A. Nutter	S, M
64	April 21, 1896	Louis A. Ogaard	S, M
65	May 27, 1896	Thomas H. Croswell	S, M
66	June 5, 1896	Thomas H. Croswell	S, M
67	June 10, 1896	George A. Ralph	E, S, M

Contracts paid out of Appropriations to survey the Chippewa Reservations in Minnesota

59	July 16, 1895	Samuel S. Chute	S, M
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1897

69	Oct. 15, 1896	Bernard Keegan	S, M
73	Dec. 10, 1896	Thomas H. Croswell	E, S, M
74	May 17, 1897	A. L. Chopin	S, m
75	May 25, 1897	<i>George A. Ralph</i>	E, S, M
76	June 15, 1897	<i>Thomas H. Croswell</i>	E, S, M

Contracts paid out of Appropriations to survey the Chippewa Reservations in Minnesota, Act June 10, 1896

68	July 9, 1896	Thomas H. Croswell	Red Lake
70	Nov. 2, 1896	<i>Bernard Keegan</i>	S, M
71	Nov. 5, 1896	<i>Thomas H. Croswell & Le Roy V. Smith</i>	S, M
72	Nov. 6, 1896	<i>George A. Ralph</i>	S, M

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1898, Act June 4, 1897

77	July 20, 1897	<i>Thomas H. Croswell</i>	E, S, M
78	March 24, 1898	Thomas H. Croswell	S, M
79	May 7, 1898	John E. Mulligan	E, S, M
80	May 27, 1898	<i>Bernard Keegan</i>	S, M
81	June 21, 1898	Louis S. Ogaard	S, M

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1899, Act July 1, 1898

85	Aug. 29 1898	<i>George A. Ralph</i>	S, M
88	Oct. 27, 1898	Thomas F. McGilvray & James Conroy	S, M
89	Nov. 23, 1898	<i>Bernard Keegan</i>	E, S, M
91	April 4, 1899	<i>Bernard Keegan</i>	S, M
93	June 12, 1899	Lewis A. Ogaard	S, M
94	June 16, 1899	John E. Mulligan	S, M

Contracts paid out of Appropriations to complete the surveys in Chippewa Reservations in Minnesota, Act July, 1, 1898

82	Aug. 5, 1898	Thomas H. Croswell & Henry J. G. Croswell	E, S, M
83	Aug. 18, 1898	<i>Chas L. Chase & Nulan M. Chase</i>	E, S, M
84	Aug. 29, 1898	<i>George A. Ralph</i>	S, M
86	Aug. 27, 1898	Edward Hoenck	S, M
87	Sept 8, 1898	<i>Bernard Keegan</i>	S, M
90	Jan. 3, 1899	John E. Mulligan	E, S, M
92	April 10, 1899	<i>Thomas H. Croswell</i>	S, M

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1900, Act March 1, 1899

95	Oct. 13 1899	<i>Thomas H. Croswell</i>	E, S, M
96	Nov. 23, 1899	Louis A. Ogaard	S, M
97	Feb. 6, 1900	John E. Mulligan & John Kirwan	E, S, M
98	March 15, 1900	Louis A. Ogaard	S, M
99	April 25, 1900	John E. Mulligan & John Kirwan	S, M
100	May 22, 1900	Louis A. Ogaard	S, M

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1901, Act June 6, 1900

101	Sept. 27, 1901	<i>John E. Mulligan</i>	E, S, M
Sp.	Oct. 13, 1900	Robert K. Whiteley	I
102	Oct. 15, 1900	Louis A. Ogaard	S, M
103	Feb. 16, 1901	<i>Chas H. Armstrong</i>	E, S, M
Sp.	March 14, 1901	Merritt S. Cook	*
104	May 19, 1901	<i>Thomas H. Croswell & John E. Mulligan</i>	S, M
Sp.	May 23, 1901	Martin Watson	I
Sp.	June 4, 1901	S. S. Sargeant	I
Sp.	June 4, 1901	<i>Thomas M. Hughes</i>	I

* To correct survey of strip, see Contract #43

Contracts paid out of Appropriations to complete the surveys in Chippewa Reservations
in Minnesota, Act July, 1, 1898

Feb. 16, 1901	Charles H. Armstrong	Red Lake
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1902, Act March 3,
1901

Sp.	Dec 31, 1901	<i>Marcus D. Stoner</i>	I
Sp.	Jan. 8, 1902	<i>F. O. Cooley</i>	I
Sp.	Jan. 18, 1902	<i>Charles S. Carter</i>	I
Sp.	Jan. 20, 1902	<i>George A. Burbank</i>	I
Sp.	Jan. 20, 1902	<i>A. A. Bloom</i>	I
Sp.	Jan. 21, 1902	<i>F. O. Cooley</i>	I
Sp.	Feb. 18, 1902	<i>George A. Burbank</i>	I
106	Feb. 26, 1902	David Ogilvie	S, M
107	March 1, 1902	Louis A. Ogaard	S, M
Sp.	March 16, 1902	<i>David Ogilvie</i>	I
108	April 9, 1902	Charles H. Armstrong	E, S, M
Sp.	May 15, 1902	<i>F. O. Cooley</i>	I
Sp.	May 16, 1902	<i>Robert K. Whiteley</i>	I
Sp.	May 16, 1902	J. A. Quigg	I
Sp.	May 22, 1902	<i>R. W. Nichols</i>	I
Sp.	May 23, 1902	<i>R. W. Nichols</i>	I

Contracts surveying and allotting for Chippewas in Minnesota (see Commissioner's letter Nov 5,
1901)

105	Jan. 18, 1902	Marcus D. Stoner & John E. Mulligan	E, S, M
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Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1903, Act June 28, 1902

Sp.	July 10, 1902	<i>George Watts</i>	I
Sp.	July 8	<i>Chas. S. Carter</i>	I
Sp.	July 10, 1902	R. W. Nichols	I
109	Sept. 30	Chas. H. Armstrong	G, E, S
Sp.	Dec. 14	Chas. H. Armstrong	E
Sp.	Dec. 1	Myron Shepard	I
110	Nov. 10	L. A. Ogaard	E, S
Sp.	Feb. 6, 1903	<i>Robert K. Whiteley</i>	I
Sp.	March 5	Marcus D. Stoner	I
Sp.	April 1	F. O. Cooley	I
111	May 10	<i>Chas. H. Armstrong</i>	E, S
112	May 25	<i>Norris Y. Taylor & Chas. A. Forbes</i>	E, S

Contracts paid out of Appropriations to complete surveys Chippewa Reservations in Minnesota, Act July, 1, 1898

Sp.	Aug. 21, 1902	Chas H. Armstrong	To Correct contract #72
Sp.	Sept. 28	Chas H. Armstrong	S
Sp.	Oct. 23	William C. Smiley	I
Sp.	Nov. 10	Louis A. Ogaard	S
Sp.	March 28	John E. Mulligan	To Correct contract #83
Sp.	June 18	John E. Mulligan	To Correct contract #80
Sp.	June 18	John E. Mulligan	To Correct contract #91
Sp.	July 16	Chas H. Armstrong	To Correct contract #75
Sp.	April 23, 1903	John E. Mulligan	To Correct contract #76

Contracts paid out of Appropriations Act for Fiscal Year ending June 30, 1904, Act March 3, 1903

114	Oct. 15 1903	<i>Louis A. Ogaard</i>	S, M
Sp.	Nov. 24	John E. Mulligan & William M. Everts	To Correct contract #89
116	May 31, 1904	<i>Marcus D. Stoner & John E. Mulligan</i>	E, S, M
117	June 18	<i>William M. Everts</i>	E, S, M

Contracts paid out of Appropriations Act to complete surveys Chippewa Reservations in
Minnesota, Act July, 1, 1898

Sp.	Oct. 31, 1903	John E. Mulligan & William M. Everts,	To Correct contract #87
Sp.	March 21, 1904	John E. Mulligan & William M. Everts,	To Correct contract #70
115	May 27	<i>Chas. H. Armstrong</i>	S, M

APPENDIX C

Annual Reports of the Surveyor General of Minnesota, 1881-1904

Sources for Annual Reports

Date	Document	Congress	Serial Set Volume No.
Aug. 29, 1881	H.Exec.Doc. 1	47 th Congress 1 st Session	2017
Aug. 29, 1882	H.Exec.Doc. 1	47 th Congress 2 nd Session	2099
July 28, 1883	H.Exec.Doc. 1	48 th Congress 1 st Session	2190
July 26, 1884	H.Exec.Doc. 1	48 th Congress 2 nd Session	2286
July 23, 1885	H.Exec.Doc. 1	49 th Congress 1 st Session	2378
July 22, 1886	H.Exec.Doc. 1	49 th Congress 2 nd Session	2468
July 26, 1887	H.Exec.Doc. 1	50 th Congress 1 st Session	2541
July 24, 1888	H.Exec.Doc. 1	50 th Congress 2 nd Session	2636
July 27, 1889	H.Exec.Doc. 1	51 st Congress 1 st Session	2724
July 11, 1890	H.Exec.Doc. 1	51 st Congress 2 nd Session	2840
July 31, 1891	H.Exec.Doc. 1	52 nd Congress 1 st Session	2933
July 1, 1892	H.Exec.Doc. 1	52 nd Congress 2 nd Session	3087
July 24, 1893	H.Exec.Doc. 1	53 rd Congress 2 nd Session	3209
July 10, 1894	H.Exec.Doc. 1	53 rd Congress 3 rd Session	3305
July 11, 1895	H.Doc. 5	54 th Congress 1 st Session	3381
July 1, 1896	H.Doc. 5	54 th Congress 2 nd Session	3488
July 7, 1897	H.Doc. 5	55 th Congress 2 nd Session	3640
July 8, 1898	H.Doc. 5	55 th Congress 3 rd Session	3756
July 10, 1899	H.Doc. 5	56 th Congress 1 st Session	3914
July 6, 1900	H.Doc. 5	56 th Congress 2 nd Session	4100
July 6, 1901	H.Doc. 5	57 th Congress 1 st Session	4289
July 8, 1902	H.Doc. 5	57 th Congress 2 nd Session	4457
July 8, 1903	H.Doc. 5	58 th Congress 2 nd Session	4644
July 7, 1904	H.Doc. 5	58 th Congress 3 rd Session	4797

After 1904, the reports are not included in the annual report of the Commissioner of the General Land Office.

OFFICE OF SURVEYOR GENERAL, DISTRICT OF LOUISIANA,
New Orleans, June 30, 1881.

I certify the foregoing to be a correct extract from the record of instrumental comparisons on file in this office.

O. H. BREWSTER,
Surveyor General, Louisiana.

H.—Report of the surveyor general of Minnesota.

UNITED STATES SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

SIR: In compliance with instructions I have the honor to submit my annual report, in duplicate, of surveying operations in this district for the fiscal year ending June 30, 1881.

The surveys embraced in contracts made under the appropriation of June 16, 1880, are reported to be completed to the amount of the \$16,000 assigned to this district. In consequence of the severity of the past winter, and the unusual depth of snow which prevailed, Deputy Surveyor George F. Hamilton was greatly retarded in his work; so much so, that it became necessary to grant an extension of time on his contract. His surveys are reported to be finished, but his field notes have not all been returned to this office. The country surveyed is covered with a thick growth of timber and dense undergrowth, which makes the execution of the surveys exceedingly slow and laborious and very expensive; in some instances the actual cost of the survey being more than the amount paid for the work.

There have been surveyed during the year, since last annual report, 81 miles 56 chains and 15 links of meridian and standard lines; 21 4miles 76 chains and 87 links of township lines; also 125 miles 45 chains 54 links of township lines retraced, and 1,511 miles 72 chains and 118 links of section and meander lines, being the subdivision lines of 20 townships, the field notes of which have been examined and approved, and plats and transcripts of field notes transmitted to the General Land Office. The townships surveyed border upon or include large lakes abounding with islands, making the aggregate amount of meander lines run in the subdivision of said townships very large. The cost of surveying such townships, and the time and labor consumed in the office in the preparation of plats and making transcripts of the field notes, is much greater than that required for ordinary townships.

By authority of the Commissioner of the General Land Office, contained in letter dated May 10, 1881, which assigned to this district the sum of \$400 for examinations in the field, I appointed J. R. King, an experienced and reliable surveyor, as my agent to examine surveys being made by Deputy George F. Hamilton in the vicinity of Rainy Lake. Mr. King made the examinations as directed, and his report shows that the surveys were executed with great care and fidelity, and in strict conformity to laws and instructions.

The several statements and estimates accompanying this report will exhibit the progress and present condition of the field and office work to this date, and are as follows:

A.—Statement of contracts entered into on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1881, from the appropriation of \$300,000, act of June 16, 1880.

B.—Statement of contracts entered into on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882, from the appropriation of \$300,000, act of March 3, 1881.

C.—Statement of contracts entered into payable from special deposits by individuals for the fiscal year ending June 30, 1881.

D.—Statement of special deposits by individuals for survey of public lands in Minnesota, during the fiscal year ending June 30, 1881.

E.—Statement of original commissioner's and register's plats made, and date of transmission to the General and local land offices.

F.—Statement of townships surveyed in Minnesota since last annual report, showing area and number of miles, including meanders in each, also number of miles of township lines and total number of acres surveyed in the State.

G.—Estimates of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1883.

H.—Statement showing amount of salaries paid surveyor general and clerks in his office for the fiscal year ending June 30, 1881.

I.—Statement of the amount paid for incidental expenses of the office for the fiscal year ending June 30, 1881.

K.—Statement showing condition of appropriation for survey of public lands in Minnesota for the fiscal year ending June 30, 1881.

The estimates for the surveying service for the fiscal year ending June 30, 1883, is no larger than is required to meet the growing demand for the timber and agricultural lands existing in the northern portion of the State. The preliminary surveys are being made of two lines of railroad running into or through the unsurveyed part of the State, the construction of which will open up to settlement the agricultural lands, and largely increase the demand for the timber lands. The township lines especially should all be run at the earliest period practicable.

All of which is respectfully submitted.

Very respectfully, your obedient servant,

J. H. STEWART,
Surveyor General.

Hon. N. C. MCFARLAND,
Commsioner General Land Office.

A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1881. Appropriation of \$300,000, act of June 16, 1880.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.	Remarks.
George R. Stuntz	Aug. 7, 1880	Range lines between ranges 12 and 13, in townships 61, 62, and 63, and between ranges 13 and 14, in township No. 63 north. Township lines between townships 61 and 62, in range 13 west, and between townships 62 and 63, and 63 and 64, in ranges 12 and 13 west. Subdivisions of township No. 62 north, in range 13 west, and township 63 north, in ranges 12 and 13 west of the fourth principal meridian.	\$3,500 00	\$2,775 02	Surveys completed and field notes returned to this office; diagram and field notes of township lines and plats, and field notes of township 63, ranges 12 and 62, range 13 transmitted; plat of township 63, range 13, not completed.	
George F. Hamilton	Aug. 12, 1880	Guide meridian between ranges 19 and 20, west from the eighth correction line north to the international boundary; the tenth correction line from the corner to townships 68 and 69, ranges 19 and 20 west, through ranges 20, 21, 22, 23, and 24. Range lines between ranges 20 and 21, 21 and 22, 22 and 23, and 23 and 24, in townships 69, 70, and 71, and between ranges 24 and 25, in townships 69 and 70. Township lines between townships 69 and 70, and 70 and 71, in ranges 20, 21, 22, 23, and 24. Subdivision of townships 69, 70, and 71, in range 20, and townships 70 and 71, in ranges 21, 22, 23, and 24 west of fourth principal meridian. Also that part of township 152 north, range 42 west of fifth principal meridian not included in the Red Lake Indian Reservation.	8,000 00	3,951 94	Surveys of meridian line and tenth correction line through ranges 20, 21, 22, and 23, and exterior lines of townships 69, 70, and 71, ranges 20, 21, 22, and 23, and subdivision of townships 69, 70, and 71, ranges 20 and 21, and townships 70 and 71, range 22 completed, and field notes returned to this office. Diagrams and field notes of meridian line and tenth correction line through ranges 20, 21, and 22, and exteriors of townships 69, 70, and 71, ranges 20, 21, and 22, and plats and field notes of townships 69, 70, and 71, ranges 20 and 71, range 22 transmitted.	Township 69, range 21, substituted for township 70, range 23, by special instructions dated April 5, 1881. Extension of time on contract granted to August 1, 1881. Surveys reported completed; partial returns received.
Do	Aug. 19, 1880	Subdivision of township No. 54 north, range No. 17 west of fourth principal meridian.	900 00	1,084 39	Surveys completed and approved; plats and field notes transmitted.	
Do	May 11, 1881	Third guide meridian from corner to sections 24 and 25, township 152, range 25 to the international boundary.	650 00	.....	No returns	Deputy now in the field.

J. H. STEWART, *Surveyor General.*

SURVEYOR GENERAL'S OFFICE, *Saint Paul, Minn., August 29, 1881.*

B.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882. Appropriation of \$300,000, act of March 3, 1880.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Condition of work.
George F. Hamilton....	June 30, 1881	The tenth correction line from the corner to township 69, ranges 24 and 25 west, fourth meridian, west to the third guide meridian of the fifth principal meridian. Auxiliary meridian line between ranges 23 and 24, from the ninth correction line, north to the tenth correction line. Range lines between ranges 24 and 25, in townships 65, 66, 67, and 68, and between ranges 25 and 26, and 26 and 27 in townships 65, 66, 67, 68, 69, and 70. Township lines between townships 65 and 66, 66 and 67, 67 and 68, in ranges 24, 25, 26, and 27, and between townships 69 and 70, in ranges 25, 26, and 27 west of fourth principal meridian. Also the thirteenth standard parallel between townships 152 and 153, in ranges 25, 26, 27, and 28 west of fifth principal meridian; and the fourteenth standard parallel between townships 156 and 157, from the third guide meridian to the east boundary of the Red Lake Indian Reservation. Also auxiliary meridian line from the thirteenth standard parallel north, between ranges 28 and 29 north, to the east boundary of said reservation. And also all the range and township line embraced in the territory lying north of the thirteenth standard parallel, west of the third guide meridian, and east of the meridian line between ranges 28 and 29, and the eastern boundary of said Red Lake Indian Reservation.	\$6,000 00	No returns; deputy now in the field.
Mahlon Black.....	June 30, 1881	The ninth correction line from the corner to township 65 north, ranges 19 and 20 west of fourth principal meridian, west about 44 miles to the third guide meridian, west of fifth principal meridian. Auxiliary meridian line between ranges 23 and 24, from the eighth correction line north 24 miles to the ninth correction line. Range lines between ranges 23 and 24, in township No. 60, between ranges 24 and 25 in townships 60, 61, 62, 63, and 64, between ranges 25 and 26 and 26 and 27, in townships 61, 62, 63, and 64. Township lines between townships 61 and 62, 62 and 63, and 63 and 64, in ranges 24, 25, 26, and 27 west of fourth meridian, Minnesota.	3,100 00	Do.

SURVEYOR GENERAL'S OFFICE, *Saint Paul, Minn.*, August 29, 1881.

J. H. STEWART, *Surveyor General.*

PUBLIC LANDS.

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C.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands and payable from special deposits by individuals for the fiscal year ending June 30, 1881.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.	Amount paid deputy.	Amount to be refunded.	Condition of work.
George R. Stuntz	Aug. 6, 1880	Range lines between ranges 13 and 14 in townships 61 and 62. Township lines between townships 61 and 62 and 62 and 63 in range 14, and subdivision of township 62, range 14 west, fourth principal meridian.	\$1,360 00	\$1,363 26	\$1,360 00	.....	Survey completed and approved; plats and field notes transmitted.
George F. Hamilton . . .	Aug. 18, 1880	Subdivision of township 55, range 16 west of fourth principal meridian.	900 00	947 54	900 00	.....	Surveys completed and approved; plats and field notes transmitted.
		Subdivision of township 55, range 17 west of fourth principal meridian.	850 00	875 56	850 00	.....	Surveys completed and approved; plats and field notes transmitted.
Kindred & Caldwell . . .	Jan. 4, 1881	Subdivision of township 54, range 16 west of fourth principal meridian.	1,075 00	1,056 89	1,056 89	\$18 11	Surveys completed and approved; plats and field notes transmitted; account for township 57, range 12 not adjusted.
		Exterior lines and subdivision of township 57, range 11 west of fourth principal meridian.	1,050 00	931 37	931 37	118 63	Surveys completed and approved; plats and field notes transmitted.
		Exterior lines and subdivision of township 57, range 12 west of fourth principal meridian.	1,050 00	927 81	.....	.....	No returns from deputy.
Samuel Bundock	Dec. 2, 1880	A strip of land on west side of Minnesota River in township 121, range 46.	20 00	.....	.....	.....	Surveys completed; plats and field notes transmitted.
George R. Stuntz	Mar. 28, 1881	Exterior lines and subdivisions of township 57, range 13 west of fourth principal meridian.	869 86	869 86	.....	.....	No returns from deputy.
		Exterior lines and subdivisions of township 58, range 13 west of fourth principal meridian.	800 00	798 11	.....	.....	Survey completed; plats and field notes transmitted.
George R. Stuntz	May 13, 1881	Subdivision of township 58, range 12 west of fourth principal meridian.	1,080 00	.....	.....	.....	No returns from deputy.
		Subdivision of township 59, range 12 west of fourth principal meridian.	1,100 00	.....	.....	.....	Survey completed; plats and field notes transmitted.
Robert K. Whiteley . .	May 9, 1881	Island in Mississippi River in township 45, range 31 west, fourth principal meridian.	20 00	20 00	.....	.....	Survey completed; plats and field notes transmitted.

J. H. STEWART, Surveyor General.

SURVEYOR GENERAL'S OFFICE, Saint Paul, Minn., August 29, 1881.

D.—Statement of special deposits by individuals for survey of public lands in Minnesota during the fiscal year ending June 30, 1881.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work.	Office work.	
James Drohan	1880. Aug. 9	4292	\$200 00		Township 62, range 14, 4th prin. mer.
Do.	Aug. 9	4293	200 00		Do.
Do.	Aug. 9	4294	200 00		Do.
John Drohan	Aug. 9	4295	200 00		Do.
Do.	Aug. 9	4296	200 00		Do.
Do.	Aug. 9	4297	200 00		Do.
Do.	Aug. 9	4298		\$100 00	Do.
James Drohan	Nov. 1	4563	160 00		Do.
Do.	Nov. 1	4564		25 00	Do.
Archibald McMillan	Aug. 25	4339	200 00		Township 55, range 16, 4th prin. mer.
Do.	Aug. 25	4340	200 00		Do.
Jabez King	Aug. 25	4341	200 00		Do.
Do.	Aug. 25	4342		75 00	Do.
Emmert Euslin	Aug. 25	4343	200 00		Do.
Do.	Aug. 25	4344	100 00		Do.
Henry Lehnars	Aug. 25	4345	200 00		Township 55, range 17, 4th prin. mer.
Do.	Aug. 25	4346	200 00		Do.
Do.	Aug. 25	4347		75 00	Do.
Adelbert Yerger	Aug. 25	4348	200 00		Do.
Do.	Aug. 25	4349	200 00		Do.
Do.	Aug. 25	4350	50 00		Do.
R. Norrish	Aug. 25	4621	20 00		A strip of land in township 121, range 46, 5th principal meridian.
Do.	Aug. 25	4622		10 00	Do.
Charles Saxton	Dec. 30	4737	200 00		Township 54, range 16, 4th prin. mer.
Do.	Dec. 30	4738	200 00		Do.
Do.	Dec. 30	4739	100 00		Do.
Do.	Dec. 30	4740	100 00		Do.
Joseph Saundric	Dec. 30	4741	200 00		Do.
Do.	Dec. 30	4742	200 00		Do.
Do.	Dec. 30	4743	75 00		Do.
Do.	Dec. 30	4744		125 00	Do.
E. S. Whitmore	Jan. 4	4762	200 00		Township 57, range 11, 4th prin. mer.
Do.	Jan. 4	4763	200 00		Do.
Do.	Jan. 4	4764	100 00		Do.
Do.	Jan. 4	4765	100 00		Do.
J. W. Smith	Jan. 4	4766	200 00		Do.
Do.	Jan. 4	4767	100 00		Do.
Do.	Jan. 4	4769	150 00		Do.
Do.	Jan. 4	4770		100 00	Do.
William E. Philbrook	Jan. 4	4771	200 00		Township 57, range 12, 4th prin. mer.
Do.	Jan. 4	4772	200 00		Do.
Do.	Jan. 4	4773	100 00		Do.
Do.	Jan. 4	4774	100 00		Do.
J. A. Stockbridge	Jan. 4	4775	100 00		Do.
Do.	Jan. 4	4777	100 00		Do.
Do.	Jan. 4	4778	150 00		Do.
Do.	Jan. 4	4779	100 00		Do.
Do.	Jan. 4	4780		100 00	Do.
Joseph Genier	Mar. 28	5003	200 00		Township 57, range 13, 4th prin. mer.
Do.	Mar. 28	5004	200 00		Do.
Do.	Mar. 28	5005	200 00		Do.
Do.	Mar. 28	5006	200 00		Do.
Do.	Mar. 28	5007		100 00	Do.
Do.	Aug. 12	5484	69 86		Do.
Henry S. Elliott	Mar. 28	5008	200 00		Township 58, range 13, 4th prin. mer.
Do.	Mar. 28	5009	200 00		Do.
Do.	Mar. 28	5010	200 00		Do.
Do.	Mar. 28	5011	200 00		Do.
Do.	Mar. 28	5012		100 00	Do.
Joseph E. Sharpe	Apr. 14	5072	200 00		Township 58, range 12, 4th prin. mer.
Do.	Apr. 14	5073	200 00		Do.
Do.	Apr. 14	5074	200 00		Do.
Do.	Apr. 14	5075	200 00		Do.
Do.	Apr. 14	5076	200 00		Do.
Do.	Apr. 14	5077	80 00		Do.
Do.	Apr. 14	5078		120 00	Do.
Elisha R. Swain	May 12	5183	200 00		Township 59, range 12, 4th prin. mer.
Do.	May 12	5184	200 00		Do.
Do.	May 12	5185	200 00		Do.
Do.	May 12	5186	200 00		Do.
Do.	May 12	5187	200 00		Do.

D.—Statement of special deposits by individuals for survey, &c.—Continued.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work.	Office work.	
Elisha R. Swain.....	1880. May 12	5188	\$100 00	.....	Township 59, range 12, 4th prin. mer.
Do.....	May 12	5189	.....	\$100 00	Do.
William Schwartz	May 14	5198	20 00	.....	Island in Mississippi River, township
Do.....	May 14	5199	.....	8 00	45, range 31.
Do.....			.....	.....	Do.
Total			10, 174 86	1, 038 00	

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

E.—Statement of original commissioner's and register's plats made, and date of transmission to the general and local land offices, since the date of last annual report.

Township.	Range.	Land district.	Original.	Commissioner's.	Date of transmission.	Register's.	Date of transmission.	Total.
<i>West of fourth principal meridian.</i>								
64	6	Duluth				1	Mar. 16, 1881	1
64	7	do				1	Mar. 16, 1881	1
64	8	do	1	1	Oct. 2, 1880	1	Mar. 16, 1881	3
65	8	do	1	1	Oct. 2, 1880	1	Mar. 16, 1881	3
64	9	do				1	Mar. 16, 1881	1
65	9	do				1	Mar. 16, 1881	1
64	10	do	1	1	Nov. 20, 1880	1	Mar. 16, 1881	3
65	10	do	1	1	Nov. 20, 1880	1	Mar. 16, 1881	3
57	11	do	1	1	June 21, 1881	1	Aug. 10, 1881	3
64	11	do	1	1	Nov. 20, 1881	1	Mar. 16, 1881	3
65	11	do				1	Mar. 16, 1881	1
66	11	do				1	Mar. 16, 1881	1
57	12	do	1	1	Aug. 23, 1881	1	.....	3
63	12	do	1	1	April 8, 1881	1	July 25, 1881	3
66	12	do				1	Mar. 16, 1881	1
57	13	do	1	1	Aug. 10, 1881	1	.....	3
58	13	do	1	1	Aug. 10, 1881	1	.....	3
62	13	do	1	1	May 26, 1881	1	July 25, 1881	3
66	13	do				1	Mar. 16, 1881	1
67	13	do				1	Mar. 16, 1881	1
68	13	do				1	Mar. 16, 1881	1
62	14	do	1	1	Feb. 2, 1881	1	June 18, 1881	3
67	14	do				1	Mar. 16, 1881	1
68	14	do				1	Mar. 16, 1881	1
67	15	do				1	Mar. 16, 1881	1
68	15	do				1	Mar. 16, 1881	1
54	16	do	1	1	Apr. 18, 1881	1	June 6, 1881	3
55	16	do	1	1	Mar. 3, 1881	1	May 12, 1881	3
54	17	do	1	1	Feb. 15, 1881	1	Mar. 25, 1881	3
55	17	do	1	1	Feb. 1, 1881	1	July 28, 1881	3
69	20	do	1	1	July 14, 1881	1	.....	3
70	20	do	1	1	Aug. 23, 1881	1	.....	3
71	20	do	1	1	Aug. 23, 1881	1	.....	3
71	22	do	1	1	June 17, 1881	1	July 25, 1881	3
Total			20	20		34	.....	74

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

F.—Statement of townships surveyed in Minnesota since last annual report, showing areas and number of miles surveyed, including meanders in each.

WEST OF THE FOURTH PRINCIPAL MERIDIAN.

Number.	Township.	Range.	Area.	Miles surveyed.		
				Miles.	Chs.	Lks.
1.....	64	8	17,995.42	117	48	72
2.....	65	8	1,243.15	9	15	28
3.....	64	10	18,186.50	115	56	00
4.....	65	10	4,684.86	32	03	08
5.....	57	11	22,839.77	63	47	27
6.....	64	11	19,808.37	105	69	32
7.....	57	12	22,311.65	68	12	28
8.....	63	12	18,307.76	100	23	12
9.....	57	13	23,152.06	60	29	81
10.....	58	13	22,802.18	59	55	50
11.....	62	13	21,940.53	77	15	40
12.....	62	14	20,236.45	102	56	30
13.....	54	16	21,917.04	88	19	49
14.....	55	16	21,908.00	76	66	90
15.....	54	17	22,416.67	90	35	12
16.....	55	17	22,647.27	63	79	75
17.....	69	20	17,429.07	100	34	27
18.....	70	20	14,507.50	98	80	90
19.....	71	20	1,072.50	21	58	23
20.....	71	22	4,787.45	58	65	34
Total.....				1,511	72	08
Meridian and standard lines.....				81	56	15
Township lines.....				214	76	87
Township lines retraced.....				125	45	54
Grand total.....			340,194.20	1,934	10	64

RECAPITULATION.

Number of acres surveyed since last report.....	340,194.20
Number of acres previously reported.....	40,484,044.22
Total number of acres surveyed to date.....	40,814,238.42

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

G.—Estimates of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1883.

FOR FIELD WORK.

For running 225 miles of standard parallel and auxiliary meridian lines, at \$16 per mile.....	\$3,600 00
For running 1,350 miles of township lines, at \$14 per mile.....	18,900 00
For subdividing 30 townships, estimated as follows, viz:	
1,800 miles of section lines, at \$10 per mile.....	18,000 00
750 miles of meander lines, at \$16 per mile.....	12,000 00
Total for the field work.....	52,500 00

SALARIES.

For salary of surveyor general.....	2,000 00
For salary of chief clerk.....	1,600 00
For salary of three draughtsmen.....	3,600 00
For salary of three transcribing clerks.....	3,200 00
Total for salaries.....	10,400 00

INCIDENTALS.

For pay of messenger, stationary, books, printing, binding, and other necessary expenses \$1,500 00

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

H.—Statement showing amount of salaries paid surveyor general and clerks in his office for the fiscal year ending June 30, 1881.

DR.			CR.		
Date.		Amount.	Date.		Amount.
1880.			1881.		
Sept. 30	Salaries paid from regular appropriation:		June 30	By appropriation, act of June 15, 1880	\$7,000 00
Dec. 31	First quarter	\$1,442 62		By amount of special deposits for office work..	1,238 00
1881.	Second quarter	1,671 75			
March 31	Third quarter	1,858 93			
June 30	Fourth quarter	2,026 70			
1880.					
	Paid from special deposit fund:				
Sept. 30	First quarter	200 00			
Dec. 31	Second quarter	125 00			
1881.					
March 31	Third quarter	275 00			
June 30	Fourth quarter	149 45			
	Balance of special deposits unexpended	488 55			
		8,238 00			8,238 00

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

I.—Statement of the amount paid for incidental expenses of the office for the fiscal year ending June 30, 1881.

DR.			CR.		
Date.		Amount.	Date.		Amount.
1880.			1880.		
Sept. 30	For the first quarter	\$239 96	June 16	By appropriation	\$1,500 00
Dec. 31	For the second quarter	351 85			
1881.					
Mar. 31	For the third quarter	193 40			
June 30	For the fourth quarter	415 55			
	Balance returned to United States Treasury	299 24			
		1,500 00			1,500 00

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

K.—Statement showing condition of appropriation for survey of public lands in Minnesota for the fiscal year ending June 30, 1881.

DR.

CR.

Date.		Amount.	Date.		Amount.
1880.			1880.		
Sept. 11	To J. R. King	\$147 80	June 16	By appropriation, amount assigned to Minnesota...	\$16,000 00
1881.					
Feb. 11	To George R. Stuntz	593 42			
Feb. 15	To George F. Hamilton	1,028 12			
Feb. 11	To George R. Stuntz	237 36			
Apr. 8	..... do	1,136 25			
May 12	To George F. Hamilton	1,743 65			
May 26	To George R. Stuntz	807 99			
June 2	To George F. Hamilton	460 68			
June 14	..... do	661 73			
July 14	..... do	1,085 88			
Feb. 15	..... do	56 27			
	Balance to be applied on surveys executed by George R. Stuntz and George F. Hamilton	8,040 85			
		16,000 00			16,000 00

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1881.

I.—Report of the surveyor general of Montana.

UNITED STATES SURVEYOR GENERAL'S OFFICE,
Helena, Mont., August 26, 1881.

SIR: In compliance with instructions in your letter "E," dated April 26, 1881, I have the honor to submit my annual report of the surveying operations in this district, with accompanying statements, for the fiscal year ending June 30, 1881, as follows:

SURVEYS.

The following standard and meridian lines have been established during the fiscal year, viz:

The second standard parallel north, through ranges Nos. 21, 22, 23, 24, and 25 east, and Nos. 48 and 49 east.

The third standard parallel north, through ranges Nos. 21, 22, 23, 24, and 25 east, a portion of No. 47 east, and Nos. 48 and 49 east.

The fourth standard parallel north, through ranges Nos. 7 and 8 east, and Nos. 17, 18, 19, 20, 21, 22, 23, 24, and 25 east.

The Belt Mountain guide meridian, through townships Nos. 17, 18, 19, and 20 north, between ranges Nos. 6 and 7 east.

The Caulson guide meridian, through townships Nos. 9, 10, 11, 12, 13, 14, 15, and 16 north, between ranges Nos. 25 and 26 east.

The Tongue River guide meridian, through townships Nos. 8, 9, 10, 11, and 12 north, between ranges Nos. 47 and 48 east.

The exterior boundaries of sixteen townships situated in the Judith Basin, on the easterly side of the Snowy Mountains, on the tributaries of the Musselshell River, and in the lower Yellowstone Valley, have been run, and twenty-one townships in the same localities have been subdivided during the fiscal year.

The total cost of surveys, including the standard and meridian lines, and exterior boundaries of townships was \$14,434.43; the expense of inspecting surveys, \$381; and office expenses, including salaries, \$6,998.02. Debiting the land subdivided with the entire expense, the cost will be about as follows: Field work, 3¼ cents per acre; inspecting same, 1 mill per acre; office work on same, 1 cent and 8 mills per acre; and the total expense to the government, 5.65 cents per acre. The net cash receipts for entry and sale of lands in Montana during said fiscal year largely exceed the total cost of surveys.

At a convention of surveyors general of the United States, held at Salt Lake City, Utah, October 6 to 13, 1880, pursuant to order of your predecessor, the question of pub-

H.—REPORT OF THE SURVEYOR GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

SIR: In compliance with instructions in your letter of April 20, 1882, I have the honor to submit my annual report, in duplicate, of the surveying operations in this district for the fiscal year ending June 30, 1882.

The surveys embraced in contracts made under the appropriation of June 16, 1880, not completed at date of last annual report, have been completed during the year, the field notes examined and approved, and plats and transcripts of the field notes made and transmitted to the General Land Office.

In accordance with your expressed views and authority contained in your letter of May 9, 1881, contracts were made under the appropriation of March 3, 1881, for the survey of about 200 miles of standard and meridian lines, and about 550 miles of township lines, the estimated cost of the same being about \$11,000.

The execution of these surveys was greatly delayed by the extremely bad weather which continued during the last fall and winter, as well as by the dense timber and underbrush which prevails throughout the entire region surveyed, rendering it necessary to give the deputies more time in which to complete their surveys. Most of these surveys are now reported to be completed.

There have been surveyed since last annual report 206 miles 28 chains and 11 links of standard and meridian lines, and 556 miles 32 chains and 71 links of township lines; also 1,783 miles of section and meander lines, being the subdivision lines of 26 townships, the field notes of which have been examined and approved, and plats and transcripts of field notes transmitted to the General Land Office.

The amount of office work in arrears has been reduced to a considerable extent during the year, while the amount of office work to be performed has been largely increased.

A large amount of miscellaneous work in the office has been performed of which no detailed statement can be given.

The several statements and estimates accompanying this report will exhibit the progress and present condition of the field and office work to this date, and are as follows:

A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882. Appropriation of \$300,000, act of March 3, 1881.

B.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands, and payable from special deposits by individuals for the fiscal year ending June 30, 1882, including contracts not closed at date of last annual report.

C.—Statement of special deposits by individuals for survey of public lands in Minnesota during the fiscal year ending June 30, 1882.

D.—Statement of original commissioners' and registers' plats made, and date of transmission to the General and local land offices since the date of last annual report.

E.—Statement of townships surveyed in Minnesota since last annual report, showing areas and number of miles of section and meander lines surveyed.

F.—Estimate of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1882.

G.—Statement of account of appropriation for salaries of surveyor general and clerks for the fiscal year ending June 30, 1882.

H.—Statement of account of special deposits by individuals for office work for the fiscal year ending June 30, 1882.

I.—Statement of the amount paid for incidental expenses of the office for the fiscal year ending June 30, 1882.

K.—Statement showing the expenditure of the appropriation for survey of public lands in Minnesota for the fiscal year ending June 30, 1881.

L.—Statement showing expenditure of appropriation for survey of public lands for the fiscal year ending June 30, 1882.

All of which is respectfully submitted.

Very respectfully, your obedient servant,

J. H. STEWART,
Surveyor General.

Hon. N. C. MCFARLAND,
Commissioner of the General Land Office.

A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882. Appropriation of \$300,000, act of March 3, 1881.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
George F. Hamilton..	June 30, 1881	The tenth correction line from the corner to township 69, ranges 24 and 25 west, fourth meridian west to the third guide meridian of the fifth principal meridian. Auxiliary meridian line, between ranges 23 and 24, from the ninth correction line north to the tenth correction line. Range lines between ranges 24 and 25, in townships 65, 66, 67, and 68, and between ranges 25 and 26 and 26 and 27, in townships 65, 66, 67, 68, 69, and 70. Township lines between townships 65 and 66, 66 and 67, and 67 and 68, in ranges 24, 25, 26, and 27, and between townships 69 and 70, in ranges 25, 26, and 27 west of fourth principal meridian. Also the thirteenth standard parallel between townships 152 and 153, in ranges 25, 26, 27, and 28 west of fifth principal meridian; and the fourteenth standard parallel between townships 156 and 157, from the third guide meridian to the east boundary of the Red Lake Indian Reservation. Also auxiliary meridian line from the thirteenth standard parallel north, between ranges 28 and 29, to the east boundary of said reservation. And also all the range and township lines embraced in the territory lying north of the thirteenth standard parallel west of the third guide meridian and east of the meridian line, between ranges 28 and 29 and the eastern boundary of said Red Lake Indian Reservation.	\$6,000 00	.....	Surveys completed and field notes returned to this office.
Mahlon Black.....	June 30, 1881	The ninth correction line from the corner to township 65 north, ranges 19 and 20 west of fourth principal meridian, west about 44 miles to the third guide meridian west of fifth principal meridian. Auxiliary meridian line between ranges 23 and 24, from the eighth correction line north 24 miles to the ninth correction line. Range lines between ranges 23 and 24, in township 60, between ranges 24 and 25, in townships 60, 61, 62, 63, and 64 and between ranges 25 and 26, and 26 and 27, in townships 61, 62, 63, and 64. Township lines between townships 61 and 62, 62 and 63, and 63 and 64, in ranges 24, 25, 26, and 27 west of fourth principal meridian, Minnesota.	3,100 00	.....	Partial returns from deputy.
George F. Hamilton	Oct. 1, 1881	The third guide meridian from the corner to sections 24 and 25, township 152 north, range 25 west of fifth principal meridian, Minnesota, north to the international boundary.	650 00	\$654 20	Survey completed and approved; diagram and field notes transmitted.
Do.....	Feb. 3, 1882	The subdivision and meander lines in township 71 north, range 23 west, and townships No. 70 north, in ranges 25, 26, and 27 west of fourth principal meridian, Minnesota.	1,000 00	.....	Surveys completed and field notes returned to this office; plat and field notes of township 71, range 23, transmitted.
Josias R. King.....	Feb. 10, 1882	Range lines between ranges 25 and 26, 26 and 27, and 27 and 28, in township 150 north, and township lines between townships 150 and 151, in ranges 25, 26, and 27 west. Also the subdivision and meander lines in township No. 150 north, ranges No. 25, 26, and 27 west of the fifth principal meridian, Minnesota.	3,000 00	Survey of township 150, ranges 25 and 26, completed, and plats and field notes transmitted; survey of township 150, range 27, not completed.

PUBLIC LANDS.

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A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota, &c.—Continued.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
George R. Stuntz	June 22, 1882	The west exterior boundary line and the subdivision and meander lines in township 60 north, range 14 west of the fourth principal meridian, Minnesota.	\$700 00	.....	No returns; deputy in the field.
Do.....	June 22, 1882	Subdivision and meander lines in township No. 61 north, ranges No. 13 and 14 west of the fourth principal meridian, Minnesota.	1, 250 00	.....	No returns; deputy in the field.

J. H. STEWART.
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

B.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands and payable from special deposits by individuals for the fiscal year ending June 30, 1882, including contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.	Amount paid deputy.	Amount unexpended.	Condition of work.
Samuel Bundock....	Dec. 2, 1880	A strip of land on the west side of Minnesota River in township 121 north, range 46 west.	\$20 00	\$20 00	\$20 00	-----	Survey completed and approved; plat and field notes transmitted.
George R. Stuntz....	May 15, 1881	Subdivision of township 58 north, range 12 west of fourth meridian.	1,080 00	1,073 81	1,073 81	\$6 19	Surveys completed and approved; plats and field notes transmitted.
George R. Stuntz....	Aug. 6, 1881	Subdivision of township 59 north, range 12 west of fourth meridian.	1,100 00	873 28	873 28	226 72	
George R. Stuntz....	Aug. 6, 1881	West and north exterior boundaries of township 61, range 16, and west and north exterior boundaries of township 62, range 16 west of fourth meridian.	1,622 28	1,610 81	1,610 81	11 47	Survey completed and approved; plat and field notes transmitted.
		Subdivision of township 62 north, range 16 west of fourth meridian.					
Leroy F. Royal.....	Aug. 9, 1881	Island in Lake Benton in section 25, township 110, range 45 west of fifth meridian.	15 00	15 00	15 00	-----	Survey completed and approved; plat and field notes transmitted.
Jewett McPherson...	Sept. 2, 1881	West and north exterior boundaries of township 58, range 7, and east, west, and north exterior boundaries of township 59, range 7 west of fourth meridian.	1,203 41	1,203 41	1,203 41	-----	Surveys completed and approved; plats and field notes transmitted.
		Subdivision of township 59 north, range 7 west of fourth meridian.					
		Subdivision of township 55, range 10 west of fourth meridian ..	600 00	598 12	598 12	1 88	
Robert K. Whiteley..	Sept. 24, 1881	Subdivision of township 55, range 11 west of fourth meridian....	600 00	594 14	594 14	5 86	Contract closed.
		Island in Mississippi River in sections 23 and 26, township 134, range 28 west of fifth meridian.	20 00	20 00	20 00	-----	Survey completed and approved; plat and field notes transmitted.
George R. Stuntz....	Oct. 20, 1881	Subdivision of township 61, range 16 west of fourth meridian....	800 00	654 20	654 20	-----	Survey completed and approved; plat and field notes transmitted.
Richard Cronk.....	Nov. 19, 1881	East exterior line of township 58, range 19, and south, east, and north exterior lines and subdivisions of township 59, range 19 west of fourth meridian.	1,000 00	893 33	893 33	106 67	Surveys completed and approved; plat and field notes transmitted.
		East and west exterior lines and subdivisions of township 60, range 21 west of fourth meridian.	1,128 00	1,098 67	-----	-----	
		West exterior line and subdivision of township 60, range 22 west of fourth meridian.	850 00	777 75	-----	-----	

B.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands and payable from special deposits by individuals for the fiscal year ending June 30, 1882, including contracts not closed at date of last annual report—Continued.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.	Amount paid deputy.	Amount unexpended.	Condition of work.
Oscar E. Garrison ...	Dec. 24, 1881	Two islands in Mississippi River in sections 34 and 35, township 41, range 32, fourth meridian.	\$20 00	\$20 00	.....	.....	Surveys completed and approved; plat and field notes transmitted.
		Two islands in Mississippi River in sections 32 and 33 township 130, range 29, fifth meridian.	20 00	20 00	.....	.....
William P. Allen	Jan. 3, 1882	West and north exterior lines and subdivisions of township 59, range 17 west of fourth meridian.	800 00	812 72	\$800 00	.....	Surveys completed and approved; plat and field notes transmitted.
		South and north exterior lines and subdivisions of township 59, range 17 west of fourth meridian.	832 32	832 32	832 32	.....
William P. Allen	Jan. 23, 1882	Subdivision of township 58 north, range 18 west of fourth meridian.	774 07	790 30	774 07	.....	Surveys completed and approved; plats and field notes transmitted.
		East and west exterior lines and subdivisions of township 60, range 18 west of fourth meridian.	950 00	938 28	.....	.....
Jewett McPherson ..	Jan. 24, 1882	North exterior line and subdivisions of township 59, range 6 west of fourth meridian.	900 00	.....	.....	.....	Surveys completed and field notes returned to this office.
		East, west, and north exterior lines and subdivisions of township 60 north, range 6 west of fourth meridian.	1,000 00	.....	.....	.....
Richard Cronk	Jan. 30, 1882	East exterior line of township 61, range 23, and south, east, and north exterior lines and subdivisions of township 62 north, range 23 west of fourth meridian.	1,000 00	.....	.....	.....	Survey completed; field notes returned.
		Subdivisions of township 60 north, range 25 west of fourth meridian.	700 00	.....	.....	.....
Robert K. Whiteley ..	Feb. 2, 1882	Island in Mississippi River in section 35 of township 134, range 28 west of fifth meridian.	20 00	20 00	20 00	.....	Survey completed; plat and field notes transmitted.
Oscar E. Garrison	Feb. 27, 1882	Island in Mississippi River in section 22 of township 36, range 31 west of fourth meridian.	10 00	10 00	10 00	.....	Survey completed; plat and field notes transmitted.
George R. Stuntz	Mar. 2, 1882	East, west, and north exterior lines and subdivisions of township 63 north, range 16 west of fourth meridian.	.....	.....	.....	.....	Survey completed.
Jewett McPherson ..	Mar. 15, 1882	West exterior line and subdivisions of township 62 north, range 1 west of fourth meridian.	900 00	.....	.....	.....	Survey completed and field notes returned.
William P. Allen	Mar. 25, 1882	Subdivisions of township 58, range 19 west of fourth meridian....	700 00	588 30	.....	.....	Survey completed; plat and field notes returned.
Richard Cronk	Mar. 28, 1882	East and north exterior lines and subdivisions of township 63 north, range 23 west of fourth meridian.	800 00	.....	.....	.....
		Subdivisions of township 62, range 24 west of fourth meridian....	900 00	.....	.....	.....
		Subdivisions of township 63, range 24 west of fourth meridian....	600 00	.....	.....	.....
Oscar E. Garrison	Mar. 30, 1882	Island in Mississippi River in section 33, township 37, range 31 west of fourth meridian.	10 00	.....	.....	.....

George R. Stuntz....	Mar. 31, 1882	South and west exterior lines and subdivisions of township 64, range 20 west of fourth meridian.	1,050 00				
W. H. Sanders.....	Apr. 8, 1882	Island in lake in sections 18 and 19 of township 128, range 27 west of fourth meridian.	6 00	6 00	6 00		Survey completed; plat and field notes transmitted.
George R. Stuntz....	Apr. 22, 1882	Range lines between ranges 18 and 19 in townships 61, 62, and 63, and the north and south exterior lines and subdivisions of township 63, range 19 west of fourth meridian.	1,090 00				
		The north, south, and west exterior lines and subdivisions of township 66, range 20 west of fourth meridian.	1,080 00				
		The east and north exterior lines and subdivisions of township 65, range 21 west of fourth meridian.	500 00				
Oscar E. Garrison...	May 10, 1882	Two islands in Mississippi River in section 26 of township 36, range 31 west of fourth meridian.	10 00	10 00	10 00		Survey completed; plat and field notes transmitted.
H. J. Chevre.....	June 9, 1882	Four islands in Prior Lake in section 35 of township 115, range 22 west of fifth meridian.	15 00	15 00			Survey completed; plat and field notes transmitted.
Jewett McPherson ..	June 15, 1882	The east exterior line and subdivision of township 60, range 16 west of fourth meridian.	700 00				No returns.
		The east exterior line and subdivision of township 60, range 17 west of fourth meridian.	700 00				

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

J. H. STEWART,
Surveyor General.

C.—Statement of special deposits by individuals for survey of public lands in Minnesota during the fiscal year ending June 30, 1882.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work.	Office work.	
Thomas Menogue.....	1881. July 27	5421	\$200 00		Township 62, range 16 west, 4th principal meridian.
Do.....	July 27	5422	200 00		Do.
Do.....	July 27	5423	200 00		Do.
Do.....	July 27	5425	200 00		Do.
Do.....	July 27	5426	200 00		Do.
Do.....	July 27	5427	200 00		Do.
Petter Armstrong.....	July 27	5428	75 00		Do.
Do.....	July 27	5429		\$125 00	Do.
Do.....	1882. July 22	73	167 28		Do.
Do.....	July 22	74	180 00		Do.
Charles M. Morse.....	1881. Aug. 15	5495	15 00		Island in Lake Benton, in section 25, township 110, range 45, 5th principal meridian.
Do.....	Aug. 15	5496		7 00	
Sumner W. Farnham.....	Aug. 19	5509	20 00		Island in Mississippi River, in sections 23-26, township 134, range 28 west, 5th principal meridian.
Do.....	Aug. 19	5510		8 00	
N. B. Merritt.....	Aug. 24	5521	200 00		Township 59 north, range 7 west, 4th principal meridian.
Do.....	Aug. 24	5522	200 00		Do.
Do.....	Aug. 24	5523	200 00		Do.
Do.....	Aug. 24	5524	200 00		Do.
Do.....	Aug. 24	5525	200 00		Do.
Do.....	Aug. 24	5526	100 00		Do.
Do.....	Aug. 24	5527		100 00	Do.
Do.....	1882. June 16	6623	103 41		Do.
Patrick Lynch.....	1881. Aug. 24	5528	200 00		Township 55 north, range 10 west, 4th principal meridian.
Do.....	Aug. 24	5529	200 00		Do.
Do.....	Aug. 24	5530	200 00		Do.
Do.....	Aug. 24	5531		75 00	Do.
Martin Meynaryk.....	Aug. 24	5532	200 00		Township 55 north, range 11 west, 4th principal meridian.
Do.....	Aug. 24	5533	200 00		Do.
Do.....	Aug. 24	5534	100 00		Do.
Do.....	Aug. 24	5535	100 00		Do.
Do.....	Aug. 24	5536		75 00	Do.
Alexander McCaskill.....	Oct. 17	5704	200 00		Township 61 north, range 16 west, 4th principal meridian.
Do.....	Oct. 17	5705	200 00		Do.
Do.....	Oct. 17	5706	200 00		Do.
Do.....	Oct. 17	5707	200 00		Do.
Do.....	Oct. 17	5708		75 00	Do.
Archibald McCaws.....	Nov. 18	5797	200 00		Township 60 north, range 21 west, 4th principal meridian.
Do.....	Nov. 18	5798	200 00		Do.
Do.....	Nov. 18	5799	200 00		Do.
Do.....	Nov. 18	5800	200 00		Do.
Do.....	Nov. 18	5801	200 00		Do.
Do.....	Nov. 18	5802	125 00		Do.
Do.....	Nov. 18	5803		125 00	Do.
Daniel Demmons.....	Nov. 18	5804	200 00		Township 60 north, range 22 west, 4th principal meridian.
Do.....	Nov. 18	5805	200 00		Do.
Do.....	Nov. 18	5806	200 00		Do.
Do.....	Nov. 18	5807	200 00		Do.
Do.....	Nov. 18	5808	50 00		Do.
Do.....	Nov. 18	5809		100 00	Do.
J. Congdon.....	Nov. 18	5810	200 00		Township 59 north, range 19 west, 4th principal meridian.
Do.....	Nov. 18	5811	200 00		Do.
Do.....	Nov. 18	5812	200 00		Do.
Do.....	Nov. 18	5813	200 00		Do.
Do.....	Nov. 18	5814	200 00		Do.
Do.....	Nov. 18	5815		100 00	Do.
Gavin Hamilton.....	Dec. 9	5887	200 00		Township 59 north, range 18 west, 4th principal meridian.
Do.....	Dec. 9	5888	200 00		Do.
Do.....	Dec. 9	5889	200 00		Do.
Do.....	Dec. 9	5890	200 00		Do.

C.—Statement of special deposits by individuals for survey, &c.—Continued.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work	Office work.	
Gavin Hamilton	1881. Dec. 9	5891	.....	\$100 00	Township 59 north, range 18 west, 4th principal meridian.
Do	1882. July 31	102	\$32 32	.....	Do.
Eben Tozer	1881. Dec. 9	5892	200 00	.....	Township 59 north, range 17 west, 4th principal meridian.
Do	Dec. 9	5893	200 00	.....	Do.
Do	Dec. 9	5894	200 00	.....	Do.
Do	Dec. 9	5895	200 00	.....	Do.
Do	Dec. 9	5896	.....	100 00	Do.
Charles Peterson	Dec. 20	5936	200 00	.....	Township 63 north, range 16 west, 4th principal meridian.
Do	Dec. 20	5937	200 00	.....	Do.
Do	Dec. 20	5938	200 00	.....	Do.
Do	Dec. 20	5939	200 00	.....	Do.
Do	Dec. 20	5940	200 00	.....	Do.
Do	Dec. 20	5941	75 00	.....	Do.
Do	Dec. 20	5942	.....	125 00	Do.
William Lightbody	Dec. 22	5952	200 00	.....	Township 62 north, range 24 west, 4th principal meridian.
Do	Dec. 22	5953	200 00	.....	Do.
Do	Dec. 22	5954	200 00	.....	Do.
Do	Dec. 22	5955	200 00	.....	Do.
Do	Dec. 22	5956	100 00	.....	Do.
Do	Dec. 22	5957	.....	100 00	Do.
John Coats	Dec. 23	5959	20 00	.....	Island in Mississippi River, in sections 34, 35, township 41, range 32, 4th principal meridian.
Do	Dec. 23	5960	.....	10 00	
Do	Dec. 23	5961	20 00	.....	Island in Mississippi River, in sections 32, 33, township 130, range 29, 5th principal meridian.
Do	Dec. 23	5962	.....	10 00	
Carl Beyer	Dec. 30	5989	200 00	.....	Township 59 north, range 6 west, 4th principal meridian.
Do	Dec. 30	5990	200 00	.....	Do.
Do	Dec. 30	5991	200 00	.....	Do.
Do	Dec. 30	5992	200 00	.....	Do.
Do	Dec. 30	5993	100 00	.....	Do.
Do	Dec. 30	5994	.....	100 00	Do.
James Green	Dec. 30	5995	200 00	.....	Do.
Do	Dec. 30	5996	200 00	.....	Do.
Do	Dec. 30	5997	200 00	.....	Do.
Do	Dec. 30	5998	200 00	.....	Do.
Do	Dec. 30	5999	200 00	.....	Township 60 north, range 6 west, 4th principal meridian.
Do	Dec. 30	6000	.....	100 00	Do.
Marthin Thompson	Dec. 30	6001	200 00	.....	Township 60 north, range 18 west, 4th principal meridian.
Do	Dec. 30	6002	200 00	.....	Do.
Do	Dec. 30	6003	200 00	.....	Do.
Do	Dec. 30	6004	200 00	.....	Do.
Do	Dec. 30	6005	150 00	.....	Do.
Do	Dec. 30	6006	.....	100 00	Do.
Thomas L. Hall	1882. Jan. 3	6021	200 00	.....	Township 62 north, range 23 west, 4th principal meridian.
Do	Jan. 3	6022	200 00	.....	Do.
Do	Jan. 3	6023	200 00	.....	Do.
Albert Carey	Jan. 3	6024	200 00	.....	Do.
Do	Jan. 3	6025	200 00	.....	Do.
Do	Jan. 3	6026	.....	100 00	Do.
Frank Bannock	Jan. 4	6031	200 00	.....	Township 60 north, range 25 west, 4th principal meridian.
Do	Jan. 4	6032	200 00	.....	Do.
Do	Jan. 4	6033	200 00	.....	Do.
Do	Jan. 4	6034	100 00	.....	Do.
Do	Jan. 4	6035	.....	100 00	Do.
George W. Johnson	Jan. 10	6058	100 00	.....	Township 58 north, range 18 west, 4th principal meridian.
Do	Jan. 10	6059	100 00	.....	Do.
Do	Jan. 10	6060	100 00	.....	Do.
Do	Jan. 10	6061	100 00	.....	Do.
James Passant	Jan. 10	6062	200 00	.....	Do.
Do	Jan. 10	6063	75 00	.....	Do.
Do	Jan. 10	6064	.....	100 00	Do.

C.—Statement of special deposits by individuals for survey, &c.—Continued.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work.	Office work.	
George W. Johnson.....	1882. June 26	6639	\$99 07	.....	Township 58 north, range 18 west, 4th principal meridian.
A. W. Miller	Jan. 31	6130	20 00	.....	Island in Mississippi River, in section 35, township 134 north, range 28 west, 5th principal meridian.
Do.....	Jan. 31	6131	.....	\$7 60	
John Coates	Feb. 23	6193	10 00	.....	Island in Mississippi River, in section 22, township 36 north, range 31 west, 4th principal meridian.
Do.....	Feb. 23	6194	.....	5 00	
Frank Johnson	Mar. 2	6220	200 00	.....	Township 58 north, range 19 west, 4th principal meridian.
Do.....	Mar. 2	6221	200 00	.....	Do.
Do.....	Mar. 2	6222	200 00	.....	Do.
Do.....	Mar. 2	6223	100 00	.....	Do.
Do.....	Mar. 2	6224	.....	100 00	Do.
Edward H. Smith.....	Mar. 10	6247	200 00	.....	Township 62 north, range 1 west, 4th principal meridian.
Do.....	Mar. 10	6248	200 00	.....	Do.
Do.....	Mar. 10	6249	200 00	.....	Do.
Do.....	Mar. 10	6250	200 00	.....	Do.
Do.....	Mar. 10	6251	100 00	.....	Do.
Do.....	Mar. 10	6252	.....	100 00	Do.
George Cunningham...	Mar. 24	6286	200 00	.....	Township 64 north, range 20 west, 4th principal meridian.
Do.....	Mar. 24	6287	200 00	.....	Do.
Do.....	Mar. 24	6288	200 00	.....	Do.
Do.....	Mar. 24	6289	200 00	.....	Do.
Do.....	Mar. 24	6290	100 00	.....	Do.
Do.....	Mar. 24	6291	150 00	.....	Do.
Do.....	Mar. 24	6292	.....	100 00	Do.
Henry Quinn	Mar. 24	6297	200 00	.....	Township 63 north, range 24 west, 4th principal meridian.
Do.....	Mar. 24	6298	200 00	.....	Do.
Do.....	Mar. 24	6299	200 00	.....	Do.
Do.....	Mar. 24	6300	.....	100 00	Do.
Henry Bender	Mar. 24	6301	150 00	.....	Township 63 north, range 23 west, 4th principal meridian.
Do.....	Mar. 24	6302	150 00	.....	Do.
Do.....	Mar. 24	6303	150 00	.....	Do.
Do.....	Mar. 24	6304	50 00	.....	Do.
Do.....	Mar. 24	6305	100 00	.....	Do.
Do.....	Mar. 24	6306	200 00	.....	Do.
Do.....	Mar. 24	6307	.....	100 00	Do.
C. Bridgman.....	Mar. 29	6317	10 00	.....	Island in Mississippi River, in section 33, township 37, range 31 west, 4th principal meridian.
Do.....	Mar. 29	6318	.....	5 00	
James H. Letson	Apr. 5	6355	6 00	.....	Island in Lake Winona, in sections 18, 19, township 128 north, range 37 west, 5th principal meridian.
Do.....	Apr. 5	6356	.....	6 00	
Eli Sager.....	Apr. 12	6378	200 00	.....	Township 63 north, range 19 west, 4th principal meridian.
Do.....	Apr. 12	6379	200 00	.....	Do.
Do.....	Apr. 12	6380	200 00	.....	Do.
Do.....	Apr. 12	6381	200 00	.....	Do.
Do.....	Apr. 12	6382	200 00	.....	Do.
Do.....	Apr. 12	6383	90 00	.....	Do.
Do.....	Apr. 12	6384	.....	110 00	Do.
Hugh Chisholm.....	Apr. 14	6388	200 00	.....	Township 66 north, range 20 west, 4th principal meridian.
Do.....	Apr. 14	6389	200 00	.....	Do.
Do.....	Apr. 14	6390	200 00	.....	Do.
Do.....	Apr. 14	6391	200 00	.....	Do.
Do.....	Apr. 14	6392	200 00	.....	Do.
Do.....	Apr. 14	6393	80 00	.....	Do.
Do.....	Apr. 14	6394	.....	120 00	Do.
Antun Ruczinski	Apr. 20	6411	200 00	.....	Township 65 north, range 21 west, 4th principal meridian.
Do.....	Apr. 20	6412	200 00	.....	Do.
Do.....	Apr. 20	6413	100 00	.....	Do.
Do.....	Apr. 20	6414	.....	60 00	Do.
Henry Mason.....	Apr. 24	6426	200 00	.....	Township 64 north, range 21 west, 4th principal meridian.
Do.....	Apr. 24	6427	200 00	.....	Do.
Do.....	Apr. 24	6428	100 00	.....	Do.
Do.....	Apr. 24	6429	.....	60 00	Do.

C.—Statement of special deposits by individuals for survey, &c.—Continued.

Name of depositor.	Date of deposit.	No. of certificate.	Amount of deposit.		Location of survey.
			Field work.	Office work.	
James A. Workheisen.	1882. May 1	6448	\$200 00	.....	Township 60 north, range 16 west, 4th principal meridian.
Do.....	May 1	6449	200 00	.....	Do.
Do.....	May 1	6450	200 00	.....	Do.
Do.....	May 1	6451	100 00	.....	Do.
Do.....	May 1	6452	.....	\$100 00	Do.
Charles H. Hutchinson.	May 1	6453	200 00	.....	Township 60 north, range 17 west, 4th principal meridian.
Do.....	May 1	6454	200 00	.....	Do.
Do.....	May 1	6455	200 00	.....	Do.
Do.....	May 1	6456	100 00	.....	Do.
Do.....	May 1	6457	.....	100 00	Do.
M. P. Wilson.....	May 6	6496	10 00	.....	Island in Mississippi River, in section 26, township 36, range 31, 4th principal meridian.
Do.....	May 6	6497	.....	8 00	
William Edward Hull..	June 8	6595	15 00	.....	Islands in Prior Lake, in section 35, township 115, range 22, 5th principal meridian.
Do.....	June 8	6596	.....	10 00	
			25,498 08	2,926 00	

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

J. H. STEWART,
Surveyor General.

D.—Statement of original commissioner's and register's plats made, and date of transmission to the General and local land offices, since the date of last annual report.

Township.	Range.	Land district.	Original.	Commissioner's.	Date of transmission.	Register's.	Date of transmission.	Total.
<i>West of fourth principal meridian.</i>								
70	22	Duluth	1	1	Oct. 14, 1881	1	Dec. 17, 1881	3
63	13	do	1	1	Nov. 3, 1881	1	Mar. 31, 1882	3
69	21	do	1	1	Feb. 18, 1882	1	Mar. 31, 1882	3
70	21	do	1	1	Dec. 31, 1881	1	Mar. 31, 1882	3
71	21	do	1	1	Jan. 20, 1882	1	Mar. 31, 1882	3
55	10	do	1	1	Mar. 27, 1882	1	Apr. 29, 1882	3
55	11	do	1	1	Apr. 10, 1882	1	Apr. 29, 1882	3
59	19	do	1	1	Mar. 21, 1882	1	Apr. 29, 1882	3
71	24	Saint Cloud	1	1	Feb. 28, 1882	1	May 26, 1882	3
59	7	Duluth	1	1	May 24, 1882	1	July 5, 1882	3
59	12	do	1	1	Apr. 15, 1882	1	July 5, 1882	3
59	17	do	1	1	June 10, 1882	1	July 5, 1882	3
58	18	do	1	1	June 14, 1882	1	July 5, 1882	3
58	12	do	1	1	June 16, 1882	1	Aug. 15, 1882	3
61	16	do	1	1	June 19, 1882	1	Aug. 15, 1882	3
62	16	do	1	1	July 5, 1882	1	Aug. 15, 1882	3
71	23	do	1	1	July 27, 1882	1	Aug. 15, 1882	3
59	18	do	1	1	Aug. 8, 1882	1	.....	3
58	19	do	1	1	Aug. 11, 1882	1	.....	3
60	21	do	1	1	Aug. 9, 1882	1	.....	3
60	22	do	1	1	Aug. 17, 1882	1	.....	3
63	16	do	1	1	Aug. 17, 1882	1	.....	3
<i>West of fifth principal meridian.</i>								
152	42	Crookston	1	1	Nov. 23, 1881	1	Mar. 31, 1882	3
150	25	Saint Cloud	1	1	July 26, 1882	.....	.....	2
150	26	do	1	1	Aug. 9, 1882	.....	.....	2
			26	26			23	75

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

J. H. STEWART,
Surveyor General.

E.—Statement of townships surveyed in Minnesota since last annual report, showing areas and number of miles of section and meander lines surveyed.

Number.	Township.	Range.	Area.	Miles surveyed.					
				Section lines.			Meanders.		
<i>West of fourth principal meridian.</i>			<i>Acres.</i>	<i>Miles.</i>	<i>Chs.</i>	<i>Lks.</i>	<i>Miles.</i>	<i>Chs.</i>	<i>Lks.</i>
1	70	22	19,134.36	46	43	15	26	00	30
2	63	13	16,559.06	55	74	77	51	44	36
3	69	21	11,811.35	34	30	83	46	03	40
4	70	21	19,275.58	57	61	91	31	60	95
5	71	21	2,794.67	13	12	16	41	71	26
6	55	10	22,923.56	59	64	69			
7	55	11	22,990.14	59	33	56			
8	59	19	20,299.00	56	35	04			
9	71	24	2,367.00	3	68	22	6	64	75
10	59	7	22,556.08	60	06	00	11	64	50
11	59	12	24,324.53	61	59	40			
12	59	17	22,261.66	58	76	75			
13	58	18	22,604.80	60	03	56	8	09	30
14	58	12	19,400.44	58	04	87	28	21	93
15	61	16	22,749.50	60	00	94	3	35	40
16	62	16	13,003.46	43	27	03	55	09	75
17	71	23	6,179.75	15	17	59	23	75	80
18	59	18	22,789.98	59	34	98	4	37	00
19	60	18	21,057.80	57	62	49	11	51	80
20	58	19	20,418.46	56	41	06	1	17	00
21	60	21	20,497.40	59	04	25	21	52	60
22	60	22	22,737.16	60	07	39	5	50	40
23	63	16	16,622.98	52	02	57	61	31	75
<i>West of fifth principal meridian.</i>									
24	152	42	18,231.27	52	46	32			
25	150	25	23,020.71	60	15	07	12	01	25
26	150	26	22,927.32	59	76	89	6	21	00
Total			479,538.80	1,322	31	49	460	49	70
Meander lines				460	49	70			
Standard and meridian lines				206	28	11			
Township lines				556	32	71			
Township lines retraced				44	69	20			
Total number of miles surveyed				2,580	51	21			

RECAPITULATION.

Number of acres surveyed since last report	479,538 80
Number of acres previously reported	40,814,238 42
Number of acres surveyed to date	41,293,777 22

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

F.—Estimate of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1884.

FOR FIELD WORK.

For running 75 miles of standard parallel and auxiliary meridian lines, at \$16 per mile	\$1,200 00
For running 600 miles of township lines, at \$14 per mile	8,400 00
For subdividing 30 townships, estimated as follows:	
1,800 miles of section lines, at \$10 per mile	18,000 00
600 miles of meander lines, at \$16 per mile	9,600 00
Total for field work	37,200 00

SALARIES.

For salary of surveyor general	2,000 00
For salary of chief clerk	1,600 00
For salary of three draughtsmen	3,600 00
For salary of three transcribing clerks	2,800 00
Total for salaries	10,000 00

CONTINGENT EXPENSES.

For pay of messenger, stationery, printing, binding, &c..... 1,500 00

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

G.—Statement of account of appropriation for salaries of surveyor general and clerks for the fiscal year ending June 30, 1882.

DR.		CR.	
By amount paid for salaries for quarter ending September 30, 1881.....	\$1,703 81	By appropriation for salary of surveyor general.....	\$2,000 00
For quarter ending December 31, 1881.....	2,117 20	By appropriation for salaries of clerks in office.....	6,000 00
For quarter ending March 31, 1882.....	2,177 45		
For quarter ending June 30, 1882.....	1,915 90		
Balance returned to the United States Treasury.....	85 64		
	<u>8,000 00</u>		<u>8,000 00</u>

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 19, 1882.

H.—Statement of account of special deposits by individuals for office work for the fiscal year ending June 30, 1882.

DR.		CR.	
To amount paid salaries for quarter ending September 30, 1881.....	\$250 55	By balance July 1, 1881.....	\$258 55
For quarter ending December 31, 1881.....	23 00	By amount advanced for quarter ending September 30, 1881.....	227 00
For quarter ending March 31, 1882.....	294 00	By amount advanced for quarter ending December 31, 1881.....	8 00
For quarter ending June 30, 1882.....	694 00	By amount advanced for quarter ending March 31, 1882.....	602 00
Balance unexpended.....	468 00	By amount advanced for quarter ending June 30, 1882.....	634 00
	<u>1,729 55</u>		<u>1,729 55</u>

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

I.—Statement of the amount paid for incidental expenses of the office for the fiscal year ending June 30, 1882.

DR.		CR.	
Date.	Amount.	Date.	Amount.
1881. Sept. 30		1881. Mar. 3	
Dec. 31	For the first quarter.....		By appropriation.....
	\$325 33		\$1,500 00
1882. Mar. 31	For the second quarter.....		
	209 73		
June 30	For the third quarter.....		
	270 15		
	For the fourth quarter.....		
	525 65		
	To balance returned to United States Treasury.....		
	169 14		
	<u>1,500 00</u>		<u>1,500 00</u>

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

K.—Statement showing the expenditure of the appropriation for survey of public lands in Minnesota for the fiscal year ending June 30, 1881.

DR.		CR.	
To amount paid George H. Stuntz on contract of August 7, 1880	\$1,460 63	Balance unexpended at date of last annual report	\$8,010 85
To amount paid George F. Hamilton on contract of August 12, 1880	6,495 53		
Balance unexpended	84 69		
	<u>8,040 85</u>		
			<u>8,040 85</u>

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

L.—Statement showing expenditure of appropriation for survey of public lands for the fiscal year ending June 30, 1882.

DR.		CR.	
To amount paid George F. Hamilton on contract of October 1, 1881	\$609 74	By appropriation act of March 3, 1881, amount assigned to Minnesota	\$16,000 00
To amount paid George F. Hamilton on contract of June 30, 1881	1,886 20		
To amount paid M. Black on contract of June 30, 1881	865 03		
To amount paid Charles E. Davis	25 60		
Balance, to be applied on contracts of George F. Hamilton, M. Black, J. R. King, and George R. Stuntz	12,613 43		
	<u>16,000 00</u>		
			<u>16,000 00</u>

J. H. STEWART,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., August 29, 1882.

H.—REPORT OF THE SURVEYOR GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., July 28, 1883.

SIR: In compliance with instructions in your letter "E" of April 19, 1883, I have the honor to submit my annual report in duplicate of the surveying operations in this district for the fiscal year ending June 30, 1883.

The surveys embraced in contracts made under the appropriation of March 3, 1881, not completed at date of last annual report have been completed during the year, the field notes, excepting those of one township, examined and approved, the plats and transcripts of field notes made and transmitted to the General Land Office.

Under the appropriation of August 7, 1882, six contracts have been made for the survey of about 68 miles of standard lines, 150 miles of township lines, and the subdivision of 24 townships. The execution of these surveys has been greatly delayed by the depth of snow during the last winter and bad weather during the spring, as well as by the great difficulty of getting supplies in the country, and the dense growth of underbrush existing throughout the entire region surveyed rendering it necessary to give the deputies more time in which to complete their work. These surveys are nearly all reported as completed.

The number of townships surveyed since last annual report is 26.

The number of township plats made is as follows, viz; 26 original plats, 26 commissioner's, and 27 register plats. Total number of plats made, 79.

There have been surveyed according to field notes returned to this office since date of last annual report 52 miles, 25 chains, and 36 links of standard lines; 396 miles, 12 chains, and 37 links of township lines, and 24 miles, 8 chains, and 92 links of township lines resurveyed; 1,312 miles, 21 chains, and 51 links of section lines, and 240 miles, 27 chains, and 58 links of meander lines, making total number of miles surveyed, 2,025 miles, 15 chains, and 74 links.

The total number of acres surveyed during the year is 493,538.69, which added to amount previously reported (41,293,777.22) gives total number of acres surveyed in this State to this date, 41,787,315.91.

The aggregate of special deposits made by individuals for survey of public lands since last report is as follows: For field work, \$3,123.82, and for office work, \$392.

Accompanying this report are statements showing the contracts under the appropriation for the fiscal year and contracts chargeable to deposits, as follows:

A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882, Act of March 3, 1881. Contracts not closed at date of last annual report.

B.—Statement of contracts entered into on account of the \$20,000 assigned to Minnesota for the fiscal year ending June 30, 1883. Act of August 7, 1882.

C.—Statement of contracts entered into, payable from special deposits by individuals, for the fiscal year ending June 30, 1883, including contracts not closed at date of last annual report.

In regard to future surveying operations in this district, I would repeat the opinion expressed by me in my letter of June 25, 1883, transmitting the estimate of the appropriation necessary for the surveying service, that "the best interests of the Government will be subserved by a speedy survey of the timber lands in this State, and their disposal at public sale." As the value of these lands consists almost entirely in the timber upon them, it is believed that in very rare instances are they sought for for actual settlement and cultivation, and in my judgment they should be exempted from the operations of the pre-emption and homestead laws, and immediate action should be taken by Congress for their disposal at an appraised valuation, under such regulations and restrictions as they may deem proper.

In view of the character of the unsurveyed portion of the State, and the distance which men and supplies have to be transported, involving a large expense of time and money, I deem the rates for surveys, stated in my estimate of June 25, to be as low as good and faithful work can be afforded.

All of which is respectfully submitted.

Very respectfully, your obedient servant,

MARTIN S. CHANDLER,
United States Surveyor General.

Hon. N. C. MCFARLAND,
Commissioner of the General Land Office, Washington D. C.

A.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$16,000 assigned to Minnesota for the fiscal year ending June 30, 1882. Appropriation of \$300,000. Act of March 3, 1881. Contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
Mahlon Black	June 30, 1881	The ninth correction line from the corner to T. 65 N., R. 19 and 20 W. of the fourth principal meridian west about 44 miles to the third guide meridian west of the fifth principal meridian; auxiliary meridian line between R. 23 and 24 from the eighth correction line north 24 miles to the ninth correction line; range lines between R. 23 and 24 in T. 60., between R. 24 and 25, in T. 60, 61, 62, 63, and 64, and between R. 25 and 26, and 26 and 27 in T. 61, 62, 63, and 64; township lines between T. 61 and 62, 62 and 63, and 63 and 64 in R. 24, 25, 26, and 27 W. of fourth principal meridian, Minnesota.	\$3,100 00	\$2,974 08	Surveys completed and approved; diagrams and field notes transmitted.
George F. Hamilton....	Feb. 3, 1882	The subdivision and meander lines in T. 71 N., R. 23 W., and T. 70 N., in R. 25, 26, and 27 W. of fourth principal meridian, Minnesota.	1,000 00	1,150 87	Surveys completed and approved; plats and field notes transmitted.
Josias R. King.....	Feb. 10, 1882	Range lines between R. 25 and 26, 26 and 27, and 27 and 28, in T. 150 N., and township lines between T. 150 and 151, in R. 25, 26, and 27 W.; also the subdivision and meander lines in T. 150 N., R. 25, 26, and 27 W. of the fifth principal meridian, Minnesota.	3,000 00	2,799 19	Do.
George R. Stuntz	June 22, 1882 (No. 24.)	The west exterior boundary line and the subdivision and meander lines in T. 60 N., R. 14 W. of the fourth principal meridian, Minnesota.	700 00	691 26	Do.
Do	June 22, 1882 (No. 25.)	The subdivision and meander lines in T. 61 N., R. 13 and 14 W. of the fourth principal meridian, Minnesota.	1,250 00	836 06	Surveys completed; plat and field notes of T. 61, R. 14, transmitted.

MARTIN S. CHANDLER,
Surveyor General.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., July 28, 1883.

B.—Statement of contracts entered into by the surveyor general of Minnesota on account of the \$20,000 assigned to Minnesota for the fiscal year ending June 30, 1883. Appropriation of \$400,000. Act of August 7, 1882.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
Eli W. Griffin.....	Sept. 25, 1882	The ninth correction line from the southeast corner of T. 65 N., R. 12 W., west through R. 12, 13, 14, 15, 16, 17, 18, and 19; township lines, viz, the east and north boundaries of T. 63 N., R. 15 W.; the east and west boundaries of T. 64 N., R. 15 W.; the west boundary of T. 64 N., R. 16 W.; the southwest and north boundaries of T. 63 N., R. 17 W., and the south and north boundaries of T. 63 N., R. 18 W.; also the subdivision and meander lines of T. 63 and 64 N., R. 15 W., T. 64, R. 16 W., and T. 63 N., R. 17 and 18 W., of the fourth principal meridian, Minnesota.	\$5, 500 00	.....	Deputy in the field; no returns.
George R. Stuntz	Sept. 28, 1882	The subdivision and meander lines in T. 60 and 61, R. 15, and T. 56, R. 16 W., of the fourth principal meridian, Minnesota.	1, 300 00	\$863 12	Deputy reports surveys completed; plats and field notes of T. 60 and 61, R. 15, transmitted.
Jewett McPherson	Dec. 28, 1882	The south and east exterior boundaries of T. 64 N., in R. 4 and 5 W.; and the subdivision and meander lines in T. 64, R. 4, and T. 64 and 65, R. 5 W., of fourth principal meridian, Minnesota.	2, 750 00	.....	Deputy reports surveys completed.
Thomas Ross	Jan. 15, 1883	Subdivisions of T. 154, 156, and 157 N., in R. 26 W., of the fifth principal meridian, Minnesota.	1, 300 00	1, 257 22	Surveys completed and approved; plats and field notes transmitted.
George F. Hamilton....	Feb. 21, 1883	The tenth correction line from the corner to T. 68 and 69 N., R. 19 and 20 W., of the fourth meridian, east about 20 miles to the international boundary; the exterior boundaries of fractional T. 69 N., in R. 16, 17, 18, and 19 W., and fractional T. 70 N., in R. 18 and 19 W.; also the subdivision and meander lines of said fractional T. 69 N., in R. 16, 17, 18, and 19 W., and fractional T. 70 N., in R. 18 and 19 W., of the fourth principal meridian, Minnesota.	4, 500 00	.....	Deputy in the field; no returns.
Thomas Ross	Apr. 20, 1883	The east exterior boundary of T. 60 N., R. 20 W.; the north exterior boundary of T. 61 N., R. 19 W.; the north exterior boundary of T. 61 N., R. 20 W.; the north exterior boundary of T. 61 N., R. 22 W.; and the east and north exterior boundaries of T. 62 N., R. 22 W.; and the subdivision and meander lines in T. 61 N., R. 19 W., T. 60 and 61 N., R. 20 W., and T. 61 and 62 N., R. 22 W., of the fourth principal meridian, Minnesota.	2, 600 00	.....	Deputy now in the field; no returns.

PUBLIC LANDS.

SURVEYOR GENERAL'S OFFICE,
Saint Paul, Minn., July 28, 1883.

MARTIN S. CHANDLER,
Surveyor General.

C.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands and payable from special deposits by individuals for the fiscal year ending June 30, 1883, including contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.	Condition of work.
Jewett McPherson	Jan. 24, 1882	North exterior line and subdivisions T. 59 N., R. 6 W., fourth meridian.	\$900 00	\$1,030 30	Surveys completed and approved; plats and field notes transmitted.
		East, west, and north exterior lines and subdivisions T. 60 N., R. 6 W., fourth meridian.	1,000 00	1,306 63	Do.
Richard Cronk	Jan. 30, 1882	East exterior line T. 61, R. 23, and south, east, and north exterior lines and subdivisions T. 62 N., R. 23 W., fourth meridian.	1,062 23	1,062 12	Do.
		Subdivisions T. 60 N., R. 25 W., fourth meridian	700 00	1,162 43	Do.
George R. Stuntz	Mar. 2, 1882	East, west, and north exterior lines and subdivisions T. 63 N., R. 16 W., fourth meridian.	1,710 57	1,710 51	Do.
Jewett McPherson	Mar. 15, 1882	West exterior lines and subdivisions T. 62 N., R. 1 W., fourth meridian.	900 00	1,034 01	Do.
Richard Cronk	Mar. 28, 1882	East and north exterior lines and subdivisions T. 63 N., R. 23 W., fourth meridian.	800 00	827 65	Do.
		Subdivisions T. 62 N., R. 24 W., fourth meridian	900 00	847 73	Do.
		Subdivisions T. 63 N., R. 24 W., fourth meridian	600 00	611 64	Do.
Oscar E. Garrison	Mar. 30, 1882	Island in Mississippi River in S. 33, T. 37, R. 31 W., fourth meridian.	10 00	10 00	Survey completed; plat and field notes transmitted.
George R. Stuntz	Mar. 31, 1882	South and west exterior lines and subdivisions T. 64 N., R. 20 W., fourth meridian.	1,050 00	1,057 76	Survey completed and approved; plat and field notes transmitted.
Do.	Apr. 23, 1882	Range lines between R. 18 and 19 in T. 61, 62, and 63, and the north and south exterior lines and subdivisions T. 63, R. 19 W., fourth meridian.	1,090 00	1,052 15	Do.
		North, south, and west exterior lines and subdivisions T. 66 N., R. 20 W., fourth meridian.	1,080 00	962 22	Do.
		The east and north exterior lines and subdivisions T. 65, R. 21 W., fourth meridian.	500 00	419 02	Do.
Jewett McPherson	June 15, 1882	The east exterior and subdivisions T. 60, R. 16 W., fourth meridian	700 00	732 79	Do.
		The east exterior and subdivisions T. 60, R. 17 W., fourth meridian	700 00	821 91	Do.
Wm. H. Sanders	Sept. 8, 1882	Island in lake in S. 10, T. 128 N., R. 38 W., fifth meridian	7 00	7 00	Do.
George R. Stuntz	Sept. 28, 1882	South and west exterior boundaries and subdivisions T. 64, R. 21 W., fourth meridian.	500 00	414 75	Do.
Ashbel Ingerson	Oct. 16, 1882	Island in Lake Minnetonka in S. 19, T. 117 N., R. 23 W., fifth meridian.	8 00	8 00	Do.
S. H. Baker	Oct. 21, 1882	Three islands in Mississippi River in S. 15 and 22, T. 29, R. 24 W., fourth meridian.	15 00	15 00	Do.
Herman Swanson	Nov. 11, 1882	Island in Lake Auburn in S. 10, T. 116 N., R. 24 W., fifth meridian.	6 00	6 00	Do.
George R. Stuntz	Mar. 24, 1883	Subdivision T. 60 N., R. 23 W., fourth meridian.	475 00	.....	No returns; deputy reports survey completed.
Thomas Ross	Apr. 20, 1883	The north, east, and west exterior boundaries and subdivisions of T. 61 N., R. 21 W., fourth meridian.	650 00	.....	Deputy now in the field.
		Subdivisions T. 64 N., R. 24 W., fourth meridian	460 00	.....	Do.
George R. Stuntz	June 11, 1883	Subdivisions T. 65 N., R. 24 W., fourth meridian	800 00	.....	Do.

H.—REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
Saint Paul, July 26, 1884.

SIR: In compliance with instructions in your letter E of May 5, 1884, I have the honor to submit in duplicate my annual report of the surveying operations in this district for the fiscal year ending June 30, 1884.

The surveys embraced in contracts made under the appropriations of August 7, 1882, not completed at date of last annual report, have since been completed, the field notes, excepting surveys under contract of E. W. Griffin, examined and approved, and plats and transcripts of field notes made and transmitted to the General Land Office. Under the appropriation for public surveys of March 3, 1883, four contracts have been made for the survey of about 30 miles of standard lines, 220 miles of township lines, and the subdivision of 20 townships. The survey of 13 of these townships has been completed, and the deputies are now at work prosecuting the surveys of the others.

The number of townships surveyed since last annual report is 28.

The number of township plats made is as follows, viz: Twenty-nine original plats, 29 commissioner's plats, and 27 register's plats; total number of plats made, 85.

There have been surveyed since date of last annual report 64 miles, 34 chains, and 53 links of standard lines; 243 miles, 78 chains, and 7 links of township lines, and 17 miles, 23 chains, and 94 links of township lines resurveyed; 1,355 miles, 26 chains, and 49 links of section lines; 702 miles, 3 chains, and 83 links of meander lines; and 25 miles, 59 chains, and 44 links of closing and connecting lines; making total number of miles surveyed 2,408 miles, 66 chains, and 30 links.

The total number of acres surveyed during the year is 495,026.86, which, added to amount previously reported, 41,787,315.91, gives the total number of acres surveyed in this state to date 42,282,342.77.

The aggregate of special deposits made by individuals for survey of public lands during the fiscal year ending June 30, 1884, is as follows: For field work, \$2,537.98; for office work, \$250.

Accompanying this report are statements showing the contracts under the appropriation for the fiscal year and contracts chargeable to deposits, as follows:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1883, act of August 7, 1882; contracts not closed at date of last annual report.

B.—Statement of contracts entered into on account of the \$20,000 assigned to Minnesota for the fiscal year ending June 30, 1884, appropriation of \$425,000, act of March 3, 1883.

C.—Statement of contracts entered into payable from special deposits by individuals for the fiscal year ending June 30, 1884, including contracts not closed at date of last annual report.

All of which is respectfully submitted.

MARTIN S. CHANDLER,
Surveyor-General.

Hon. N. C. McFARLAND,
Commissioner of the General Land Office, Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1883 (act of August 7, 1882), contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Condition of work.
Eli W. Griffin	Sept. 25, 1882	The ninth correction line from the southeast corner of T. 65 N., R. 12 W. through R. 12, 13, 14, 15, 16, 17, 18, and 19; township lines, viz. the east and north boundaries T. 63, R. 15; the east and west boundaries T. 64, R. 15; the west boundary T. 64, R. 16; the south, west and north boundaries T. 63, R. 17, and the south and north boundaries T. 63, R. 18; also the subdivision of T. 63 and 64, R. 15; T. 64, R. 16, and T. 63, R. 17 and 18 W. of fourth principal meridian, Minnesota.	\$5,500 00	.....	Surveys completed; field notes returned to surveyor-general's office; office work delayed, waiting for explanations and corrections to be made by deputy.
George R. Stuntz	Sept. 28, 1882	The subdivision and meander lines in T. 60 and 61, R. 15, and T. 56, R. 16 W. of fourth meridian, Minnesota.	1,300 00	\$1,458 14	Surveys completed and approved; contract closed.
Jewett McPherson	Dec. 28, 1882	The south and east exterior boundaries T. 64, R. 4 and 5 W., and subdivision and meander lines in T. 64, R. 4, and T. 64 and 65, R. 5 W. of fourth meridian, Minnesota.	2,750 00	4,089 71	Do.
George F. Hamilton	Feb. 21, 1883	The tenth correction line from the correction to T. 68 and 69, R. 19 and 20 W. of fourth meridian east about 20 miles to international boundary. The exterior boundaries of T. 69 N., R. 16, 17, 18, and 19 W., and T. 70 N., R. 18 and 19 W.; also subdivision and meander lines of T. 69 N., R. 16, 17, 18, and 19, and T. 70 N., R. 18 and 19 W. of fourth meridian, Minnesota.	4,500 00	3,530 65	Do.
Thomas Ross	Apr. 20, 1883	The east exterior boundary of T. 61, R. 20, the north exterior boundary of T. 61, R. 19, 20, and 22, and the east and north exterior boundary of T. 62, R. 22 W.; also the subdivision of T. 61, R. 19; T. 60 and 61, R. 20, and T. 61 and 62, R. 22 W. of fourth meridian, Minnesota.	2,600 00	2,494 88	Do.

MARTIN S. CHANDLER,
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 26, 1884.

B.—Statement of contracts entered into by the surveyor-general of Minnesota on account of the \$20,000 assigned to Minnesota for the fiscal year ending June 30, 1884. Appropriation of \$425,000. Act of March 3, 1883.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
Charles E. Davis	Aug. 14, 1883	The north and west exterior boundaries of T. 61 N., R. 3 W., T. 62 and 63 N., R. 2 and 3 W.; and the west exterior of T. 64 N., R. 2 W., fourth meridian, Minnesota. Also the subdivision and meander lines of T. 64 N., R. 1 W., T. 62, 63, and 64 N., R. 2 W., and T. 61, 62, 63, and 64 N., R. 3 W., of fourth meridian, Minnesota.	\$6,750 00	\$5,360 75	Surveys completed and field notes returned to surveyor-general's office; plats and field notes of T. 62 and 63, R. 2, and T. 61, 62, and 63, R. 3 transmitted to General Land Office. Plats of T. 64 N., R. 1, 2, and 3 not completed.
James S. Hughes	Oct. 1, 1883	The eighth correction line through R. 7, 8, 9, 10, and 11 W.; and the east and north boundaries of T. 61 and 62 N., R. 10 and 11 W.; and the east and west boundaries of T. 63 N., 10 W., of fourth meridian, Minnesota. Also the subdivision and meander lines of T. 62 and 63 N., R. 10 and 11 W., of fourth meridian, Minnesota.	4,000 00	.....	No returns. Deputy commenced work in fall of 1883, but had to abandon it on account of sickness. Time for completion of contract extended to November 1, 1884.
A. H. Reed	Sept. 25, 1883	Island in the Mississippi River in S. 33, T. 32, N., R. 25 W. of fourth meridian, Minnesota.	15 00	18 01	Survey completed and approved; plat and field notes transmitted.
Ole Eliasson	Sept. 25, 1883	Island in Lake Elizabeth in S. 3, T. 118 N., R. 33 W., of fifth meridian Minnesota.	20 00	20 00	Do.
George F. Hamilton ...	Oct. 3, 1883	Range lines between R. 15 and 16, and 16 and 17 W., from ninth correction line, north to the international boundary, and between R. 17 and 18 W., from ninth correction line north to the tenth correction line. Township lines between T. 65 and 66, 66 and 67, and 67 and 68 in R. 16 and 17 W., of fourth meridian, Minnesota. Also the subdivision and meander lines in T. 66, 67, and 68 N., R. 16 W.; and T. 67 and 68 N., R. 17 W., of fourth meridian, Minnesota.	3,750 00	1,814 18	Surveys completed and field notes returned to surveyor-general's office; plats and field notes of town lines, and of T. 66, 67, and 68, R. 16 transmitted to General Land Office. Plats of T. 67 and 68 R., 17 W., not completed.
E. B. McCord	Oct. 8, 1883	Island in Clearwater Lake in S. 1 and 12 in T. 121 N., R. 28 W., fifth meridian, Minnesota.	20 00	.....	Survey completed; plat and field notes transmitted.
Charles L. Thompson ..	Mar. 31, 1884	Island in Pelican Lake in S. 26 in T. 130 N., R. 41 W., fifth meridian, Minnesota.	15 00	.....	Do.
B. F. Christleib	Apr. 30, 1884	Island in Lake Independence in S. 12, in T. 118 N., R. 24 W., of fifth meridian, Minnesota.	15 00	.....	No returns.
C. B. Garrison	June 11, 1884	Island in Mississippi River in S. 4, T. 36, and S. 33, T. 37 N., R. 31 W., of fourth meridian, Minnesota.	5 00	.....	Survey completed.
Day F. Stacy	June 16, 1884	The west exterior of T. 62 N., R. 17 W., and the north exterior of T. 61 N., R. 18 W., of fourth meridian, Minnesota. Also the subdivision and meander lines of T. 62, R. 12 and 17, and T. 61, R. 18 W., of fourth meridian, Minnesota.	2,000 00	.....	No returns. Deputy now in the field.
N. G. Highstrom	June 17, 1884	Island in Lake Charlotte in S. 29 and 30, in T. 118 N., R. 33 W., of fourth meridian, Minnesota.	20 00	.....	No returns.

SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 26, 1884.

MARTIN S. CHANDLER,
Surveyor-General.

PUBLIC LANDS.

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C.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from special deposits by individuals, for the fiscal year ending June 30, 1884, including contracts not closed at the date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.	Condition of work.
Jewett McPherson	June 15, 1882	The east exterior line and subdivision of T. 60, R. 16 W., fourth meridian, Minnesota.	\$767 04	\$767 04	Surveys completed and approved; contract closed.
		The east exterior line and subdivision of T. 60, R. 17 W., fourth meridian, Minnesota.	700 00	845 27	Do.
George R. Stuntz	Mar. 24, 1883	Subdivision T. 60, R. 23 W., fourth meridian, Minnesota.	475 00	638 72	Do.
Thomas Ross	Apr. 20, 1883	The northeast and west exterior boundaries and subdivision of T. 61 N., R. 21 W., fourth meridian, Minnesota.	650 00	618 37	Do.
George R. Stuntz	June 11, 1883	Subdivision of T. 64, R. 24 W., fourth meridian, Minnesota.	460 00	465 87	Do.
Oscar L. Hamery	Nov. 3, 1883	Subdivision of T. 65, R. 24 W., fourth meridian, Minnesota.	800 00	770 68	Do.
		The north and east exterior boundary and subdivision of T. 147 N., R. 38 W., fifth meridian, Minnesota.	500 00	422 51	
Day F. Stacy	June 13, 1884	Subdivision T. 61, R. 12 W., fourth meridian, Minnesota.	800 00	.....	No returns.
		North and west exterior lines and subdivisions of T. 61 N., R. 17 W., fourth meridian, Minnesota.	600 00	.....	Deputy now in the field.

SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 26, 1884.

MARTIN S. CHANDLER,
Surveyor-General.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 23, 1885.

SIR: In compliance with instructions contained in your letter E of April 9, 1885, I have the honor to submit herewith, in duplicate, my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1885, as follows:

Under the appropriation for public surveys, dated July 7, 1884, a contract was made for the survey of about 288 miles of township lines, at an estimated cost of \$3,170; also one contract for the subdivision of eight townships, at an estimated cost of \$6,500. The surveys under these contracts are not yet completed, but the deputies are now in the field prosecuting the work. A contract for the subdivision of six townships was made in April last, which was returned disapproved by you. About \$5,000, therefore, of the amount assigned to Minnesota for surveys for the fiscal year ending June 30, 1885, will not be expended, provided the estimated costs of surveys to be made under contracts approved is correct.

The number of townships surveyed since last annual report is 20.

The number of township plats made is as follows, viz: 20 original plats, 20 commissioner's plats, and 24 register's plats; total number of plats made, 64. The number of diagrams of township lines made is 12. There have also been surveyed 8 islands, and 24 plats of the same have been made.

There have been surveyed since last annual report 30 miles, 26 chains, and 85 links of standard lines; 191 miles, 4 chains, and 72 links of township lines; 14 miles, 67 chains, and 22 links of township lines resurveyed; 1,091 miles, 26 chains, and 76 links of section lines; 819 miles and 73 chains of meander lines, and 17 miles, 14 chains, and 91 links of connecting lines, making total number of miles surveyed 2,164 miles, 53 chains, and 46 links.

The total number of acres surveyed during the year is 386,132.98, to which add amount previously reported (42,282,342.77), gives total number of acres surveyed in this state to date 42,668,475.75. The aggregate of special deposits made by individuals for survey of public lands during the fiscal year ending June 30, 1885, is as follows, viz: For field-work, \$687.03, and for office work, \$100.

Accompanying this report are statements showing contracts made, as follows:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1884 (act of March 3, 1883), contracts not closed at date of last annual report.

B.—Statement of contracts entered into on account of the \$15,000 assigned to Minnesota for the fiscal year ending June 30, 1885, act of July 7, 1884.

C.—Statement of contracts entered into, payable from special deposits by individuals, for the fiscal year ending June 30, 1885, including contracts not closed at date of last annual report.

D.—Statement of contract entered into under instructions from the Commissioner of the General Land Office for surveys, payable from the appropriation of \$50,000, act of July 4, 1884, for survey of Indian reservations.

All of which is respectfully submitted.

MARTIN S. CHANDLER,
Surveyor-General.

Hon. WM. A. J. SPARKS,
Commissioner of the General Land Office, Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1884 (act of March 3, 1883), contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
Charles E. Davis.....	Aug. 14, 1883	The north and west exterior boundaries of T. 61 N., R. 3 W., T. 62 and 63 N., R. 2 and 3 W., and the west exterior of T. 64 N., R. 2 W., of fourth meridian, Minnesota; also the subdivision and meander lines of T. 64 N., R. 1 W., T. 62, 63, and 64 N., R. 2 W., and T. 61, 62, 63, and 64 N., R. 3 W., fourth meridian, Minnesota.	\$6,750 00	\$9,313 58	Surveys completed and approved; plats and field-notes transmitted.
James S. Hughes.....	Oct. 1, 1883	The eighth correction line through R. 7, 8, 9, 10, and 11 W., and the east and north boundaries of T. 61 and 62 N., R. 10 and 11 W., and the east and west boundaries of T. 63 N., R. 10 W., fourth meridian; also the subdivision and meander lines of T. 62 and 63 N., R. 10 and 11 W., fourth meridian, Minnesota.	4,000 00	5,574 56	Do.
George F. Hamilton....	Oct. 3, 1883	Range lines between R. 15 and 16 and 16 and 17 W., from ninth correction line N. to international boundary, and between R. 17 and 18 W. from ninth correction line N. to tenth correction line; township lines between T. 65 and 66, 66 and 67, and 67 and 68 N., in R. 16 and 17 W., fourth meridian, Minnesota.	3,750 00	3,882 35	Do.
B. F. Christleib.....	Apr. 30, 1884	Island in Lake Independence in Sec. 12, T. 118 N., R. 24 W., fifth meridian, Minnesota.	15 00	15 00	Do.
C. B. Garrison.....	June 11, 1884	Island in Mississippi River in Sec. 4, T. 36, and Sec. 33, T. 37 N., R. 31 W., fourth meridian, Minnesota.	5 00	5 00	Do.
Day F. Stacy.....	June 16, 1884	The west exterior T. 62 N., R. 17 W., and north exterior T. 61 N., R. 18 W., fourth meridian, Minnesota; and subdivision and meander lines of T. 62 N., R. 12 and 17 W., and T. 61 N., R. 18 W., fourth meridian, Minnesota.	2,000 00	1,854 80	Do.
N. G. Highstrom.....	June 17, 1884	Island in Lake Charlotte in Secs. 29 and 30, T. 118 N., R. 33 W., fifth meridian, Minnesota.	20 00	20 00	Do.

B.—Statement of contracts entered into by the surveyor-general of Minnesota on account of the \$15,000 assigned to Minnesota for the fiscal year ending June 30, 1885 (appropriation of \$350,000, act of July 7, 1884).

Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Amount paid.	Condition of work.
George A. Kline	Sept. 15, 1884	Range lines between R. 4 and 5, in T. 60, 61, 62, and 63 N., between R. 6 and 7 W., in T. 61, 62, and 63 N., between R. 7 and 8 W., in T. 61, 62, and 63 N., between R. 8 and 9 W., in T. 57, 58, 59, 60, 61, 60, and 63 N., between R. 9 and 10 W., in T. 57, 58, 59, and 60 N., and between R. 10 and 11 W., in T. 58, 59, and 60 N.; township lines between T. 57 and 58, in R. 8, 9, and 10 W., between T. 58 and 59 and 59 and 60 in R. 8, 9, 10, and 11 W., and between T. 61 and 62 and 62 and 63 N., in R. 4, 5, 6, 7, 8, and 9 W., of fourth meridian, Minnesota.	\$3,170 00	\$523 96	Partial returns; surveys not completed.
George W. Cooley.....	Nov. 18, 1884	Island in Lake Minnetonka, in Sec. 18, T. 117 N., R. 23 W., fifth meridian, Minnesota.	10 00	10 00	Survey completed and approved; plat and field-notes transmitted.
L. F. Brainerd.....	Dec. 5, 1884	Islands in Fox Lake, in Sec. 31 and 32, T. 103 N., and Sec. 5, T. 102 N., R. 32 W., fifth meridian, Minnesota.	12 00	12 00	Do.
N. G. Highstrom	Dec. 16, 1884	Island in Prairie Lake, in Sec. 23 T. 122 N., R. 35 W., fifth meridian, Minnesota.	10 00	10 00	Do.
Ashbel Ingerson.....	Feb. 13, 1885	Subdivision and meander lines in T. 56 N., R. 9, 10, and 11 W., T. 57 N., R. 8, 9, and 10 W., and T. 58 N., R. 7 W., fourth meridian, Minnesota.	3,500 00	.....	Contract canceled; deputy sick; see Commissioner's letter of May 6, 1885.
Jaacob A. Westby	Feb. 25, 1885	Subdivision and meander lines in T. 62 N., R. 8 and 9 W., and T. 63 N., R. 4, 5, 6, 7, 8, and 9 W., fourth meridian, Minnesota.	6,500 00	.....	No returns; deputy now in the field.
George F. Hamilton ...	April 13, 1885	Subdivision and meander lines in T. 61 and 62 N., R. 4, 5, and 6 W., of fourth meridian, Minnesota.	3,750 00	.....	Contract disapproved; see Commissioner's letter of May 6, 1885.
George A. Weir	April 17, 1885	Island in Rice Lake, in Sec. 16, T. 104 N., R. 27 W., fifth meridian, Minnesota.	5 00	5 00	Survey completed and approved; plat and field notes transmitted.

C.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from special deposits by individuals, for the fiscal year ending June 30, 1885, including contracts not closed at date of last annual report.

Name of deputy.	Date of contract.	Description of work.	Amount of deposit for field work.	Cost of survey.
Day F. Stacy	June 13, 1884	Subdivision T. 61 N., R. 12 W., fourth meridian, Minnesota. (a)	\$812 03	\$812 03
		North and west exterior lines and subdivisions T. 61 N., R. 17 W., fourth meridian, Minnesota. (b)	600 00	549 68
Oscar L. Hamery ..	Aug. 28, 1884	Subdivision T. 147 N., R. 37 W., fifth meridian, Minnesota. (b)	250 00	241 60
John W. Young ...	Apr. 30, 1885	Resurvey of part of southeast boundary of Red Lake Indian reservation, and survey of west exterior and subdivision of T. 148 N., R. 34 west of fifth meridian, Minnesota. (c)	425 00	.....

a Surveys completed and approved.

b Contract closed.

c Contract suspended (see Commissioner's letter of June 10, 1885).

D.—Statement of contract entered into by the surveyor-general of Minnesota, under instructions from the Commissioner of the General Land Office, for surveys, payable from the appropriation of \$50,000, act of July 4, 1884, for survey of Indian reservations. (a)

Name of deputy.	Date of contract.	Description of work.	Amount of liability.
Abner M. Darling. (b)	June 22, 1885.	Resurvey of south and south west boundaries of Red Lake Indian reservation; also portions of east and south boundaries of White Earth reservation, and the subdivision of twelve sections in White Earth reservation.	\$767 00

a See Commissioner's letter E, of May 28, 1885.

b Deputy now in the field.

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REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 22, 1886.

SIR: In compliance with instructions contained in your letter "E" of April 16, 1886, I have the honor to submit herewith, in duplicate, my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1886, with tabular statements, as follows:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1885, act of July 7, 1884; contract not closed at date of last annual report.

B.—Statement of contract entered into by the surveyor-general of Minnesota, under instructions from the Commissioner of the General Land Office, for surveys, payable from appropriation, act of July 4, 1884, for survey of Indian reservations. Contract not closed at date of last annual report.

The number of townships surveyed since last annual report is 8.

The number of township plats made is as follows, viz: 8 original plats, 8 commissioner's plats, and 9 register's plats; total number of plats made, 25.

The number of diagrams of township lines made is 20.

There have been surveyed since last annual report 227 miles 20 chains and 22 links of township lines; 452 miles 44 chains and 76 links of section lines; 453 miles 46 chains and 92 links of meander lines; 18 miles 10 chains and 31 links of connecting lines; 93 miles 72 chains and 70 links of Indian reservation boundary lines resurveyed, and 23 miles 3 chains and 98 links of subdivision section lines on Indian reservations; making total number of miles surveyed 1,268 miles 38 chains and 89 links.

The total number of acres surveyed during the year is 163,411.24, to which add amount previously reported (42,668,475.75), gives a total number of acres surveyed in this state to date 42,831,886.99.

All of which is respectfully submitted.

MARTIN S. CHANDLER,
Surveyor-General.

Hon. WILLIAM A. J. SPARKS,
Commissioner of the General Land Office, Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the fiscal year ending June 30, 1885, act of July 7, 1884; contract not closed at date of last annual report.

[Surveys completed and approved, and diagrams and field-notes transmitted; contract closed.]

Number of contract	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
43	G. A. Kline.....	Sept. 15, 1884	Range lines between R. 4 and 5, T. 60, 61, 62, and 63; between R. 6 and 7, T. 61, 62, and 63; between R. 7 and 8, T. 60, 61, 62, and 63; between R. 8 and 9, T. 57, 58, 59, 60, 61, 62, and 63; between R. 9 and 10, T. 57, 58, 59, and 60, and between R. 10 and 11, T. 58, 59, and 60. Township lines between T. 57 and 58, R. 8, 9, and 10; between T. 58 and 59 and 59 and 60, R. 8, 9, 10, and 11, and between T. 61 and 62 and 62 and 63, R. 4, 5, 6, 7, 8, and 9 W. of fourth meridian, Minnesota.	\$3,170	\$3,127 58
45	J. A. Westby...	Feb. 25, 1885	Subdivision and meander lines in T. 62 N., R. 8 and 9 W., and T. 63 N., R. 4, 5, 6, 7, 8, and 9 W. of fourth meridian, Minnesota.	6,500	9,092 46

B.—Statement of contract entered into by the surveyor-general of Minnesota, under instructions from the Commissioner of the General Land Office, for surveys, payable from appropriation, act of July 4, 1884, for survey of Indian reservations; contract not closed at date of last annual report.

[Surveys completed and approved; contract closed.]

Number of contract.	Name of deputy.	Date of contract.	Description of work.	Amount of liability.	Cost of survey.
48	A. M. Darling ..	June 22, 1885	Resurvey of south and southwest boundaries of Red Lake Indian reservation. Also portions of east and south boundaries of White Earth reservation, and the subdivision of twelve sections on the White Earth reservation.	\$767	\$767

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 26, 1887.

SIR: In compliance with instructions contained in your letter "E" of June 4, 1887, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1887, with tabular statements, as follows:

A.—Statement of contract entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1888.

B.—Statement of contract entered into by the surveyor-general of Minnesota under instructions from the Commissioner of the General Land Office for surveys on White Earth Indian Reservation.

No surveys have been made or ordered under the appropriation for the fiscal year ending June 30, 1887.

There are now remaining unsurveyed in Minnesota about 180 townships of public lands and 175 townships of Indian reservations. I deem it important that a large portion of the public lands in this district should be surveyed in the near future. The building of railroads in the northern and northwestern parts of the State and the opening of iron mines in the northeastern portion of the State is rapidly developing the resources of these regions, bringing in a large population and creating an increasing demand for such lands as are fit for cultivation and settlement. That the development of the country may not be retarded I consider it important that the lands should be surveyed and opened for settlement under such laws and regulations as will secure the rights of the people and the interests of the government with due protection to the actual settler. The policy of allotment of lands to Indians and the disposal of such portions of their reservations as are not needed by them will when carried into effect require extensive surveys on the Red Lake Indian Reservation and other Indian reservations in Minnesota.

All of which is respectfully submitted.

JOHN F. NORRISH,
Surveyor-General.

Hon. Wm. A. J. SPARKS,
Commissioner General Land Office.

A.—Statement of contract entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1888.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
1	George A. Ralph....	1887. April 16	North exterior line of fractional T. 149 N., R. 39 W., fifth meridian Minnesota. Subdivision of fractional T. 149 N., R. 39 W., of fifth meridian Minnesota.	\$200	No returns.

B.—Statement of contract entered into by the surveyor-general of Minnesota under instructions from the Commissioner of the General Land Office for surveys on the White Earth Indian Reservation

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
2	William W. Ward..	1887. May 10	Resurvey of 28 miles of the southern boundary of the White Earth Indian Reservation. Subdivision into 40-acre tracts (for allotment to Indians) of T. 145 and 146 N., R. 4 th W., of fifth principal meridian Minnesota.	\$2,436 -----	Deputy now in the field. No returns.

REPORT OF SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
Saint Paul, Minn., July 24, 1888.

In compliance with instructions contained in your letter E of May 1, 1888, I have the honor to submit in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1888, with tabular statements as follows:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1888.

B.—Statement of contract entered into by the surveyor-general of Minnesota under instructions from the Commissioner of the General Land Office for surveys on White Earth Indian Reservation. Contract not closed at date of last annual report.

Three fractional townships and four islands have been surveyed since last annual report, and two townships on White Earth Indian Reservation have been subdivided into 40-acre tracts. The number of township plats made is 15. The number of miles surveyed during the year is as follows:

	Measurement.		
	<i>Miles.</i>	<i>Chs.</i>	<i>Lks.</i>
Section lines surveyed	41	9	36
Meander lines surveyed	2	78	69
Connecting lines surveyed	5	76	67
Lines for subdivision of sections surveyed	199	56	16
Standard lines resurveyed	26	14	90
Township lines resurveyed	42	28	63
Section lines resurveyed	114	21	82
Total number of miles surveyed and resurveyed	432	46	23

The total number of acres surveyed during the year is 16,709.25, which, added to the amount previously reported (42,831,886.19), gives total number of acres surveyed in this State to date 42,848,595.44.

The Northern Pacific Railroad Company made deposit June 23, 1888, for cost of survey of land selected under their grant, as follows: For field work, \$220.71; for office work, \$42.06. Duplicate certificates of the above were transmitted June 28, 1888.

The demand for public surveys by actual settlers has greatly increased during the past year. A large number of settlers are reported to have located upon the unsurveyed lands lying northwest of the Red Lake Indian Reservation, and a petition signed by thirty of said settlers representing improvements valued at \$18,000 has been received by me, asking for the survey of said lands. A large number of the residents of the counties in which these lands are located have also petitioned for the survey of the same. A large proportion of these lands are reported to be valuable for agricultural purposes, and if surveyed would soon be all settled upon and improved.

In the northeastern portion of the State, in the vicinity of Vermillion lake, in consequence of the rapid development of the iron interests and the large growth of such towns as Tower and Ely, there is an increasing demand for lands for settlement; and applications from persons claiming to be bona fide settlers have been received during the year past asking for the survey of about twenty townships. Some of these settlers state that they have been living on their claims more than four years. In some of these towns it is stated that there are over forty settlers. I consider it very desirable that these surveys should be made as early as practicable, and would request that I may be authorized to survey during the present fiscal year such townships as are occupied by any considerable number of settlers.

All of which is respectfully submitted.

JOHN F. NORRISH,
Surveyor-General.

Hon. S. M. STOCKSLAGER,
*Commissioner General Land Office,
 Washington, D. C.*

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1888.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
1	George A. Ralph..	1887. Apr. 16	North exterior line of fractional T. 149 N., R. 39 W. of fifth meridian, Minnesota; subdivision of fractional T. 149 N., R. 39 W. of fifth meridian, Minnesota.	\$200.00	\$139.80	Survey completed. Accepted.
3	do	July 23	Subdivision of fractional T. 148 N., R. 38 W. of fifth meridian, Minnesota.	40.00	38.03	Do.
(*)	J. B. Salisbury	July 28	Three islands in Lake Koronis, in sections 29 and 32 in T. 122 N., R. 32 W. of the fifth meridian, Minnesota.	30.00	30.00	Do.
(*)	A. C. Libby	1885. Aug. 28†	Island in the Mississippi river, in section 17, T. 28 N., R. 23 W. of the fourth meridian, Minnesota.	10.00	10.00	Survey completed.
4	George A. Ralph..	1888. Feb. 25	Subdivision of fractional T. 153 N., R. 42 W. of fifth meridian, Minnesota.	55.00	56.98	Do.

* Special instructions.

† Survey authorized April 12, 1888.

B.—Statement of contract entered into by the surveyor-general of Minnesota, under instructions from the Commissioner of the General Land Office, for surveys on White Earth Indian Reservation. Contract not closed at date of last annual report.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
2	Wm. W. Ward....	1887. May 10	Resurvey of 28 miles of the southern boundary of the White Earth Indian Reservation. Subdivision into 40-acre tracts (for allotment to Indians) of T. 145 and 146 N., R. 40 W. of the fifth principal meridian, Minnesota.	\$420.00 2,016.00	\$392.79 2,016.00	} Surveys completed.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 27, 1889

SIR: In compliance with instructions contained in your letter "E" of April 29, 1889, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1889, with the following tabular statement.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1889.

The survey of nine small islands has been made during the year, the field-notes of which have been approved and the surveys accepted and the plats of the same transmitted to the proper local land offices. For the survey of these islands there were run 2 miles 47 chains and 12 links of connecting lines, and 2 miles 62 chains and 77 links of meander lines.

The number of acres surveyed is 29.85, which, added to the amount previously reported (42,848,595.14), gives the total number of acres surveyed in this State to date 42,848,625.29.

The number of township plats made is eleven.

No returns have been received from J. B. Salisbury, deputy surveyor, who has the contract for the survey of six townships in Kittson county, in the northwestern part of the State. He reports progress and has completed the survey of about three townships.

The Northern Pacific Railroad Company made deposit July 16 and September 22, 1888, for cost of survey of land selected under their grant, as follows: For field work, \$4.85, and for office work, 80 cents. Duplicate certificates of above were transmitted July 18 and September 25, 1888.

The settlers on unsurveyed lands in the northern part of this State have continued during the past year to urge their requests for the survey of the townships in which they are located. Most of these townships are covered with timber or forests, a large proportion of which has no commercial value, but the land when cleared is reported to be valuable for agricultural purposes. I am satisfied from the best and most reliable information I can obtain that the survey of a large number of townships in northern Minnesota is needed for the benefit of actual settlers, and that such surveys would advance the settlement of the country and materially aid in the development of the resources of this State.

All of which is respectfully submitted.

JOHN F. NORRISH,
Surveyor-General.

Hon. W. M. STONE,
*Acting Commissioner General Land Office,
Washington, D. C.*

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1889.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
*	N. G. Highstrom	July 18, 1888	Island in Cedar Island lake, in section 17, T. 121 N., R. 34 W., 5th meridian, Minnesota.†	\$15.00	\$15.00
*	A. H. Reed	Aug. 2, 1888	Island in Lake George, in section 16, T. 33 N., R. 24 W., 4th meridian Minnesota.†	15.00	15.00
*	R. H. Chapman ...	Nov. 21, 1888	Island in Artichoke lake, in section 11, T. 122 N., R. 44 W., 5th meridian, Minnesota.†	20.00	20.00
5	J. B. Salisbury....	Mar. 21, 1889	The 15th standard parallel from the corner to T. 161 N., Rs. 42 and 43 W., east, 24 miles to the corner to T. 161 N., Rs. 38 and 39 W. The 5th guide meridian from the corner to T. 161 N., Rs. 38 and 39 W., north, to the international boundary line. The west and north exterior township lines of Tps. 161 and 162 N., in Rs. 39, 40 and 41 W., and the west and north exterior lines of T. 163 N., R. 39 W., 5th meridian. Subdivisions of Tps. 161, 162 and 163 N., R. 39 W.; Tps. 161 and 162 N., R. 40 W., and T. 162 N., R. 41 W. of the 5th meridian, Minnesota.‡ (Special instructions dated July 5 1889, directs Mr. Salisbury to omit the survey of T. 161 N., R. 39 W., and that part of Tps. 162 and 163 N., R. 39 W., lying in the Great Rosseau swamp, and in lieu thereof to survey T. 161 N., R. 41 W., and that part of T. 163 N., Rs. 40 and 41 W., lying south of said swamp.)	2,750.00	
*	J. H. Williams	Mar. 25, 1889	Island in Lake Fremont, in section 9, T. 34 N., R. 25 W., 4th meridian, Minnesota.‡	15.00	15.00
*	Henry H. Newbery.	Apr. 18, 1889	Five islands in Chisago lake, in sections 27 and 34, in T. 34 N., R. 20 W., 4th meridian, Minnesota.‡	25.00	25.00

* Special instructions.

† Survey completed; accepted.

‡ Deputy now in the field; no returns.

‡ Survey completed; no returns.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,
St. Paul, Minn., July 11, 1890.

In compliance with instructions contained in your letter E of April 23, 1890, I have the honor to submit herewith, in duplicate, my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1890, with the following tabular statements:

A.—Statement of contract entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year, ending June 30, 1889. Contract not closed at date of last annual report.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1890.

There have been surveyed during the year nine townships or fractional townships and five islands, the field notes of which have been approved and the surveys accepted, and triplicate plats of the same transmitted to the proper local land offices. Contracts have been entered into for the survey of six other townships, of which the surveys of four townships are reported as completed, the field notes not having been returned to this office.

The number of miles run and marked in the field during the year is as follows:

	Measurements.		
	Miles.	Chs.	Lks.
Standard and meridian lines.....	55	38	30
Township lines.....	88	76	34
Section lines.....	381	08	77
Connecting lines.....	1	73	69
Meander lines.....	7	16	83
Total.....	534	53	93

The number of acres surveyed is 143,390.49, which, added to the amount previously reported (42,848,625.29), gives the total number of acres surveyed in this State to date 42,992,015.78. The number of township plats made is 27. Applications which are being received at this office from settlers on unsurveyed lands, asking for the survey of the townships in which they are located, indicate an increased demand for surveys during the present fiscal year.

All of which is respectfully submitted.

JOHN F. NORRISH,
Surveyor-General.

COMMISSIONER OF GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1889. (Contract not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
5	J. B. Salisbury	1889. Mar. 21	The fifteenth standard parallel, from the corner to T. 161 N., Rs. 42 and 43 W., east 24 miles to the corner to T. 161 N., Rs. 38 and 39 W. The fifth guide meridian, from the corner to T. 161 N., Rs. 38 and 39 W., north to the international boundary line. The west and north exterior township lines of Ts. 161 and 162 N., Rs. 39, 40, and 41 W., and the west and north exterior township line of T. 163 N., R. 39 W. Subdivisions of Ts. 161, 162, and 163 N., R. 39 W.; Ts. 161 and 162 N., R. 40 W.; and T. 162 N., R. 41 W. of the fifth principal meridian, Minnesota.* (Special instructions, dated July 5, 1889, directs deputy to omit the survey of T. 161 N., R. 39 W., and that part of Ts. 162 and 163 N., R. 39, lying in the Great Hosenan swamp, and in lieu thereof to survey T. 161, R. 41 W., and that part of T. 163, Rs. 40 and 41 W., lying south of said swamp.)	\$2,750.00	\$2,654.33

* Surveys completed and accepted.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1890.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
(*)	Ernest E. Coley	1889. Aug. 6	Island in Itasca lake, in sec. 11, T. 143, R. 36, fifth meridian.†	\$10.00	.....
6	George F. Hamilton ..	Oct. 15	East and west exterior lines of T. 64, R. 13, and N. exterior T. 63, R. 14; subdivision T. 64, R. 13, and T. 63, R. 14, W., fourth meridian.‡	1,800.00	.....
7	Alvin C. Bailey	Nov. 12	Fourth guide meridian through Ts. 149 and 150 N. between Rs. 31 and 32, and north and south exterior lines T. 150 N., R. 32 W., subdivision fractional T. 150 N., R. 32 W., fifth meridian.§	450.00	\$382.69
(*)	John Abercrombie ...	Nov. 14	Island in Red Rock lake, in secs. 32 and 33, T. 128, R. 40 W., fifth meridian.§	12.00	12.00
(*)	J. E. Egan	1890. Jan. 6	Three islands in Pelican lake, in secs. 1 and 6, T. 120, Rs. 24 and 25, and secs. 31 and 36, T. 121, Rs. 24 and 25 W., fifth meridian.§	50.00	50.00
8	Jacob A. Westby	Mar. 14	East and west exterior lines of T. 64, R. 13, and north exterior T. 63, R. 14; subdivision T. 64, R. 13, and T. 63, R. 14, W., fourth meridian.||	1,800.00	.....
9	do	do	Subdivision T. 60 N., R. 19 W., fourth meridian.||	550.00	.....
10	E. W. & E. M. Griffin.	Apr. 9	Subdivision T. 60 N., R. 24 W., fourth meridian.||	800.00	.....
(*)	M. B. Haynes	Apr. 22	Island in Swan Lake, in Secs. 23, 24, 25, and 26, T. 110 N., R. 39 W., fifth meridian.¶	30.00	30.00
11	John B. Hawley and Jacob A. Westby.	June 12	West exterior line of T. 64 N., R. 17 W., and subdivision of T. 64, R. 12 W., and T. 64 N., R. 17 W., fourth meridian.||	1,450.00	.....

* Special instructions.

† No survey; deputy has left the State.

‡ Deputy failed to execute survey; work relet. See contract No. 8.

§ Survey completed and accepted.

|| No returns.

¶ Survey completed.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 31, 1891.

SIR: In compliance with instructions contained in your letter E of April 18, 1891, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1891, with the following tabular statements:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1890 (contracts not closed at date of last annual report).

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1891.

C.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian lands, payable from the appropriation for the survey of the Chippewa Indian Reservation.

There have been surveyed during the year 23 townships or fractional townships, the field-notes of which have been examined, the plats made, and transcripts of field-notes nearly completed. Six townships have been surveyed and the field-notes returned to this office, but not examined. Nineteen other townships are reported to have been surveyed of which no returns have been received.

The number of miles run and marked in the field during the year, the field-notes of which have been examined, is as follows:

	Measurements.		
	<i>Miles.</i>	<i>Chs.</i>	<i>Lks.</i>
Boundary lines of diminished Red Lake Indian reservation	122	42	66
Standard and meridian lines	52	63	83
Standard and meridian lines resurveyed.....	59	58	87
Township lines	244	75	35
Township lines resurveyed.....	72	79	45
Section lines.....	964	05	73
Section lines resurveyed.....	235	31	23
Lines for subdivisions of sections.....	545	74	09
Connecting lines.....	6	02	42
Meander lines.....	305	14	80
Total.....	2,609	48	43

The number of acres surveyed is 337,071.66, which, added to the amount previously reported, 42,992,015.78, gives the total number of acres surveyed in this State to date 43,329,087.44.

The number of township plats made is 68. The development of the iron interests and the construction of new lines of railroad is causing a large immigration into the northern portion of this State, and a large number of settlers are this year going upon the unsurveyed lands who are anxious for a speedy survey of the towns in which they are located.

Applications have already been received for the survey of twenty-one townships of public lands, which will more than exhaust the amount assigned to Minnesota for surveys during the present fiscal year. Settlers are known to be located in several other townships who will soon apply for surveys. There is evidently a demand for increased appropriations for the surveying service in this State.

All of which is respectfully submitted.

JAMES COMPTON,
Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1890. (Contracts not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
8	Jacob A. Westby	1890. Mar. 14	East and west exterior lines of T. 64 N., R. 13 W., and north exterior T. 63 N., R. 14 W.; subdivisions T. 64 N., R. 13 W., and T. 63 N., R. 14 W., fourth meridian, Minnesota.	\$1,800.00	\$2,085.75
9	.....do	Mar. 14	Subdivision T. 60 N., R. 19 W., fourth meridian.*	550.00	585.00
10	E. W. & E. M. Griffin.	Apr. 9	Subdivision T. 60 N., R. 24 W., fourth meridian.†	800.00	.....
11	John B. Hawley and J. A. Westby.	June 12	West exterior line of T. 64 N., R. 17 W., and subdivision of T. 64 N., R. 12 W., and T. 64 N., R. 17 W., fourth meridian.*	1,450.00	1,455.80

*Survey completed and accepted.

†Survey made. Not approved by surveyor-general.

B.—Contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1891.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
Special instructions.	Alvin C. Bailey	1890. Sept. 15	Schoolcraft Island in Lake Itasca in sec. 1, T. 143 N., R. 36 W.*	\$20.00
15	John B. Hawley and John Goodnow.	Sept. 17	Township line between T. 148 N., Rs. 34 and 35 W., north to reservation line. Subdivisions of fractional T. 148 N., Rs. 34 and 35 W., fifth meridian south of Red Lake Indian Reservation.†	225.00
21	Omar H. Case	Oct. 18	East exterior T. 149 N., R. 33 W. The east and north exterior Ts. 149, 150, and 151 N., R. 31 W., and subdivisions of fractional T. 149 N., Rs. 32 and 33 W., and T. 151 N., Rs. 31 and 32 W., fifth meridian east of reservation boundary.†	1,500.00
22	Alvah A. Crampton...	Oct. 28	Rangle line between Rs. 18 and 19 W., through Ts. 65, 66, 67, and 68 N. The south exterior Ts. 67 and 68 N., R. 18 W. and 66 N., R. 19 W., and the north and south exteriors, T. 67 N., R. 19 W., and the west and north exteriors of T. 67 N., R. 20 W., and subdivisions Ts. 67 and 68 N., R. 18 W., Ts. 66 and 67 N., R. 19 W., and T. 67 N., R. 20 W., fourth meridian.‡	4,000.00
24	George R. Stuntz	Dec. 3	The south exterior T. 66 N., R. 19 W., and subdivisions of Ts. 59 and 60 N., R. 11 W., and T. 66 N., Rs. 17 and 18 W., and T. 65 N., R. 19 W., fourth meridian.§	3,000.00
27	George A. Ralph	1891. Apr. 30	Subdivision fractional T. 52 N., R. 41 W., fifth meridian, west of Red Lake Indian Reservation boundary.¶	15.00
28	A. D. F. Gardner	May 28	The west exterior of T. 63 N., R. 20 W. The south and west exterior of T. 63 N., R. 20 W., and the south, west, and north exterior of T. 67 N., R. 21 W. The subdivision T. 63 N., R. 20 W., and T. 67 N., R. 21 W., fourth meridian.§	1,300.00

*Survey completed and accepted. †No returns. ‡Survey completed, partial returns. § Deputy now in the field; no returns. ¶ Survey completed and field-notes returned.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF THE UNITED STATES SURVEYOR-GENERAL,
St. Paul, July 1, 1892.

SIR: In compliance with instructions contained in your letter "E," dated April 22, 1892, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1892, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1891. (Not closed at date of last annual report.)

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriations for the survey of the Chippewa Indian Reservation. (Not closed at date of last annual report.)

C. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1892.

D. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriation for the survey of the Chippewa Indian Reservation during the fiscal year ending June 30, 1892.

There have been surveyed during the year forty-nine townships or fractional townships, the field notes of which have been examined, the plats made, and transcripts of field notes completed. Fourteen townships have been surveyed and the field notes returned to this office, but not fully examined. The surveys of thirty other townships are reported to have been completed, of which no returns have been received.

The number of miles run and marked in the field during the year, the field notes of which have been examined, is as follows:

	Measurements.		
	<i>Miles.</i>	<i>chs.</i>	<i>links.</i>
Standard and meridian lines	36	57	64
Standard and meridian lines resurveyed	21	55	68
Township lines	219	40	64
Township lines resurveyed	23	45	62
Section lines	1898	33	34
Section lines resurveyed	14	73	59
Lines for subdivisions of sections	633	34	56
Meander lines	404	14	69
Connecting lines	21	13	23
Total	3,273	48	99

The number of acres surveyed during the year is 722,431.64, which, added to the amount previously reported, viz, 43,329,087.44, gives the total number of acres surveyed in this State to date, 44,051,519.08.

The number of township plats made is 137.

The number of diagrams of exterior lines made is 27.

There have been prepared during the year 27.

Contracts with deputy surveyors, with full special instructions and diagrams of exterior lines.

These have been prepared for the use of deputy surveyors in the field plats and field notes of exterior lines of 60 townships.

It will be seen from this report that there has been a very large increase in the amount of surveying done in this district during the year over that of the previous year, and a corresponding increase in the office work required to be done.

Besides the surveys of the Indian reservations there has been a large increase in the amount of public-land surveys. There have been returned to this office the field notes of 8 townships of public lands, the plats and field notes of which have not been prepared. Contracts are now let for 17 townships, the surveys of which are now being made, and the field notes will soon be returned. Nine other townships are now authorized to be surveyed, and settlers are known to be located in at least 12 other townships, who are intending soon to make application for surveys.

There will necessarily be a large increase in the office work required to be done during the next fiscal year, and unless there is an increase in the appropriation for salaries of clerks in this office there will be a large amount of work in arrears at the close of the next fiscal year.

All of which is respectfully submitted.

JAMES COMPTON,
Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1891. (Not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
15	John B. Hawley and John Goodnow.	1890. Sept. 15	Township line between T. 148 N., Rs. 34 and 35 W., north to reservation line. Subdivisions of fractional T. 148 N., Rs. 34 and 35 W., fifth meridian south of Red Lake Indian Reservation. <i>a</i>	\$225.00	\$153.88
21	Omar H. Case.....	Oct. 18	The east exterior of T. 149 N., R. 33 W. The east and north exteriors of Ts. 149, 150, and 151 N., R. 31 W. Subdivisions of fractional T. 149 N., Rs. 32 and 33 W., and T. 151 N., Rs. 31 and 32 W., fifth meridian east of reservation boundary. <i>b</i>	1,500.00	
22	Alvah A. Crampton ..	Oct. 23	Range line between Rs. 18 and 19 W. through Ts. 65, 66, 67, and 68 N. The south exterior Ts. 67 and 68 N., R. 18 W., and 66 N., R. 19 W., and the north and south exterior T. 67 N., R. 19 W., and the west and north exterior of T. 66 N., R. 20 W. Subdivisions Ts. 67 and 68 N., R. 18 W., Ts. 66 and 67 N., R. 19 W., and T. 67 N., R. 20 W., fourth meridian. <i>c</i>	4,000.00	
24	Geo. R. Stunts	Dec. 3	The south exterior T. 66 N., R. 19 W. Subdivisions of Ts. 59 and 60 N., R. 11 W., and T. 66 N., R. 17 and 15 W., and T. 65 N., R. 19 W., fourth meridian. <i>d</i>	3,000.00	
27	Geo. A. Ralph.....	1891. Apr. 30	Subdivision of fractional T. 152 N., R. 41 W., fifth meridian west of Red Lake Indian Reservation. <i>e</i>	15.00	25.49
27	A. D. F. Gardner.....	May 23	The west exterior of T. 62 N., R. 20 W., and southwest exterior of T. 63 N., R. 20 W., and S. W., and north exterior of T. 67 N., R. 21 W. Subdivisions of T. 63 N., R. 20 W., and T. 67 N., R. 21 W., fourth meridian. <i>f</i>	1,300.00	

a Survey completed and accepted. Contract closed.

b Field notes returned, not accepted.

c Field notes returned, not accepted. Deputy has been in the field correcting errors. Field notes of corrections not returned.

d Field notes returned, not approved. Deputy now in the field correcting errors in survey.

e Survey completed. Plat and field notes transmitted.

f Field notes of T. 63 N., R. 20 W. returned.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriations for the survey of the Chippewa Indian Reservation. (Not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
14	George A. Burbank...	1890. Sept. 15	The exterior boundaries of Diminished Red Lake Indian Reservation. ^a	\$1,500.00	\$1,488.24
16	John B. Hawley and John Goodnow.	Sept. 17	The east exterior of T. 148 N., Rs. 35, 36, 37, and 38 W. and the line between Ts. 147 and 148 N., Rs. 37 and 38 W., within the Red Lake Indian Reservation. The subdivisions of T. 148 N., Rs. 36 and 37 W., and that part of T. 147 N., Rs. 37 and 38 W., and T. 148 N., Rs. 34, 35, and 38 W., lying within said reservation, including the subdivision of pine lands into 40-acre tracts. Also subdivision of pine lands into 40-acre tracts in fractional T. 147 N., Rs. 35 and 36 W., and T. 148 N., Rs. 33 and 39 W., within said reservation. ^a	7,500.00	6,194.44
17	Omar H. Case.....	Sept. 27	The exterior lines and subdivisions of T. 149 N., R. 34 W., T. 150 N., R. 33 W., and T. 151 N., Rs. 32 and 33 W., and that part of T. 149 N., Rs. 32 and 33 W., T. 151 N., R. 32 W., and T. 151 N., R. 31 W., within the Red Lake Indian Reservation. Except the twelfth standard parallel and fourth guide meridian through T. 151 N., and except the west exterior of T. 149 N., R. 34 W. The pine lands outside of the Diminished Red Lake Indian Reservation to be subdivided into 40-acre tracts. ^b	6,000.00	
18	Vernon M. Smith.....	Sept. 27	All exterior lines (except twelfth standard parallel and fifth guide meridian) and the subdivisions in T. 149 N., Rs. 35, 36, 37, and 38 W., and T. 150 N., Rs. 37 and 38 W., fifth meridian. Also the subdivision into 40-acre tracts of the pine lands in said townships. ^a	6,500.00	5,556.47
19	Thos. H. Crosswell.....	Sept. 30	All exterior lines (except the fifth guide meridian) and all the subdivisions in T. 150 N., R. 39 W., and T. 151 N., R. 39 and 40 W., and that part of T. 149 N., R. 39 W., and T. 150 N., R. 40 W. and T. 151 N., R. 41 W., within the Red Lake Indian Reservation. Also the subdivisions into 40-acre tracts of the pine lands in said townships. ^a	4,500.00	2,064.44
20	Nathan Butler and Geo. A. Burbank.	Sept. 30	The fourth guide meridian between Rs. 31 and 32 through Ts. 151, 152, and 153 N. The thirteenth standard parallel from the corner to T. 153 N., Rs. 38 and 39 W. East to the eastern boundary of the Red Lake Indian Reservation. The West exteriors of T. 152 N., R. 30 and 32 W., the N. and W. exteriors of T. 153 N., Rs. 30, 31, and 32 within the Red Lake Indian Reservation. The subdivisions of Ts. 152 and 153 N., Rs. 30, 31, and 32 W., within said reservation. Also the subdivisions into 40-acre tracts of the pine lands outside of the diminished Red Lake Indian Reservation. ^c	4,500.00	

^a Surveys completed and accepted.

^b Surveys completed and field notes returned not completed.

^c Surveys completed and field notes returned except T. 152, Rs. 30 and 31. Surveys of meridian and standard lines and T. 153, Rs. 30, 31, and 32 accepted.

B.—Statement of contracts entered into by the surveyor-general of Minnesota, etc.—
Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
25	Vernon M. Smith and Thos. H. Crowell.	1891. 1891. Feb. 18	The north exterior of T. 150 N., R. 34 W. The north and east exterior of T. 150 N., Rs. 35 and 36, and T. 151 N., Rs. 37 and 38 W., and the east exterior of fractional T. 151 N., Rs. 35 and 36 W. Also the subdivision in T. 150 N., Rs. 34, 35, and 36 W. and T. 151 N., Rs. 34, 35, 36, 37, and 38 W., fifth meridian. Also the subdivision of the pine lands into 40-acre tracts outside of the Diminished Reservation. ^a	5,500.00	
26	Geo. A. Ralph.....	April 3	The west exterior and subdivisions in T. 152 N., Rs. 39, 40 and 41 W., within the Red Lake Indian Reservation. Also the subdivision of the pine lands outside of the Diminished Reservation into 40-acre tracts. ^b	2,400.00	1,667.25

^a Surveys completed and field notes returned. Office work nearly completed.

^b Surveys completed and plats and field notes transmitted.

C.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1892.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
1	Lyman Arms.....	1891. July 31	The thirteenth standard parallel from corner to T. 153 N., Rs. 28, 29 W. West to intersection with the eastern boundary of the Red Lake Indian Reservation. Range lines between Rs. 28 and 29 and between Rs. 29 and 30 through Ts. 149, 150, 151, and 152 N. The south exterior boundary of T. 152 N., R. 29 W. The south and north exterior boundary of T. 151 N., R. 30 W., and that part of the west exterior boundary of T. 152 N., R. 30 W., lying outside of the Red Lake Indian Reservation; also all the subdivision and meander lines in T. 152 N., R. 29 W., T. 152 N., R. 30 W., and in that part of T. 152 N., Rs. 30 and 31 W., not embraced within the Red Lake Indian Reservation. ^a	\$2,150.00	
2	Wesley F. Marsh.....	July 31	The west exterior boundary of T. 68 N., R. 20 W., and all the subdivision and meander lines in T. 68 N., R. 20 W., and T. 61 N., Rs. 23, 24, and 25 W., fourth meridian, Minnesota. ^b	2,500.00	
3	Vernon M. Smith.....	Aug. 6	The subdivision of T. 65 N., R. 25 W., fourth meridian, Minnesota. ^c	450.00	\$454.00
4	.....do.....	Aug. 6	The subdivision of T. 65 N., R. 26 W., fourth meridian, Minnesota. ^c	700.00	703.65

^a Surveys completed and field notes returned.

^b Surveys of T. 68, R. 20, and T. 61, R. 25 completed and field notes returned; deputy now in the field.

^c Survey completed and accepted.

C.—Statement of contracts entered into by the surveyor-general of Minnesota, etc.—
Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
5	George A. Ralph.....	1892. Aug. 10	The north and east exterior lines and subdivisions of unsurveyed part of T. 163 N., R. 41 W., and east and west exterior lines and subdivision of fractional T. 164 N., R. 41 W. The north and south exterior lines of T. 162 N., R. 42 W., and the west and north exterior lines of T. 163 N., R. 42 W.; also the subdivision of T. 161 N., R. 39 W., and Ts. 161, 162, and 163 N., R. 42 W., fifth meridian, Minnesota. <i>a</i>	\$1,800.00	\$1,799.97
6	Choate A. Bartlett...	Aug. 19	Subdivision T. 56 N., Rs. 9, 10, and 11 W., fourth meridian, Minnesota. <i>b</i>	1,400.00	
Special instructions.	Alvin H. Wilcox and Walter A. Hayden.	Oct. 27	Part of T. 155 N., R. 42 W., fifth meridian, situate west of Thief River. <i>c</i>	40.00	
13	Bernard Keegan.....	Oct. 29	The subdivision of T. 59 N., R. 8 W., and Ts. 60 N., Rs. 9 and 10 W., fourth meridian. <i>d</i>	1,650.00	
14	Judson A. Stanton....	Nov. 24	The southwest and north exterior boundaries of T. 67 N., R. 22 W., and east and west exterior boundaries of T. 68 N., R. 22 W., and the subdivisions of Ts. 67 and 68 N., R. 22 W., fourth meridian, Minnesota. <i>e</i>	1,175.00	
19	Vine D. Simar.....	1892. Mar. 30	The subdivision of that part of T. 157 N., R. 27 W., and T. 158 N., Rs. 25 and 26 W., fifth meridian, situate outside of the Red Lake Indian Reservation. <i>e</i>	400.00	
22	Geo. A. Ralph and R. N. Kittelson.	Apr. 6	The north exterior boundary of T. 157 N., R. 41 W., and west and north exterior of T. 158 N., R. 40 W., outside of Red Lake Indian Reservation; and west and north exterior boundary of T. 158 N., R. 41 W.; also the subdivision of T. 158 N., R. 40 W., and Ts. 157 and 158 N., R. 41 W., fifth meridian, lying outside of the Red Lake Indian Reservation. <i>f</i>	800.00	
25	Thos. H. Croswell and Henry J. G. Croswell.	May 22	The south exterior boundary and that part of west boundary of T. 64 N., R. 22 W., outside of the Bois Forte Indian Reservation. The east and west boundary of T. 66 N., R. 22 W., outside of said reservation, and the north exterior boundary and that part of the south boundary of T. 66 N., R. 23 W., situate outside of said reservation; also the subdivision of that part of T. 64 N., Rs. 22 and 23 W., and T. 65 N., R. 23 W., and T. 66 N., Rs. 21, 22, and 23 W., fourth meridian, situate outside of said Bois Forte Indian Reservation. <i>f</i>	1,420.00	
27	Henry J. G. Croswell.	June 24	The east, west, and north exterior boundaries and subdivisions of T. 65 N., R. 14 W., fourth meridian, Minnesota.	900.00	

a Surveys completed and field notes returned; plats and field notes transmitted.

b Surveys completed and field notes returned. Mr. Bartlett died December 19, 1891. Surveys were finished.—Chas. L. Chase, compassman.

c No returns.

d Partial returns; deputy now in the field.

e No returns; deputy now in the field.

f No returns.

D.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriations for the survey of the Chipewewa Indian reservations during the fiscal year ending June 30, 1892.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
7	Abner M. Darling.....	1891. Aug. 21	The fourth guide meridian from north shore of Upper Red Lake north, between Rs. 31 and 32, to the fourteenth standard parallel. The fourteenth standard parallel from the corner to T. 157 N., Rs. 31 and 32 E. to the eastern boundary of the Red Lake Indian Reservation; also the east and north exterior boundaries and subdivision lines in Ts. 154 and 155 N., Rs. 30 and 31 W., fifth meridian, Minnesota; and the subdivision into 40-acre tracts of pine lands in said townships. <i>a</i>	\$3,000.00
8	Platt B. Walker	Sept. 25	The fifth guide meridian from the thirteenth to the fourteenth standard parallel; the fourteenth standard parallel from the corner to T. 156 N., Rs. 38 and 39 W., to the western boundary of the Red Lake Indian Reservation; also the north and exterior boundaries and subdivisions in Ts. 153 and 154 N., R. 38 W., fourth meridian, Minnesota. <i>b</i>	1,500.00
9	Warren H. Knowlton.	Sept. 28	The exterior boundary lines and subdivisions of Ts. 153 and 154 N., Rs. 39, 40, and 41 W., T. 154 N., R. 42 W., and that part of Ts. 152 and 153 N., R. 42 W., and Ts. 153 and 154 N., R. 43 W., situate within the Red Lake Indian Reservation. <i>b</i>	5,000.00
10	Alvin H. Wilcox and Walter A. Hayden.	Sept. 30	The east and north boundaries of T. 155 N., R. 39 W.; the east boundary of T. 156 N., R. 39 W.; the west and north boundaries of T. 155 N., Rs. 40 and 41 W.; the west boundaries of T. 156 N., Rs. 40 and 41 W.; the west and north boundaries of T. 155 N., R. 42 W., situate within the Red Lake Indian Reservation; also the subdivision of Ts. 155 and 156 N., Rs. 39, 40, and 41 W., and that part of T. 155 N., Rs. 42 and 43 W., and T. 156 N., R. 42 W., situate within the Red Lake Indian Reservation; also, the subdivision into 40-acre tracts of pine land in said townships. <i>c</i>	4,000.00
11	George A. Ralph.....	Oct. 20	The fourteenth standard parallel from the corner to T. 157 N., Rs. 31 and 32 W., 42 miles to the corner to T. 157 N., Rs. 38 and 39 W.; the Red Lake guide meridian between Rs. 35 and 36 from the thirteenth standard parallel north to the fourteenth standard parallel. <i>d</i>	862.50
12	Vernon M. Smith and Thos. H. Crosswell.	Oct. 22	The east and north exterior boundaries of Ts. 153 and 154 N., R. 37 W.; the north exterior boundaries of Ts. 153 and 154 N., R. 36 W.; the north, east, and south exterior boundaries of T. 154 N., R. 34 W., and the W. exterior of T. 154 N., R. 33 W.; also the subdivisions in that part of fractional T. 153 N., R. 34 W., situate west of the Red Lake, and subdivisions of T. 153 N., Rs. 35, 36, and 37 W., and T. 154 N., Rs. 33, 34, 35, 36, and 37 W., fifth meridian, Minnesota. <i>e</i>	4,000.00
15	Geo. A. Ralph and R. N. Kittelson.	1892. Jan. 18	The fifth guide meridian from the thirteenth standard parallel north, between Rs. 39 and 40 W., to the fourteenth standard parallel; the fourteenth standard parallel, from the corner to T. 157 N., Rs. 38 and 39 W., to the western boundary of the Red Lake Indian Reservation; also the west, north, and east exterior boundaries and the subdivisions of Ts. 153 and 154 N., R. 38 W., fifth meridian, Minnesota. <i>e</i>	1,500.00

a Surveys completed and field notes returned.

b Contract canceled.

c No returns. Deputies now in the field.

d No returns. Surveys reported to be nearly completed.

e No returns. Surveys reported to be completed.

D.—Statement of contracts entered into by the surveyor-general of Minnesota, etc.—
Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
16	Abner M. Darling and Chas. H. Ward.	1892. Feb. 3	The east exterior boundaries of T. 156 N., Rs. 30 and 31 W., and the subdivisions of said T. 156 N., Rs. 30 and 31 W., fifth meridian, Minnesota; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>a</i>	\$1,000.00
17	Thos. H. Crowwell and Le Roy V. Smith.	Feb. 4	The north exterior boundaries of Ts. 153 and 154 N., R. 39 W.; the west and north exterior boundaries of T. 153 N., Rs. 40 and 41 W., and T. 154 N., Rs. 40, 41, and 42 W., and that part of the west and north exterior boundaries of T. 153 N., R. 42 W., and south and north exterior boundaries of T. 154 N., R. 43 W., lying within the Red Lake Indian Reservation; also the subdivisions of Ts. 153 and 154 N., Rs. 39, 40, and 41 W., T. 154 N., R. 42 W., and that part of Ts. 152 and 153 N., R. 42 W., and Ts. 153 and 154 N., R. 43 W., fifth meridian, situate within the Red Lake Indian Reservation. <i>b</i>	5,000.00
18	Vernon M. Smith and Le Roy V. Smith.	Feb. 25	The east exterior boundaries of T. 152 N., Rs. 37 and 38 W., and the west boundaries of fractional Ts. 152 and 153 N., R. 33 W.; also the subdivisions in T. 152 N., Rs. 37 and 38 W. in fractional T. 152 N., R. 36 W., fractional Ts. 152 and 153 N., R. 33 W., and that part of fractional Ts. 152 and 153 N., R. 34 W., situate south of the Upper Red Lake. <i>b</i>	2,000.00
20	Vine D. Simar	Mar. 31	The independent guide meridian from the fourteenth standard parallel north, between Rs. 27 and 28 to the international boundary; the north and west exterior boundaries of Ts. 158 and 159 N., Rs. 25 and 26 W.; the north exterior boundaries of Ts. 157, 158, and 159 N., R. 27 W., and the west exterior boundaries of T. 160 N., Rs. 25 and 26 W.; also the subdivisions within the Red Lake Indian Reservation in T. 157 N., R. 27 W., and Ts. 158, 159, and 160 N., Rs. 25, 26, and 27 W., fifth meridian, Minnesota; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>c</i>	6,500.00
21	Geo. A. Ralph and R. N. Kittelson.	Apr. 6	The guide meridian from the corner to T. 157 N., Rs. 39 and 40 W. north, between Rs. 39 and 40, to the western boundary of the Red Lake Indian Reservation; the east and north exterior boundaries of Ts. 157 and 158 N., R. 39 W.; the west and north exterior boundaries of T. 158 N., R. 40 W., and that part of the west and north exterior boundaries of T. 158 N., R. 40 W., and T. 157 N., R. 41 W., lying within said reservation; all the subdivisions of Ts. 157 and 158 N., R. 39 W. and T. 157 N., R. 40 W., and that part of T. 158 N., R. 40 W., and T. 157 and 158 N., R. 41 W., lying within said Red Lake Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>c</i>	3,000.00
23	Geo. A. Ralph and Wm. A. Ralph.	Apr. 29	The west and north exterior boundaries of T. 155 N., Rs. 36 and 37 W.; the north exterior boundary of T. 155 N., R. 38 W., and the west exterior boundary of T. 156 N., Rs. 36 and 37 W.; also the subdivisions of Ts. 155 and 156 N., Rs. 36, 37 and 38 W., fifth meridian, Minnesota; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>b</i>	2,500.00
24	Geo. T. Simpson and Louis Shaw.	May 17	The exterior boundaries and subdivisions of that part of fractional Ts. 63 and 64 N., R. 6 E., Ts. 62, 63, and 64 N., R. 5 E., and Ts. 63 and 64 N., R. 4 E. of fourth meridian, Minnesota, situated within the	1,500.00

a Surveys completed and field notes returned.*b* No returns. Surveys reported to be completed.*c* No returns. Deputy now in the field.

D.—Statement of contracts entered into by the surveyor-general of Minnesota, etc.—
Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
26	Thos. H. Croswell and Henry J. G. Croswell.	1892. May 23	Grand Portage Indian Reservation, comprising all of said reservation; also the subdivision into 40-acre tracts of the pine lands in said townships <i>a</i> The ninth correction line through the Bois Forte Indian Reservation. All the exterior boundary lines of that part of Ts. 64, 65 and 66 N., Rs. 21, 22 and 23 W. situate within the Bois Forte Indian Reservation; the subdivision in T. 64 N., Rs. 21, 22, 23, and 24 W., and Ts. 65 and 66 N., in Rs. 21, 22 and 23 W. fourth meridian, situate within said Bois Forte Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships <i>b</i>	\$3,600.00

a No returns.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 24, 1893.

SIR: In compliance with instructions contained in your letter E, dated April 29, 1893, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1893, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriations for the fiscal years ending June 30, 1891 and 1892. (Not closed at date of last annual report.)

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriations for the survey of the Chippewa Indian reservations. (Not closed at date of last annual report.)

C. Statement of contracts entered into by the surveyor-general, of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1893.

D. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriation for the survey of the Chippewa Indian reservations during the fiscal year ending June 30, 1893.

There have been surveyed eighty-six townships or fractional townships, the field notes of which have been examined during the year, the plats made, and transcripts of field notes completed. Twenty-two townships have been surveyed and the field notes returned to this office but not fully examined. The surveys of twenty-two other townships are reported to have been completed, of which no returns have been received.

The number of miles run and marked in the field, the field notes of which have been examined during the year, is as follows:

	Measurement.		
	Miles.	Chs.	Lks.
Standard and meridian lines.....	137	73	12
Township lines.....	526	73	96
Township lines resurveyed.....	24	62	43
Section lines.....	4,179	07	75
Lines of subdivision of sections.....	139	67	30
Meander lines.....	515	56	38
Connecting lines.....	33	08	37
Total.....	5,557	29	31

The number of acres surveyed during the year is 1,571,728.72, which, added to the amount previously reported, viz, 44,051,519.08, gives the total number of acres surveyed in this State to date, 45,623,247.80.

The number of township plats made is 304.

The number of diagrams of exterior lines is 39.

There have been prepared during the year eleven contracts with deputy surveyors, with full special instruction and diagrams and field notes of exterior lines.

The surveys under all contracts let during the year are reported to be completed, excepting contracts Nos. 36 and 37. The deputies are now in the field at work on the surveys included in these contracts.

Twenty-two townships of public lands have been surveyed, the plats and field notes of which should be prepared as soon as possible. The great reduction in the amount appropriated by Congress for salaries of clerks in this office for the fiscal year ending June 30, 1894, will greatly embarrass the office, resulting in a long delay in the preparation of the plats and field notes, as it will be impossible to employ the number of clerks required for the necessary office work.

Three townships of public lands have been authorized to be surveyed during the ensuing fiscal year. Applications from settlers for the survey of seven other townships have been received at this office, which are held for additional proof as to settlement and improvements.

All of which is respectfully submitted.

JAMES COMPTON,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D.C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriations for the fiscal years ending June 30, 1891 and 1892. (Not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
21	Omar H. Case.....	1890. Oct. 18	The east exterior of T. 149 N., R. 33 W.; the east and north exterior of Ts. 149, 150, and 151 N., R. 31 W.; subdivisions of fractional T. 149 N., Rs. 32 and 33 W., and T. 151 N., Rs. 31 and 32 W., fifth meridian, east of reservation boundary. <i>a</i>	\$1,500	\$1,418.47
22	Alvah A. Crampen ...	Oct. 28	Range line between Rs. 18 and 19 through Ts. 65, 66, 67, and 68 N.; the south exterior of Ts. 67 and 68 N., R. 18 W.; and 66 N., R. 19 W.; and the north and south exteriors of T. 67 N., R. 19 W.; and the west and north exteriors of T. 67 N., R. 20 W.; subdivisions of Ts. 67 and 68 N., R. 18 W.; Ts. 66 and 67 N., R. 19 W.; and T. 67 N., R. 20 W., fourth meridian. <i>a</i>	3,000	3,820.00
24	George R. Stuntz	Dec. 3	The south exterior of T. 66 N., R. 19 W.; subdivisions of Ts. 59 and 60 N., R. 11 W.; and T. 66 N., Rs. 17 and 18 W.; and T. 65 N., R. 19 W., fourth meridian. <i>b</i>	3,000	
28	A. D. F. Gardner.....	1891. May 28	The west exterior of T. 62 N., R. 20 W.; and south and west exteriors of T. 63 N., R. 20 W.; and southwest and north exteriors of T. 67 N., R. 21 W.; subdivisions of T. 63 N., R. 20 W.; and T. 67 N., R. 21 W., fourth meridian. <i>a</i>	1,300	1,242.13
2	Wesley F. Marsh	July 31	The west exterior of T. 68 N., R. 20 W.; and subdivisions of T. 68 N., R. 20 W.; and T. 61 N., Rs. 23, 24, and 25 W., fourth meridian. <i>a</i>	2,500	2,022.39
(*)	Alvin H. Wilcox and Walter A. Hayden.	Oct. 27	Subdivisions of part of T. 155 N., R. 42 W., fifth meridian, situate west of Thief River, outside of Red Lake Indian Reservation. <i>c</i>	40	45.69
13	Bernard Keegan	Oct. 29	Subdivisions of T. 59 N., R. 8 W.; and T. 60 N., Rs. 9 and 10 W., fourth meridian. <i>a</i>	1,650	
19	Vine D. Simar	1892. Mar. 30	The subdivision of that part of T. 157 N., R. 27 W.; and T. 158 N., Rs. 25 and 26 W., fifth meridian, situate outside of the Red Lake Indian Reservation. <i>d</i>	400	
22	George A. Ralph and R. N. Kittleson.	Apr. 6	The north exterior boundary of T. 157 N., R. 41 W.; and west and north exteriors of T. 158 N., R. 40 W., outside of Red Lake Indian Reservation; and west and north exteriors of T. 158 N., R. 41 W.; the subdivision of T. 158 N., R. 40 W.; and Ts. 157 and 158 N., R. 41 W., fifth meridian, lying outside of Red Lake Indian Reservation. <i>e</i>	800	
25	Thomas H. Crowell and Henry J. G. Crowell.	May 22	The south exterior and that part of the west exterior of T. 64 N., R. 22 W., situate outside of the Bois Forte Indian Reservation; the east and west exteriors of T. 66 N., R. 22 W., outside of said reservation; and the north exterior and that part of the south exterior of T. 66 N., R. 23 W., situate outside of said reservation; the subdivisions of that part of T. 64 N., Rs. 22 and 23 W.; and T. 65 N., R. 23 W.; and T. 66 N., Rs. 21, 22, and 23 W., fourth meridian, situate outside of said Bois Forte Indian Reservation. <i>f</i>	1,420	
27	Henry J. G. Crowell.	June 24	The east, west, and north exteriors and subdivisions of T. 65 N., R. 14 W., fourth meridian, Minnesota. <i>g</i>	900	

a Surveys completed and accepted; contract closed.

b Correction of surveys completed.

c Survey completed and plat and field notes transmitted.

d Survey completed; field notes returned.

e Surveys completed.

f Surveys completed; field notes returned.

g Survey completed; field notes not returned.

h Special instructions.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriations for the survey of the Chippewa Indian Reservations, during the fiscal year ending June 30, 1892. (Not closed at date of last annual report.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
10	Alvin H. Wilcox and Walter A. Hayden.	1891. Sep. 30	The east and north boundaries of T. 155 N., R. 39 W.; the east boundary of T. 156 N., R. 39 W.; the west and north boundaries of T. 155 N., Rs. 40 and 41 W.; the west boundaries of T. 156 N. Rs., 40 and 41 W.; the west and north boundaries of T. 155 N., R. 42 W. situate within the Red Lake Indian Reservation; the subdivisions of Ts. 155 and 156 N., Rs. 39, 40, and 41 W., and that part of T. 155 N., Rs. 42 and 43 W., and T. 146 N., R. 42 W., situate within the Red Lake Indian Reservation. <i>a</i>	\$4,000.00	\$3,269.18
11	George A. Ralph.....	Oct. 20	The fourteenth standard parallel from the corner to T. 157 N., Rs. 31 and 32 W.; west 42 miles to the corner to T. 157 N., Rs. 38 and 39 W.; the Red Lake guide meridian between Rs. 35 and 36 from the thirteenth standard parallel north, to the fourteenth standard parallel. <i>b</i>	862.50	782.45
12	Vernon M. Smith and Thomas H. Crosswell.	Oct. 22	The east and north exteriors of Ts. 153 and 154 N., R. 37 W.; the north exterior of Ts. 153 and 154 N., R. 36 W.; the north, east and south exteriors of T. 154 N., R. 34 W., and the north exterior of T. 154 N., R. 33 W.; the subdivisions in that part of fractional T. 153 N., R. 34 W., situate west of the Red Lake and subdivisions of T. 153 N., Rs. 35, 36, and 37 W., and T. 154 N., Rs. 33, 34, 35, 36, and 37 W., fifth meridian Minnesota. <i>b</i>	4,000.00	3,603.52
15	George A. Ralph and R. N. Kittleson.	1892. Jan. 18	The fifth guide meridian from the thirteenth standard parallel north, between Rs. 39 and 40 W. to the fourteenth standard parallel; the fourteenth standard parallel from the corner to T. 157 N., Rs. 38 and 39 W., to the western boundary of the Red Lake Indian Reservation; also the west, north, and east exteriors and subdivisions of Ts. 153 and 154 N., R. 38 W. fifth meridian Minnesota. <i>b</i>		
16	Abner M. Darling and Charles H. Ward.	Feb. 3	The east exteriors of T. 156 N., Rs. 30 and 31 W., and the subdivisions of said T. 156 Rs. 30 and 31 W. fifth meridian Minnesota. <i>b</i>	1,000.00	872.97
17	Thomas H. Crosswell and Le Roy V. Smith.	Feb. 4	The north exteriors of Ts. 153 and 154 N., R. 39 W.; the west and north exteriors of T. 153 N., Rs. 40 and 41 W., and T. 154 N., Rs. 40, 41, and 42 W., and that part of the west and north exteriors of T. 153 N., R. 42 W., and south and north exteriors of T. 154 N., R. 43 W. lying within the Red Lake Indian Reservation; the subdivisions of Ts. 153 and 154 N., Rs. 39, 40 and 41 W.; T. 154 N., R. 42 W. and that part of Ts. 152 and 153 N., R. 42 W., and Ts. 153 and 154 N., R. 43 W., fifth meridian, situate within the Red Lake Indian Reservation. <i>a</i>	5,000.00	4,461.60
18	Vernon M. Smith and Le Roy V. Smith.	Feb. 25	The east exteriors of T. 152 N., Rs. 37 and 38 W., and the west exteriors of fractional T. 152 and 153 N., R. 33 W.; also the subdivisions of T. 152 N., Rs. 37 and 38 W.; fractional T. 152 N., R. 36 W.; fractional Ts. 152 and 153 N., R. 33 W., and that part of fractional Ts. 152 and 153 N., R. 34 W., situate south of the Upper Red Lake. <i>b</i>	2,000.00	3,174.35

a Surveys completed, plats and field notes transmitted.

b Surveys completed and accepted; contract closed.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriations for the survey of the Chipewewa Indian Reservation, etc.—Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
20	Vine D. Simar	1892. Mar. 31	The independent guide meridian from the fourteenth standard parallel north between Rs. 27 and 28 W., to the international boundary; the north and west exteriors of Ts. 158 and 159 N., Rs. 25 and 26 W.; the north exteriors of Ts. 157, 158, and 159 N., R. 27 W. and the west exteriors of T. 160 N., Rs. 25 and 26 W.; the subdivisions within the Red Lake Indian Reservation, in T. 157 N., R. 27 W., and Ts. 158, 159, 160 N., Rs. 25, 26, and 27 W.; fifth meridian, Minnesota; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>c</i>	\$6,500.00	.....
21	George A. Ralph and R. N. Kittleson,	Apr. 6	The fifth guide meridian from the corner to T. 157 N., Rs. 39 and 40 W., north between Rs. 39 and 40 W. to the western boundary of the Red Lake Indian Reservation; the east and north exteriors of Ts. 157 and 158 N., R. 39 W., the west and north exteriors of T. 157 N., R. 40 W., and that part of the west and north exteriors of T. 158 N., R. 40 W., and T. 157 N., R. 41 W., lying within said reservation; the subdivisions of Ts. 157 and 158 N., R. 39 W., and T. 157 N., R. 40 W., and that part of T. 158 N., R. 40 W., and Ts. 157 and 158 N., R. 41 W., lying within said Red Lake Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>c</i>	3,000.00	.....
22	George A. Ralph and William A. Ralph.	Apr. 29	The west and north exteriors of T. 155 N., Rs. 36 and 37 W.; the north exterior of T. 155 N., R. 38 W., and the west exterior of T. 156 N., Rs. 36 and 37 W.; the subdivisions of Ts. 155 and 156 N., Rs. 36, 37, and 38 W., fifth meridian, Minnesota; also the subdivision into 40-acre tracts of the pine lands of said townships. <i>a</i>	2,500.00	\$2,606.76
24	George T. Simpson and Louis Shaw.	May 17	The exterior boundaries and subdivisions of that part of fractional Ts. 63, and 64 N., R. 6 E.; Ts. 62, 63, and 64 N., R. 5 E.; and Ts. 63 and 64 N., R. 4 E., fourth Meridian, Minnesota, situate within the Grand Portage Indian Reservation, comprising all of said reservation. <i>d</i>	1,900.00	.....
26	Thomas H. Crosswell and Henry J. G. Crosswell.	May 23	The ninth correction line through the Bois Fort Indian Reservation; all the exterior lines of that part of Ts. 64, 65, and 66 N., Rs. 21, 22, and 23 W., situate within the Bois Forte Indian Reservation; the subdivisions in T. 64 N., Rs. 21, 22, 23, and 24 W., and Ts. 65 and 66 N., R. 21, 22, and 23 W., fourth meridian, situate within said Bois Forte Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>e</i>	3,600.00	.....

c Surveys completed.

d Surveys completed, field notes not returned.

e Surveys completed, field notes returned.

C.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1893.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
28	Bernard Keegan and Howard A. Crampton.	1892. Oct. 6	The subdivisions of Ts. 61 and 62 N., R. 4 W., fourth meridian, Minnesota. <i>a</i>	\$1,500	\$1,588. 01
29	George A. Ralph.....	Oct. 11	The north exterior and subdivisions of T. 158 N., R. 42 W., fifth meridian, Minnesota. <i>b</i>	475	475. 62
30	Guy A. Eaton.....	Nov. 4	The west exterior of T. 64 N., R. 18 W., and subdivisions of T. 64 N., R. 18 W., and T. 68 N., R. 21 W., fourth meridian, Minnesota. <i>c</i>	1,250	.....
31	Alvin C. Bailey.....	Dec. 12	The south exterior of T. 151 N., R. 29 W., and east exterior of T. 153 N., R. 30 W.; the subdivision of T. 151 N., R. 29 W., and of that part of T. 153 N., R. 30 W., situate outside of the Red Lake Indian Reservation. <i>d</i>	650	.....
32	George A. Ralph.....	Dec. 14	The north exterior of T. 149 N., R. 30 W., and the subdivisions of T. 148 N., R. 29 W., and of Ts. 150 and 151 N., in Rs. 30 and 31 W., fifth meridian, Minnesota. <i>c</i>	2,500	.....
35	Howard A. Crampton.	1893. Jan. 26	The subdivisions of T. 60 N., R. 8 W., fourth meridian, Minnesota. <i>d</i>	550	.....
36	Thomas H. Crosswell and Henry J. G. Crosswell.	Feb. 16	The north and south exteriors of T. 154 N., R. 29 W., outside of Red Lake Indian Reservation; the subdivisions of that part of T. 156 N., R. 27 W.; Ts. 155 and 156 N., R. 28 W., and Ts. 154 and 155 N., R. 29 W., situate outside of the Red Lake Indian Reservation. <i>e</i>	1,100	.....
38	Guy A. Eaton.....	Mar. 4	The north exterior of T. 67 N., R. 23 W., and subdivisions of T. 68 N., R. 19 W.; T. 67 N., R. 23 W., and T. 68 N., R. 24 W., fourth meridian, Minnesota. <i>d</i>	1,900	.....

a Surveys completed and accepted; contract closed. *d* Survey completed and field notes returned.
b Survey completed; plat and field notes transmitted. *e* Deputies now in the field; no returns.
c Survey completed.

D.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian Reservations, payable from the appropriations for the survey of the Chippewa Indian Reservations, during the fiscal year ending June 30, 1893.

No. of contract.	Name of deputy.	Date of contract.	Description.	Estimated liability.	Cost of survey.
33	George A. Ralph.....	1892. Dec. 24	The northwestern boundary of the Red Lake Indian Reservation, from the east line of T. 157 N., R. 42 W., to the Lake of the Woods. <i>a</i>	\$1,050	.....
34	Alvin C. Bailey.....	Dec. 26	The east exterior of T. 152 N., R. 31 W., and the subdivisions of that part of T. 152 N., Rs. 30 and 31 W., fifth meridian, Minnesota, situate within the Red Lake Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>b</i>	600	.....
37	Thos. H. Crosswell..... Henry J. G. Crosswell	1893. Feb. 16	That part of the S. and N. exteriors of T. 154 N., R. 29 W., the N. exterior of T. 155 N., R. 28 W., and W. exterior of T. 156 N., R. 27 W., situate within the Red Lake Indian Reservation, and the S. and E. exteriors of T. 156 N., R. 29 W. The subdivisions of T. 156 N., R. 29 W., and that part of T. 156 N., R. 27 W., Ts. 155 and 156 N., R. 28 W., and Ts. 154 and 155 N., R. 29 W., situate within the Red Lake Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships. <i>c</i>	2,000	.....

a Survey completed. *b* Survey completed; field notes returned.
c No returns; deputies now in the field.

C.—Contracts entered into by the surveyor-general of Minnesota for the survey of Indian lands, payable from the appropriation for the survey of the Chippewa Indian reservations.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
		1890.		
12	Alvin C. Bailey	Sept. 8	Subdivisions into 40-acre tracts of Ts. 143 and 144 N., R. 37 W., fifth meridian.*	\$2,650.00
13	George A. Ralph	Sept. 13	Subdivisions into 40-acre tracts of Ts. 145 and 146 N., R. 37 W., fifth meridian.†	2,487.48
14	George A. Burbank ..	Sept. 15	The exterior boundaries of diminished Red Lake Indian Reservation.*	1,500.00
16	John B. Hawley and John Goodnow.	Sept. 17	The east exterior boundaries of T. 148, Rs. 35, 36, 37, and 38 W. and the line between Ts. 147 and 148 N., Rs. 37 and 38 W., within the Red Lake Indian Reservation; the subdivision of T. 148 N., Rs. 36 and 37 W. and that part of T. 147 N., Rs. 37 and 38 W. and T. 148 N., Rs. 34, 35, and 38 W. lying within said reservation, including the subdivision of pine lands into 40-acre tracts; also, subdivision into 40-acre tracts of pine lands in fractional T. 147 N. Rs. 35 and 36 W. and T. 148 N., Rs. 33 and 39 W. within, said reservation †	7,500.00
17	Omar H. Case	Sept. 27	The exterior lines and subdivisions of T. 149 N., R. 34 W., T. 150 N., R. 33 W. and T. 151 N., Rs. 32 and 33 W. and that part of T. 149 N., Rs. 32 and 33 W., T. 151 N., R. 32 W. and T. 151 N., R. 31 W., within the Red Lake Indian Reservation, except the twelfth standard parallel and fourth guide meridian through T. 151 N. and except the W. exterior of T. 149 N., R. 34 W., the pine lands inside of the diminished Red Lake Indian Reservation to be subdivided into 40-acre tracts.§	6,000.00
18	Vernon M. Smith	Sept. 27	All exterior lines except twelfth standard parallel and fifth guide meridian) and the subdivisions in T. 149 N., Rs. 35, 36, 37 and 38 W. and T. 150 N., Rs. 37 and 38 W., fifth meridian; also, the subdivision into 40-acre tracts of the pine lands in said townships.*	6,500.00
19	Thos. H. Croswell	Sept. 30	All exterior lines (except fifth guide meridian) and all the subdivisions T. 150 N., R. 39 west, and Ts. 151 N., Rs. 39 and 40 W., and that part of T. 149 N., R. 39 W., and T. 150 N., R. 40 W., and 151 N., R. 41 W., within the Red Lake Indian Reservation; also the subdivision into 40-acre tracts of the pine lands in said townships.*	4,500.00
20	Nathan Butler, Geo. A. Burbank.	Sept. 30	The fourth guide meridian between Rs. 31 and 32 W., through Ts. 151, 152, and 153 N.; the thirteenth standard parallel from the corner to T. 153 N., Rs. 38 and 39 W., east to the eastern boundary of the Red Lake Indian Reservation; the west exterior of T. 152 N., Rs. 30 and 32; the north and west exterior of T. 153 N., Rs. 30, 31, and 32, within the Red Lake Indian Reservation; the subdivisions of T. 152 and 153 N., Rs. 30, 31, and 32 W. of fifth meridian, within said reservation; also the subdivision into 40-acre tracts of the pine lands, outside of diminished Red Lake Indian reservation.§	4,500.00
		1891.		
25	Vernon M. Smith, Thos. H. Croswell.	Feb. 18	The north exterior of T. 150 N., R. 34 W.; the north and east exteriors of T. 150 N., Rs. 35 and 36; T. 151 N., Rs. 37 and 38, and the east exterior of fractional T. 151 N., Rs. 35 and 36 W.; also the subdivision in T. 150 N., Rs. 34, 35, and 36 W., and T. 151 N., Rs. 34, 35, 36, 37, and 38 W., fifth meridian; also the subdivision of the pine lands into 40-acre tracts outside of diminished reservation.¶	5,500.00
26	Geo. A. Ralph	April 30	The west exteriors and subdivisions in T. 152 N., Rs. 39, 40, and 41 W., within the Red Lake Indian Reservation; also the subdivision of the pine lands into 40-acre tracts outside of diminished reservation.*	2,400.00

* Survey completed; field-notes returned. † Survey completed and accepted. ‡ Survey reported completed; no returns. § Partial returns received. ¶ No returns.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF U. S. SURVEYOR-GENERAL,
St. Paul, Minn., July 10, 1894.

SIR: In compliance with instructions contained in your circular letter E dated April 18, 1894, I have the honor to submit herewith, in duplicate, my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1894, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1894.

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriation for the survey of the Chippewa Indian reservations in Minnesota, during the fiscal year ending June 30, 1894.

There have been surveyed thirty-four townships or fractional townships, the field notes of which have been examined during the year, the plats made, and transcript of the field notes completed. Fifteen townships have been surveyed and the first notes returned to this office, but not fully examined.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

	Measurements.		
	Miles.	Chs.	Lks.
Standard and meridian lines	31	21	43
Reservation lines "resurveyed"	67	50	96
Township lines	208	64	66
Section lines	1,510	16	50
Lines for subdivision of sections	123	66	83
Meander lines	157	44	72
Connecting lines	14	34	74
Total	2,113	59	84

The number of acres surveyed in townships the field notes of which have been examined and the plats made is 590,026.06, which, added to amount previously surveyed, viz, 45,623,247.80 acres, gives the total number of acres surveyed in this State to date, 46,213,273.86. The number of township plats made during the year is 140. The number of diagrams of township lines made is 31. There have been prepared during the year eight contracts with deputy surveyors, with full special instructions and diagrams and field notes of exterior lines.

The work of preparation of plats and field notes in this office has been greatly delayed during the past year by reason of the inadequate appropriation for salaries of clerks in this office, leaving at this date a large amount of arrears of office work, and causing great injustice to deputies, who are in consequence of this delay obliged to wait from one to two years for their pay, and also to the settlers, who are very anxious to secure title to their lands, and who are constantly writing to this office inquiring when these townships that have been surveyed will be ready for entries to be made.

All of which is respectfully submitted.

JAMES COMPTON,
U. S. Surveyor-General.

THE COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1894.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
39	Bernard Keegan.....	1893. Nov. 8	The subdivision and meander lines in T. 58 N., Rs. 10 and 11 W., and T. 63 N., R. 25 W., fourth meridian, Minnesota. <i>a</i>	\$1,500
40	Lyman Arms and Wm. E. Seelye.	Dec. 5	The south exterior boundary of T. 150 N., R. 29 W., and the subdivision and meander lines in Ts. 150 and 153 N., R. 29 W., fifth meridian, Minnesota. <i>a</i>	950
41	Howard A. Crampton.	1894. Feb. 23	The subdivision and meander lines in T. 60 N., R. 24 W., fourth meridian, Minnesota. <i>b</i>	975
42	Guy A. Eaton.....	Feb. 28	The east and south exteriors of T. 66 N., R. 15 W., and the subdivision and meander lines in T. 64 N., R. 14 W., and T. 66 N., R. 15 W., fourth meridian, Minnesota. <i>c</i>	2,150
43	Merritt S. Cooke.....	May 18	Subdivision of a strip of land bounded on the north by the south boundary of T. 59 N., R. 17 W.; on the west by the east line of T. 58 N., R. 18 W., and on the south by the north line of T. 58 N., R. 17 W., fourth meridian, Minnesota.	50
45	George A. Ralph.....	June 7	The fifth guide meridian between Rs. 39 and 40 W., from the northwest boundary of the Red Lake Indian Reservation north to the fifteenth standard parallel; the west exterior boundary of T. 159 N., R. 40 W.; the south exterior and all the subdivision lines in that part of T. 160 N., R. 39 W., situate outside of the Red Lake Indian Reservation, and the south and west exterior lines of T. 160 N., R. 40 W., and all the subdivision lines in said T. 160 N., R. 40 W., fifth meridian, Minnesota. <i>d</i>	900
46	Thos. H. Croswell....	June 11	All the subdivision and meander lines in T. 64 N., R. 19 W., and T. 65 N., R. 20 W., fourth meridian, Minnesota. <i>d</i>	1,150

a Survey completed. Field notes returned.

b Survey completed.

c Partial returns received; deputy now in the field.

d No returns; deputy now in the field.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriation for the survey of the Chipewea Indian reservations in Minnesota, during the fiscal year ending June 30, 1894.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
44	George A. Ralph.....	June 7, 1894	The east exterior boundary of T. 159 N., R. 29 W.; the south and east exterior boundaries of that part of T. 160 N., R. 39 W., fifth meridian, situate inside of the Red Lake Indian Reservation, and all the subdivision and meander lines in that part of said T. 160 N., R. 39 W., situate inside of the Red Lake Indian Reservation. <i>a</i>	\$500

a No returns; deputy now in the field.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 11, 1895.

SIR: In compliance with instructions contained in your Circular Letter E, dated April 19, 1895, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ended June 30, 1895, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1895.

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriation for the survey of the Chippewa Indian reservations in Minnesota during the fiscal year ended June 30, 1895.

There have been surveyed 34 townships or fractional townships, the field notes of which have been examined during the year, the plats made, and transcripts of the field notes completed. Twelve townships have been surveyed and the field notes returned to this office, the office work on which is not completed.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

	Measurements.		
	Miles.	Chs.	Lks.
Standard and meridian lines	119	74	96
Township lines	101	17	59
Township lines resurveyed	33	24	33
Section lines	1,196	30	76
Lines for subdivision of sections	17	67	72
Meander lines	171	25	13
Connecting lines	13	79	11
Total	1,653	79	60

The number of acres surveyed in townships, the field notes of which have been examined and the plats made, is 450,097.96, which, added to the amount previously reported, viz, 46,213,273.80, gives the total number of acres surveyed in this State to date, 46,663,371.76. The number of township plats made during the year is 75. The number of diagrams of township lines made is 16. There have been prepared during the year twelve contracts with deputy surveyors, with full special instructions and diagrams and field notes of exterior lines; also two special instructions to deputy surveyors for additional surveys.

There is a large amount of office work now in arrears which I have not been able to reduce, on account of the inadequate appropriation for salaries of clerks in this office.

All of which is respectfully submitted.

JAMES COMPTON,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1895.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
(a)	R. P. Johnson.....	1894. July 31	Survey of island in Lake Hassel in sec. 9, T. 122 N., R. 39 W. fifth meridian. <i>b</i>	.....
49	Howard A. Crampton.	Aug. 23	The north boundary of that part of T. 161 N., R. 38 W., situate outside of Red Lake Indian Reservation, and the west and north boundaries of that part of T. 162 N., R. 37 W., and Ts. 163 N., Rs. 36 and 37 W., fifth meridian, situate outside of the Red Lake Indian Reservation. <i>c</i>	\$300.00
51	Bernard Keegan.....	Dec. 19	The subdivision and meander lines in T. 62 N., R. 10 W.; T. 66 N., R. 14 W., and T. 65 N., R. 16 W., fourth meridian, Minnesota. <i>d</i>	2,500.00
54	Howard A. Crampton.	1895. Jan. 17	The east boundary of T. 151 N., R. 27 W., and the south and east boundaries of T. 152 N., R. 27 W., and Ts. 151 and 152 N., R. 28 W.; also the subdivision and meander lines of T. 152 N., R. 27 W., and Ts. 151 and 152 N., R. 28 W., fifth meridian, Minnesota. <i>e</i>	1,800.00
55	Louis A. Ogaard.....	Apr. 16	The subdivision and meander lines of T. 70 N., R. 24 W., fourth meridian, Minnesota. <i>f</i>	500.00
57	George A. Ralph.....	May 29	The exterior lines of that part of the following townships situate outside of Red Lake Indian Reservation: The north boundary of T. 161 N., R. 38 W.; the west and north boundaries of T. 162 N., R. 37 W., and T. 163 N., Rs. 36 and 37 W.; also the subdivision and meander lines of that part of T. 161 N., R. 38 W.; T. 162 N., R. 37 W., and Ts. 163 N., Rs. 36 and 37 W., fifth meridian, situate outside of the Red Lake Indian Reservation. <i>b</i>	900.00
58	Charles A. Nutter.....	June 4	The east boundary of T. 151 N., R. 26 W., and the south and east boundaries of T. 152 N., R. 26 W., also the subdivision and meander lines of T. 152 N., R. 26 W., fifth meridian, Minnesota. <i>g</i>	650.00

a Special instructions.

b No returns.

c Field notes returned, surveys examined, found defective, and rejected.

d Surveys completed, partial returns.

e Surveys completed. Field notes returned.

f Deputy now in the field.

g No returns. Deputy now in the field.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriation for the survey of the Chippewa Indian reservations in Minnesota during the fiscal year ending June 30, 1895.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
47	Geo. A. Ralph.....	1894. Aug. 18	The fifteenth standard parallel from the corner to T. 161, N., Rs. 38 and 39 W., east between Ts. 160 and 161 N. to the Rainy River. The fourth guide meridian from the corner to T. 157 N., Rs. 31 and 32 W., on the fourteenth standard parallel north between said Rs. 31 and 32 to Rainy River or Lake of the Woods. The Red Lake guide meridian from the corner to T. 157 N., Rs. 35 and 36 W., on the fourteenth standard parallel north between said ranges to the Lake of the Woods. <i>a</i>	\$1,600.00	\$1,439.04

a Surveys completed.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 1, 1896.

SIR: In compliance with instructions contained in your circular letter E, dated April 6, 1896, I have the honor to submit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ended June 30, 1896, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriations for the fiscal year ended June 30, 1896.

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of the Chippewa Indian reservations in Minnesota during the fiscal year ended June 30, 1896.

There have been surveyed 25 townships or fractional townships, the field notes of which have been examined during the year, the plats made, and transcripts of the field notes completed. Eleven townships of public lands have been surveyed and the field notes returned to this office, the office work on which is not completed.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

	Measurements.		
	Miles.	Chs.	Lks.
Township lines.....	275	39	22
Township lines resurveyed.....	45	56	93
Section lines.....	1,186	17	66
Lines of subdivisions of sections.....	40	75	30
Meander lines.....	303	67	60
Connecting lines.....	10	52	36
Total.....	1,862	69	07

The number of acres surveyed in townships the field notes of which have been examined and the plats made is 422,643.48, which, added to the amount previously reported, viz, 46,663,371.76, gives the total to date, 47,086,015.24. The number of township plats made during the year is 85. The number of diagrams of township lines made is 12. There have been prepared during the year 9 contracts in quadruplicate with deputy surveyors, with full special instructions and diagrams and field notes of exterior lines for use of the deputy surveyors for survey of islands.

The insufficiency of the appropriations for past years for clerk hire in this office leaves a large amount of work in this office now in arrears; and it is hoped that Congress may see the necessity of making more liberal appropriations in order that the long delays in the preparation of plats and field notes may be avoided.

All of which is respectfully submitted.

P. H. KIRWAN,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1896.

No. of contract.	Deputy surveyor.	Date of contract.	Description of work.	Estimated liability.	Remarks.
60	Charles A. Nutter.	1896. Feb. 20	The subdivision and meander lines in T. 153 N., R. 27 W., fifth meridian, Minnesota.	\$500.00	Deputy now in the field.
61	Bernard Keegan ..	Feb. 29	The subdivision and meander lines in T. 62 N., R. 18 W., fourth meridian, Minnesota.	550.00	Survey completed and field notes returned.
(a)	Carl E. Taylor.....	Apr. 13	Survey of island situate in Farm Island Lake, in sec. 4, T. 45 N., R. 27 W., fourth meridian, Minnesota.	20.00	
(a)	Harlan W. Fisk....	Apr. 16	Survey of island situate in Pickerel Lake, in sec. 18, T. 102 N., R. 21 W., fifth meridian, Minnesota.	15.00	
62	Bernard Keegan ..	Apr. 29	The subdivision and meander lines in T. 60 N., R. 7 W., fourth meridian, Minnesota.	650.00	Survey completed.
63	Charles A. Nutter.	May 6	The subdivision and meander lines in T. 151 N., R. 27 W., fifth meridian, Minnesota.	550.00	Deputy now in the field.
64	Louis A. Ogaard ..	Apr. 21	The subdivision and meander lines in Ts. 68 and 69 N., R. 25 W., fourth meridian, Minnesota.	1,300.00	Do.
65	Thomas H. Crosswell.	May 27	The subdivision and meander lines in Ts. 61 and 63 N., R. 26 W., fourth meridian, Minnesota.	1,300.00	Do.
66	.....do.....	June 5	The subdivision and meander lines in T. 64 N., R. 25 W., fourth meridian, Minnesota.	550.00	Do.
67	George A. Ralph ..	June 10	The township line between Ts. 149 and 150 N., R. 28 W., fifth meridian, and all the subdivision and meander lines in Ts. 149 and 150 N., R. 23 W., and T. 149 N., R. 29 W., fifth meridian, Minnesota.	1,750.00	Do.

a Special instructions.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriation for the survey of the Chippewa Indian reservations in Minnesota during the fiscal year ended June 30, 1896.

No. of contract.	Deputy surveyor.	Date of contract.	Description of work.	Estimated liability.	Remarks.
59	Samuel S. Chute...	1895. July 16	All the subdivision and meander lines in T. 62 N., R. 25 W., fourth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said township containing pine timber.	\$800.00	Survey completed and field notes returned.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF THE UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 7, 1897.

SIR: In compliance with instructions contained in your circular letter E, dated April 23, 1897, I have the honor to transmit herewith in duplicate my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1897, with the following tabular statements:

A. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of the public lands, payable from the appropriation for the fiscal year ending June 30, 1897.

B. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, payable from the appropriations of \$50,000 for surveys within the Chippewa Indian reservations in Minnesota as per act of Congress approved June 10, 1896.

There have been surveyed 27 townships, including public lands and Indian reservations, the field notes of which have been examined during the year, the plats made, and transcripts of the field notes completed.

Eight townships of public lands and 10 townships of Indian reservations have been surveyed and the field notes returned to this office, the office work on which is not completed.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

Character of lines.	Measurements.		
	Miles.	Chs.	Lks.
Township lines	91	48	77
Township lines resurveyed	61	27	90
Section lines	1,252	26	32
Lines of subdivision of sections	29	77	97
Meander lines	99	16	56
Connecting lines	19	58	66
Total	1,554	16	18

The number of acres surveyed in townships, the field notes of which have been examined and the plats made, is 500,326.87, which, added to the amount previously reported, viz, 47,086,015.24, gives the total number of acres surveyed in the State of Minnesota to date, 47,586,342.11.

The number of township plats made during the year is 95; the number of diagrams of township lines made, 12. There have been prepared during the year 9 contracts in quadruplicate with deputy surveyors, with full special instructions and diagrams and field notes of exterior lines for the use of deputy surveyors.

There are now remaining unsurveyed in this State 70 townships of public lands and 37 of Indian lands, not including the detached territory lying north of the Lake of Woods.

I believe it will be for the best interests of the Government and the State of Minnesota that sufficient appropriations should be made by Congress to survey all of these lands as early as practicable, and that the appropriations for salaries in this office should be increased to a sum sufficient to employ the necessary draftsmen and clerks to prepare the required plats and transcripts of field notes of the surveys.

All of which is respectfully submitted.

P. H. KIRWAN,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of the public lands, payable from the appropriations for the fiscal year ending June 30, 1897.

No.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
a69	Bernard Keegan...	1896. Oct. 15	All the subdivision and meander lines in T. 59 N., Rs. 9 and 10 W., of the fourth principal meridian, Minnesota.	\$1,250.00
b73	Thos. H. Crosswell.	Dec. 10	All the boundaries, subdivisions, and meander lines of the public lands situate in secs. 2, 3, 4, 9, 10, and 11 in T. 57 N., R. 17 W., fourth meridian of Minnesota, lying between the "Old meander boundary" of Cedar Island Lake, as given by the original field notes of Henry S. Howe, United States deputy surveyor, approved by the surveyor-general of Minnesota, August 19, 1876, and the shore line of said Cedar Island Lake.	400.00
c74	A. L. Chopin.....	1897. May 17	All the subdivision and meander lines in Tps. 154 and 155 N., R. 25 W., and T. 155 N., R. 26 W., of the fifth meridian, Minnesota.	1,600.00
c75	George A. Ralph..	May 25	The west and north exterior boundaries of T. 159 N., R. 41 W., and the west exterior boundary of T. 160 N., R. 41 W., of the fifth principal meridian, Minnesota; also all the subdivisions and meander lines in Tps. 159 and 160 N., R. 41 W., fifth meridian, Minnesota.	1,050.00
d76	Thos. H. Crosswell.	June 15	The north exterior boundary of T. 159 N., R. 42 W.; also all the subdivision and meander lines in Tps. 159 and 160 N., R. 42 W., of the fifth principal meridian, Minnesota.	900.00

a Surveys completed and field notes returned.

b December 21, 1896, the deputy was ordered and restrained from executing the survey by order of the United States district court until further order of the court.

c Deputy now in the field.

d Deputy instructed not to commence work until after the surveys executed by George A. Ralph, D. S., under his contract, No. 75, are approved by the Commissioner of the General Land Office.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriation of \$50,000 for surveys within the Chippewa Indian reservations in Minnesota, per act approved June 10, 1896, during the fiscal year ending June 30, 1897.

No.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.
68a	Thos. H. Crosswell.	1896. July 9	The correction of that part of the eastern boundary of the Red Lake Indian Reservation commencing at the terminal point established by Nathan Butler, deputy surveyor, under contract dated March 26, 1875, in sec. 33, T. 157 N., R. 27 W., and running thence in a direct line to the source of Black River in said section 33, provided the source of the river is not found to be at said terminal point; thence along said river, following the meanders thereof, through Tps. 157 and 158 N., R. 27 W., and T. 158 N., R. 26 W., to the point on the right bank of Black River where the reservation line run by Vine D. Simar, deputy surveyor (being an extension of the line run by Nathan Butler), intersects said Black River.	\$300.00
70b	Bernard Keegan...	Nov. 2	All the subdivision and meander lines in Tps. 157, 158, 159, and 160 N., R. 28 W., and Tps. 159 and 160 N., R. 29 W., of the fifth principal meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	2,800.00
71b	Thos. H. Crosswell and Le Roy V. Smith.	Nov. 5	All the subdivision and meander lines in Tps. 157 and 158 N., R. 29 W., and Tps. 157, 158, 159, and 160 N., R. 30 W., of the fifth principal meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	2,850.00
72b	Geo. A. Ralph.....	Nov. 6	All the subdivision and meander lines in Tps. 157, 158, 159, 160, and 161 N., R. 31 W., of fifth principal meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	2,350.00

a Survey completed; contract closed.

b Survey completed; field notes returned.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 9, 1898.

SIR: In compliance with instructions contained in your circular letter E, dated April 29, 1898, I have the honor to transmit herewith, in duplicate, my annual report of the surveying operations in the district of Minnesota for the fiscal year ending June 30, 1898, with the following tabular statement:

Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1898 (act approved June 4, 1897):

A deposit for the survey of two islands in a lake in sec. 33, T. 131 N., R. 32 W., fifth meridian, has been made by the Northern Pacific Railroad Company, amounting to \$10. Special instructions for the survey of said islands were issued to Charles H. Ward, deputy surveyor, dated January 18, 1898. The survey has been completed and returns made to this office. The cost of the survey was \$4.72. The plat of the islands and transcripts of field notes have been made and transmitted.

There have been surveyed 24 townships, including public lands and Indian reservations, the field notes of which have been examined during the year, the plats made, and transcripts of the field notes completed.

Three townships of public lands have been surveyed, the office work on which is not completed.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

Character of lines.	Measurements.		
	Miles.	Chs.	Lks.
Township lines.....	24	0	91
Township lines resurveyed.....	64	63	10
Section lines.....	1,419	3	12
Lines of subdivisions of sections.....	14	1	87
Meander lines.....	150	26	32
Connecting lines.....	7	6	48
Total.....	1,679	21	80

The number of acres in townships the field notes of which have been examined and the plats made during the year is 541,013.26, which, added to the amount previously reported, viz, 47,586,342.11, gives the total number of acres surveyed in Minnesota to date 48,127,355.37.

Township plats made during the year.....	84
Diagrams of township lines.....	15
Transcripts of field notes.....	25
Descriptive lists for land offices.....	15

There have been prepared during the year five contracts in quadruplicate with deputy surveyors for the survey of 8 townships, with full special instructions in quadruplicate and diagrams and field notes of exterior lines for the use of deputy surveyors.

There have also been prepared nine lists of swamp-land selections, in triplicate, comprising 95,841.81 acres.

There are now remaining unsurveyed in this district 62 townships of public lands and 37 of Indian lands, not taking into account that detached territory lying north of the Lake of the Woods.

All of which is respectfully submitted.

P. H. KIRWAN,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1898 (act approved June 4, 1897).

Number of contract.	Name of deputy.	Date of contract.	Description of work.	Cost of survey.	Estimated liability.	Remarks.
77	Thos. H. Crosswell.	1897. July 20	The resurvey of the south boundary and all the subdivision and meander lines in T. 151 N., R. 29 W., fifth principal meridian, Minnesota.	\$534.36	\$550.00	Survey completed. Plat and field notes transmitted.
78	Thos. H. Crosswell.	1898. Mar. 24	All the subdivision and meander lines in Ts. 61 and 62 N., R. 5 W., fourth principal meridian, Minnesota.	-----	1,550.00	Survey completed. Field notes not returned.
79	John E. Mulligan.	May 7	The north exterior boundary of T. 151 N., R. 25 W., and all the subdivision and meander lines in T. 151 N., in Rs. 25 and 26 W., fifth principal meridian, Minnesota.	-----	1,100.00	Deputy now in the field. No returns.
80	Bernard Keegan.	May 27	All the subdivision and meander lines in T. 65 N., R. 18 W., fourth principal meridian, Minnesota.	-----	-----	Survey completed. Field notes not returned.
81	Louis A. Ogaard.	June 21	All the subdivision and meander lines in T. 67 N., R. 24 W., and T. 70 N., R. 23 W., of the fourth principal meridian, Minnesota.	-----	1,200.00	No returns.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 10, 1899.

SIR: In conformity with instructions contained in your circular letter E, dated April 18, 1899, I have the honor to transmit herewith, in duplicate, my annual report of the surveying operations in this district for the fiscal year ending June 30, 1899, with the following tabular statements:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1899; act approved July 1, 1898.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservation lands payable from the appropriation for completing the necessary surveys within the Chippewa Indian reservations in Minnesota; act approved July 1, 1898.

There have been surveyed 10 townships of public lands and 19 townships of Indian reservation lands, the field notes of which have been examined during the year and the plats made.

The transcripts of the field notes of 20 townships have been completed.

Two townships of public lands and 18 townships of Indian reservation lands have been surveyed, the office work on which is not completed.

The number of miles run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

	Miles.	Chs.	Lks.
Township lines	137	40	55
Township lines resurveyed	125	15	41
Township lines retraced	31	0	5
Section lines	1,659	3	34
Section lines resurveyed	71	32	70
Lines of subdivision of sections	30	1	37
Meander lines	157	15	44
Connecting lines	10	11	73
Total.....	2,221	40	59

The number of acres surveyed in townships the field notes of which have been examined and the plats made during the year, is 629,916.04, which, added to the amount previously reported, viz, 48,127,255.37, gives the total number of acres surveyed in Minnesota to date 48,757,171.41.

The number of township plats made during the year is 77; the number of diagrams of township lines made is 10; number of transcripts of field notes, 22; number of descriptive lists for land offices, 4.

There have been prepared during the year 13 contracts in quadruplicate with deputy surveyors for the survey of 40 townships, with full special instructions in quadruplicate and diagrams and field notes of exterior lines for the use of the deputy surveyors.

There have been also prepared four lists of swamp-land selections in triplicate, comprising 57,137.09 acres.

Respectfully submitted.

P. H. KIRWAN,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE.
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1899; act approved July 1, 1898.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
85	Geo. A. Ralph	1898. Aug. 29	All the subdivision and meander lines in fractional T. 159 N., Rs. 39 and 40 W., fifth meridian, Minnesota.	\$350.00	Survey completed; field notes returned.
88	Thos. F. McGilvray and James Conroy.	Oct. 27	All the subdivision and meander lines in T. 65 N., R. 17 W., fourth meridian, Minnesota.	700.00	Survey completed; original plat completed; field notes transcribed.
89	Bernard Keegan . .	Nov. 23	The east boundary of T. 163 N., R. 40 W., from the corner to secs. 19, 24, 25, and 30, north 4 miles to the corner of Ts. 163 and 164 N., Rs. 39 and 40 W.; the north boundary of T. 163 N., R. 40 W., and the east boundary of fractional T. 164 N., R. 40 W., fifth meridian, Minnesota; also all of the subdivision and meander lines in the unsurveyed portion of said T. 163 N., R. 40 W., and all the subdivision lines in said T. 164 N., R. 40 W., fifth meridian, Minnesota.	640.00	Surveys completed; plats made, and field notes transcribed.
91	Bernard Keegan . .	1899. Apr. 4	All the subdivision and meander lines in T. 61 N., R. 11 W., fourth meridian, Minnesota.	800.00	Survey completed; field notes returned.
93	Lewis A. Ogard . .	June 12	All the subdivision and meander lines in T. 69 N., Rs. 22 and 23 W., fourth meridian, Minnesota.	1,150.00	
94	John E. Mulligan .	June 16	All the subdivision and meander lines in fractional T. 61 N., R. 27 W., fourth meridian, and in Ts. 153 and 154 N., R. 28 W., fifth meridian, Minnesota.	1,450.00	

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriation for completing the necessary surveys within the Chippewa Indian reservations in Minnesota; act approved July 1, 1898.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
82	Thos. H. Crowwell and Henry J. G. Crowwell.	1898. Aug. 5	The west and north boundaries of T. 155 N., Rs. 32, 33, and 34 W.; the north boundary of T. 155 N., R. 35 W., and the west boundaries of T. 156 N., Rs. 32, 33, and 34 W., and all the subdivision and meander lines Ts. 155 and 156 N., Rs. 32, 33, 34, and 35 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	\$4,500	Surveys completed, field notes returned, plats made, and field notes transcribed.
83	Chas. L. Chase and Nulan M. Chase.	Aug. 18	The west and north boundaries of T. 157 N., Rs. 32, 33, and 34 W.; the north boundary of T. 157 N., R. 35 W., and the west boundaries of T. 158 N., Rs. 32, 33, and 34 W., and all the subdivision and meander lines Ts. 157 and 158 N., Rs. 32, 33, 34, and 35 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	4,500	Surveys completed; field notes returned.

446 REPORT OF COMMISSIONER OF GENERAL LAND OFFICE.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations, etc.—Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
84	Geo. A. Ralph.....	1898. Aug. 29	All the subdivision and meander lines in Ts. 159 and 160 N., Rs. 37 and 38 W., and in that part of T. 159 N., Rs. 39 and 40 W. of the fifth meridian, Minnesota, situate within the Red Lake Indian Reservation; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	\$2, 600	Surveys completed; field notes returned.
86	Edward Hoenck..	Aug. 27	All the subdivision and meander lines in Ts. 159 and 160 N., Rs. 32 and 33 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	2, 000	Contract canceled. See Commissioner's letter E, dated April 18, 1899.
87	Bernard Keegan..	Sept. 8	All the subdivision and meander lines, Ts. 159 and 160 N., Rs. 34, 35, and 36 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	3, 000	Surveys completed; field notes returned; plats made.
90	John E. Milligan..	1899. Jan. 3	The west and north boundaries of T. 157 N., Rs. 36 and 37 W.; the north boundary of T. 157 N., R. 38 W., and the west boundaries of T. 158 N., Rs. 36 and 37 W., and all the subdivision and meander lines, Ts. 157 and 158 N., Rs. 36, 37, and 38 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	3, 400	Surveys completed.
92	Thomas H. Crosswell.	Apr. 10	All the subdivision and meander lines in Ts. 159 and 160 N., Rs. 32 and 33 W. of the fifth meridian, Minnesota; also the subdivision into 40-acre tracts of all sections in said townships containing pine timber.	2, 000	Do.

B.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of Indian reservations payable from the appropriation for the survey of the Chippewa Indian reservations in Minnesota during the fiscal year ending June 30, 1895—Cont'd.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.
48	Howard A. Crampton.	1894. Aug. 23	The west and north boundaries of T. 161 N., Rs. 32, 33, 34, 36 and 37 W.; the west boundary of T. 162 N., R. 32 W.; the west and north boundaries of T. 162 N., Rs. 33, 34, and 36 W.; the west and north boundaries of T. 163 N., Rs. 33 and 34 W.; the north boundaries of Ts. 161 and 162 N., R. 35 W.; also the north boundary of that part of T. 161 N., R. 38 W., situate within the Red Lake Indian Reservation, and the west and north boundaries of T. 162 N., R. 27 W.; and the west boundary of T. 163 N., R. 37 W., situate within the said reservation. <i>a</i>	\$1,500.00	.....
50	Bernard Keegan.....	.....do.....	The west and north boundaries of Ts. 157, 158, and 159 N., Rs. 28, 29, and 30 W.; the north boundaries of Ts. 157, 158, and 159 N., R. 31 W.; the west boundaries of T. 160 N., Rs. 28, 29, and 30 W., and the east boundary of T. 161 N., R. 31 W., fifth meridian, Minnesota. <i>b</i>	1,600.00	.....
(c)	Geo. A. Ralph.....	Oct. 30	The south western boundary of the Red Lake Indian Reservation through Ts. 149 and 150 N., R. 39 W. <i>d</i>	50.00	.....
52	Thos. H. Crowwell and Le Roy V. Smith.	Dec. 27	The subdivision and meander lines in T. 161 N., Rs. 32, 33, 34, and 35 W.; T. 162 N., Rs. 34 and 35 W.; fractional T. 162 N., Rs. 32 and 33 W., and fractional T. 163 N., Rs. 33, 34, and 35 W.; and fractional T. 164 N., Rs. 33 and 34 W., fifth meridian, Minnesota. <i>e</i>	4,500.00	.....
53	Geo. A. Ralph.....	Dec. 31	The east and south boundaries of Ts. 159 and 160 N., Rs. 33, 34, 35, 37, and 38 W., and the south boundaries of Ts. 159 and 160 N., Rs. 32 and 36 W., fifth meridian, Minnesota. <i>b</i>	1,600.00	.....
(d)	Thos. H. Crowwell and Le Roy V. Smith.	1895. Apr. 20	The west and north boundaries of T. 161 N., Rs. 32, 33, and 34 W.; the west boundary of T. 162 N., R. 32 W.; the west and north boundaries of T. 162 N., Rs. 33 and 34 W.; the west and north boundaries of T. 163 N., Rs. 33 and 34 W.; the north boundary of Ts. 161 and 162 N., R. 35 W., and the east boundary of T. 164 N., R. 34 W., fifth meridian, Minnesota. <i>e</i>	1,000.00	.....
56	Geo. A. Ralph.....	May 29	The west and north boundaries of T. 161 N., Rs. 36 and 37 W., and T. 162 N., R. 36 W., and that part of the following township lines, situate within the Red Lake Indian Reservation: The west line of T. 163 N., R. 36 W.; the west and north lines of T. 162 N., R. 37 W., and the north line of T. 161 N., R. 38 W., fifth meridian, Minnesota; also the subdivision and meander lines in said T. 161 N., Rs. 36 and 37 W., and T. 162 N., R. 36 W., and that part of fractional T. 163 N., R. 36 W., Ts. 162 and 163 N., R. 37 W., and T. 161 N., R. 38 W., situate within the Red Lake Indian Reservation.	.....	.....

a Field notes returned. Surveys examined, found defective, and surveys rejected.

b Surveys completed, Field notes returned.

c Special instructions,

d Survey completed.

f No returns. Deputies now in the field.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 6, 1900.

SIR: In conformity with instructions contained in your circular letter E, dated April 30, 1900, I have the honor to transmit herewith in duplicate my annual report of the surveying operations in this district for the fiscal year ending June 30, 1900, with the following tabular statement. Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1900, act approved March 3, 1899.

There have been surveyed 9 townships of public lands and 19 townships of Indian reservation lands, the field notes of which have been examined during the year and the plats made.

Eight townships of public lands have been surveyed, the office work on which is not completed.

The number of miles of township, section, and meander lines run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

Character of lines.	Measurements.		
	<i>Miles.</i>	<i>Chs.</i>	<i>Lks.</i>
Township lines	71	13	84
Township lines resurveyed	74	73	80
Township lines retraced	93	54	97
Section lines	1,519	23	50
Meander lines	48	27	70
Connecting lines	10	05	96
Total	1,817	39	77

The number of acres surveyed in townships, the field notes of which have been examined and approved and the plats made during the year, is 580,262.30, which, added to the amount previously reported, viz, 48,757,171.41, gives the total number of acres surveyed in Minnesota to date 49,337,433.71.

The number of township plats (original, duplicate, and triplicate), made during the year is 111; number of diagrams of township lines made, 20; number of transcripts of field notes made, 37; number of descriptive notes of corners, etc., made for local land offices, 7.

There have been prepared during the year 6 contracts in quadruplicate, with deputy surveyors for the survey of 9 townships, with full special instructions, diagrams, and field notes of exterior lines for the use of the deputy surveyors.

Respectfully submitted.

E. S. WARNER,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ending June 30, 1900, act approved March 3, 1899.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
95	Thos. H. Croswell...	1899. Oct. 13	The west boundary of T. 65 N., R. 12 W., and all the subdivision and meander lines in T. 65 N., Rs. 12 and 13 W., fourth meridian, Minnesota.	\$1,600.00	Contract canceled. See Commissioner's letter E, dated Jan. 16, 1900.
96	Louis A. Ogaard....	Nov. 23	All the subdivision and meander lines in T. 69 N., Rs. 24 and 26 W., fourth meridian, Minnesota.	1,350.00	Surveys completed.
97	John E. Mulligan and John Kirwan.	1900. Feb. 6	The west boundary of T. 65 N., R. 12 W., and all the subdivision and meander lines in T. 65 N., Rs. 12 and 13 W., fourth meridian, Minnesota.	1,600.00	Do.
98	Louis A. Ogaard....	Mar. 15	All the subdivision and meander lines in T. 62 N., Rs. 26 and 27 W., and T. 63 N., R. 27 W., fourth meridian, Minnesota.	975.00	Do.
99	John E. Mulligan and John Kirwan.	Apr. 25	All the subdivision and meander lines in T. 57 N., R. 8 W., fourth meridian, Minnesota.	600.00	Deputies now in the field.
100	Louis A. Ogaard....	May 22	All the subdivision and meander lines in T. 152 N., R. 25 W., fifth meridian Minnesota.	600.00	No report.

REPORT OF THE SURVEYOR GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 6, 1901.

SIR: In conformity with instructions contained in your circular letter E, dated April 24, 1901, I have the honor to transmit herewith, in duplicate, my annual report of the surveying operations in this district for the fiscal year ended June 30, 1901, with the following tabular statements, viz:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1901. Act approved June 6, 1900.

B.—Statement of special instructions issued by the surveyor-general of Minnesota for the survey of Indian-reservation lands, payable from the appropriation for completing the necessary surveys within the Chippewa Indian reservations in Minnesota. Act approved July 1, 1898.

There have been surveyed 8 townships of public lands, the field notes of which have been examined during the year and the plats and transcripts of field notes made. Two townships of public lands have been resurveyed, the field notes examined, and plats and transcripts of field notes made.

Seven townships have been surveyed, and 2 townships resurveyed, the office work on which is not completed.

Six townships of Indian-reservation land have been resurveyed, the office work on which is not completed.

The number of miles of township, section, and meander lines run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

Character of lines.	Measurements.		
	Miles.	Chs.	Lks.
Township lines.....	6	00	30
Township lines resurveyed.....	83	12	87
Township lines retraced.....	5	79	50
Section lines.....	406	20	33
Section lines resurveyed.....	84	61	81
Meander lines.....	102	01	59
Connecting lines.....	5	29	69
Total.....	698	46	9

The number of acres surveyed in townships, the field notes of which have been examined and approved and the plats made during the year, is 129,219.03, which, added to the amount previously reported, viz, 49,337,433.71, gives the total number of acres surveyed in Minnesota, to date, 49,466,652.74.

The number of township plats (original, duplicate, and triplicate) made during the year is 34; the number of diagrams of township lines made is 10; the number of descriptive notes of corners, etc., made for local land offices is 9; the number of transcripts of field notes is 11.

There have been prepared, during the year, 4 contracts in quadruplicate with deputy surveyors, with full special instructions in quadruplicate for the survey of 5 townships and 3 fractional townships, with diagrams and field notes of exterior lines for the use of deputy surveyors.

There have also been prepared 7 special instructions in quadruplicate for the survey of public lands, Indian lands, and islands.

Respectfully submitted.

E. S. WARNER,
United States Surveyor General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

508 REPORT OF COMMISSIONER OF GENERAL LAND OFFICE.

A.—Statement of contracts entered into by the surveyor general of Minnesota for the survey of public lands payable from the appropriation for the fiscal year ended June 30, 1901 (act approved June 6, 1900).

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
101	John E. Mulligan.....	1901. Sept. 27	The east and north boundaries of T. 163 N., R. 45 W., and east boundary of T. 164 N., R. 45 W., and all subdivisions and meander lines in Tps. 163 and 164 N., R. 45 W., fifth principal meridian, Minnesota, and retrace defective township lines.	\$750.00	Survey completed.
(1)	Robert K. Whiteley...	1900. Oct. 13	Island in Crooked Lake, in sec. 20, T. 45 N., R. 28 W., fourth principal meridian, Minnesota.	4.36	Do.
102	Louis A. Ogaard.....	Oct. 15	All the subdivision and meander lines in T. 64 N., Rs. 26 and 27 W., fourth principal meridian, Minnesota; also, resurvey or retrace all defective township lines.	850.00	Do.
103	Chas. H. Armstrong...	1901. Feb. 16	The north boundaries of T. 162 N., R. 38 W., and T. 162 N., R. 39 W.; also, all subdivision and meander lines in T. 162 N., R. 38 W., outside of the Red Lake Indian Reservation, and the subdivision of the unsurveyed portion of T. 162 N., R. 39 W., fifth principal meridian, Minnesota; also, retrace defective township lines.	775.00	Do.
(1)	Merritt S. Cook.....	Mar. 14	To correct survey of strip of land between Tps. 58 and 59 N., R. 17 W., made under contract No. 43, dated May 18, 1894.	.....	No returns.
104	Thos. H. Crosswell and John E. Mulligan...	May 19	All the subdivision and meander lines in T. 58 N., Rs. 7 and 8 W., fourth principal meridian, Minnesota; also, resurvey or retrace all defective township lines.	1,350.00	Do.
(1)	Martin Watson.....	May 23	Island in sec. 21, T. 46 N., R. 26 W., fourth principal meridian, Minnesota.	.....	Do.
(1)	S. S. Sargeant.....	June 4	Island in sec. 20, T. 127 N., R. 32 W., fifth principal meridian, Minnesota.	.....	Do.
(1)	Thos. M. Hughes.....	do	Two islands in sec. 30, T. 63 N., R. 13 W., fourth principal meridian, Minnesota.	.....	Do.

¹ Special instructions.

B.—Statement of special instructions issued by the surveyor general of Minnesota for the survey of Indian-reservation lands, payable from the appropriation for completing the necessary surveys within the Chippewa Indian reservations in Minnesota (act approved July 1, 1898).

Name of deputy.	Date of instructions.	Description of work.	Estimated liability.	Remarks.
Chas. H. Armstrong....	1901. Feb. 16	Part of T. 162 N., R. 38 W., fifth principal meridian, situate within the Red Lake Indian Reservation in Minnesota.	\$60.00	Survey completed.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 8, 1902.

SIR. In conformity with instructions contained in your circular letter E, dated April 22, 1902, I have the honor to transmit herewith, in duplicate, my annual report of the surveying operations in this district for the fiscal year ended June 30, 1902, with the following tabular statements, viz:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1902, act approved March 3, 1901.

B.—Statement of contract entered into by the surveyor-general of Minnesota for the survey of Indian reservation lands, payable from the sum of \$5,000 assigned from the appropriation for surveying and allotting, for the Chippewas in Minnesota, reimbursable. See Commissioner's letter E, dated November 5, 1901.

There have been surveyed 6 townships, and 3 fractional townships of public lands, the field notes of which have been examined during the year, and the plats and transcripts of the field notes made. Two fractional townships of public lands have been resurveyed, the field notes examined, and plats and transcripts of field notes made.

Six townships and 4 fractional townships of public lands have been surveyed, the office work on which is not completed.

Eleven townships or fractional townships of Indian reservation lands have been surveyed, the office work on which is not completed.

The number of miles of township, section, and meander lines run and marked in the field, the field notes of which have been examined and approved during the year is as follows:

Character of lines.	Measurements.		
	Miles.	Chs.	Lks.
Township lines.....	111	37	18
Township lines resurveyed	131	20	20
Section lines	656	45	59
Section lines resurveyed	53	29	18
Meander lines.....	55	15	05
Connecting lines.....	10	62	08
Total	1,018	49	84

The number of acres surveyed in townships, the field notes of which have been examined and approved and the plates made during the year is 158,552.49, which, added to the amount previously reported, viz, 49,466,658.74, gives the total number of acres surveyed in Minnesota to date, 49,685,305.23.

The number of township plates (original), duplicate, and triplicate made during the year is 51.

The number of diagrams of township lines made is 18.

The number of diagrams of townships made for use of examiners of surveys is 30.

The number of descriptive notes of corners, etc., made for local land office is 14.

The number of transcripts of field notes is 30.

The number of plats of islands surveyed is 33.

The number of transcripts of field notes of islands is 11.

There have been prepared during the year four contracts, in quadruplicate, with deputy surveyors, with full special instructions, in quadruplicate, for the survey of 6 townships, and 7 fractional townships of public lands, and 11 fractional townships of Indian lands, with diagrams and field notes of exterior lines, for the use of deputy surveyors.

There have been prepared 16 special instructions, in quadruplicate, for the survey of islands, also 2 special instructions for the correction and completion of surveys in 2 townships erroneously surveyed.

Respectfully submitted.

E. S. WARNER,
United States Surveyor-General.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

676 REPORT OF COMMISSIONER OF GENERAL LAND OFFICE.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1902 (act approved March 3, 1901).

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
(a)	Marcus B. Stoner	1901. Dec. 31	3 islands in Turtle Lake in secs. 22, 27, and 28, in T. 148 N., R. 33 W., fifth principal meridian, Minnesota.	\$35.00	.....	No returns.
(a)	F. O. Cooley	1902. Jan. 3	3 islands in Eagle's Nest Lake in secs. 22 and 27, in T. 62 N., R. 14 W., fourth principal meridian, Minnesota.	.....	\$13.46	Survey completed.
(a)	Charles S. Carter	Jan. 18	3 islands in Mille Lacs Lake in sec. 5, in T. 42 N., R. 25 W., fourth principal meridian, Minnesota.	.....	25.97	Do.
(a)	George A. Burbank	Jan. 20	Island in Lake Lida in secs. 28 and 29, in T. 136 N., R. 42 W., fifth principal meridian, Minnesota.	.....	9.75	Do.
(a)	A. A. Bloom	do	Island in Beebe Lake in sec. 29, T. 120 N., R. 24 W., fifth principal meridian, Minnesota.	.....	10.75	Do.
(a)	F. O. Cooley	Jan. 21	2 islands in Burntside Lake in sec. 30, T. 63 N., R. 13 W., fourth principal meridian, Minnesota.	.....	24.65	Do.
(a)	George A. Burbank	Feb. 18	Island in lake in sec. 8, T. 133 N., R. 41 W., fifth principal meridian, Minnesota.	.....	9.10	Do.
106	David Ogilvie	Feb. 26	All the subdivision and meander lines of Ts. 57 and 58 N., R. 9 W., and T. 57 N., R. 10 W., fourth principal meridian, Minnesota; also survey or retracement of defective township lines.	1,900.00	.....	Survey completed; no returns.
107	Louis A. Ogaard	Mar. 1	All the subdivision and meander lines of Ts. 66 and 67 N., R. 26 W., fractional Ts. 66 and 69 N., R. 27 W., fourth principal meridian, and T. 156 N., R. 25 W., fifth principal meridian, Minnesota; also resurvey or retracement of defective township lines.	2,600.00	.....	No returns.
(a)	David Ogilvie	Mar. 17	Island in Elbow Lake in sec. 9, T. 140 N., R. 33 W., fifth principal meridian, Minnesota.	13.00	.....	Do.
108	Charles H. Armstrong	Apr. 9	The north and west boundaries of T. 163 N., R. 43 W.; the north boundary of T. 163 N., R. 44 W.; the east and west boundaries of T. 164 N., R. 43 W.; also retracement of defective township lines; also all subdivision and meander lines of Ts. 163 N., Rs. 43 and 44 W., and fractional Ts. 164 N., Rs. 42, 43, and 44 W., fifth principal meridian, Minnesota.	1,600.00	.....	Survey completed; field notes returned.

^aSpecial instructions.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 8, 1903.

SIR: In conformity with instructions contained in your circular letter E, dated April 18, 1903, I have the honor to transmit herewith, in duplicate, my annual report of the surveying operations in this district for the fiscal year ended June 30, 1903, with the following tabular statements, viz:

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1903 (act approved June 28, 1902).

B.—Statement of special instructions issued by the surveyor-general of Minnesota for the survey and resurvey of Indian reservation lands, payable from the appropriation of \$50,000 for completing surveys within the Chippewa Indian Reservation in Minnesota (act approved July 1, 1898).

C.—Statement of special instructions issued by the surveyor-general of Minnesota for the resurvey of public lands, payable from the appropriation for surveys and resurveys of public lands in the State of Minnesota.

There have been surveyed 5 townships and 5 fractional townships of public lands, the field notes of which have been examined during the year, and the plats and transcripts of the field notes made. One township has been resurveyed, the field notes examined, and plats and transcript of field notes made.

Three townships and 4 fractional townships of public lands have been surveyed, the field notes returned to this office, the office work on which is not completed.

The surveys of 11 townships or fractional townships of Indian reservation lands have been examined and the plats and transcripts of field notes made. Two townships and 1 fractional township of Indian reservation land has been resurveyed, the field notes examined, and the plats and transcripts of field notes made.

The number of miles of township, section, connecting and meander lines run and marked in the field, the field notes of which have been examined and approved during the year, is as follows:

Character of lines.	Measurements.		
	Miles.	chs.	lks.
Township lines.....	61	19	94
Township lines resurveyed	92	9	92
Section lines	526	7	65
Section lines resurveyed	241	41	85
Connecting lines	22	0	38
Meander lines	122	39	73
Total	1,065	39	47

The number of acres surveyed in townships, the field notes of which have been examined and approved and the plats made during the year, is 222,011.99, which, added to the amount previously reported, viz, 49,625,205.23, gives the total number of acres surveyed in Minnesota, to date, 49,847,217.22.

Township plats, original, duplicate, and triplicate, made during the year.....	57
Diagrams of township lines made.....	10
Transcripts of field notes made.....	30
Islands surveyed	24
Transcripts of islands	10

There have been prepared during the year 4 contracts with full special instructions, in quadruplicate, with the deputy surveyors for the survey of 8 townships and 4 fractional townships of public lands, with diagrams and field notes of exterior lines, for the use of deputy surveyors.

There have been prepared 8 special instructions, in quadruplicate, for the survey

of islands, and two special instructions, in quadruplicate, for the survey of Indian reservation lands.

There have also been prepared 6 special instructions to compassman, in quadruplicate, for the correction and completion of surveys in 13 townships, erroneously surveyed.

Respectfully submitted.

E. S. WARNER, *Surveyor-General.*

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ended June 30, 1903 (act approved June 28, 1902).

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
(a)	George Watts.....	1902. July 10	Island in Eagles Nest Lake in sec. 27, T. 62 N., R. 14 W., fourth principal meridian, Minnesota.	\$2.00	.....	No returns.
(a)	Chas. S. Carter	July 8	Island in Mille Lac Lake in sec. 26, T. 43 N., R. 27 W., fourth principal meridian, Minnesota.	14.00	\$9.70	Survey completed and accepted.
(a)	R. W. Nichols	July 10	2 islands in Sturgeon Lake in sec. 7, T. 60 N., R. 21 W., and sec. 13 in T. 60 N., R. 22 W., fourth principal meridian, Minnesota.	25.00	25.00	Do.
109	Chas. H. Armstrong..	Sept. 30	Fifth guide meridian between Rs. 38 and 39 W., through Ts. 163 and 164 N.; the east and west boundaries of T. 164 N., R. 37 W., and the north boundaries of T. 163 N., Rs. 38 and 39 W.; subdivisions T. 163 N., Rs. 38 and 39 W., and fractional T. 164 N., Rs. 36, 37, 38, and 39 W., fifth principal meridian, Minnesota; also retrace or resurvey exterior boundaries found defective.	1,800.00	.....	Survey completed; field notes returned.
(a)	.....do	Dec. 24	Resurvey part of west boundaries of T. 163 and 164 N., R. 39 W., fifth principal meridian, Minnesota.	61.00	60.75	Do.
(a)	Myron Shepard.....	Dec. 1	Island in lake in sec. 27, T. 33 N., R. 20 W., fourth principal meridian, Minnesota.	15.00	10.27	Survey completed and accepted.
110	L. A. Ogaard	Nov. 10	Subdivisions T. 157 N., R. 25 W., fifth principal meridian, Minnesota, and resurvey of defective township lines.	800.00	.....	Survey completed; field notes returned.
(a)	Robert K. Whiteley ..	1903. Feb. 6	Island in Nokay Lake in sec. 14, T. 45 N., R. 29 W., fourth principal meridian, Minnesota.	25.00	16.67	Do.
(a)	Marcus D. Stoner.....	Mar. 5	Island in Bartlett Lake in sec. 20, T. 151 N., R. 28 W., fifth principal meridian, Minnesota.	5 00	.....

^a Special instructions.

624 REPORT OF COMMISSIONER OF GENERAL LAND OFFICE.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, etc.—Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
(a)	F. O. Cooley.....	1903. Apr. 1	Island in Snow Bank Lake in sec. 19, T. 64 N., R. 8 W., fourth principal meridian, Minnesota.	\$16.00	\$10.78	Survey completed; field notes returned.
111	Chas. H. Armstrong..	May 19	North boundary T. 62 N., R. 21 W., and resurvey of erroneous exterior boundaries; also subdivisions of T. 62 N., Rs. 19, 20, and 21 W., fourth principal meridian, Minnesota.	1,900.00	.....	No returns.
112	Norris Y. Taylor and Chas. A. Forbes.	May 25	Subdivisions T. 68 N., R. 23 W., and T. 66 N., R. 24 W., fourth principal meridian, Minnesota, and resurvey of erroneous exterior lines.	1,200.00	.....	Do.

a Special instructions.

B.—Statement of special instructions issued by the surveyor-general of Minnesota for the survey and resurvey of Indian reservation lands payable from the appropriation of \$50,000 for completing surveys within the Chippewa Indian reservations in Minnesota (act approved July 1, 1898).

Name of deputy or compassman.	Date of instructions.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
Chas. H. Armstrong, compassman.	1902. Aug. 21	Correct and complete surveys in T. 160 N., R. 31 W., fifth principal meridian, Minnesota, executed by George A. Ralph, deputy surveyor, under contract No. 72, dated Nov. 6, 1896.	.....	\$626.81	Survey completed; office work completed.
Do.....	Sept. 28	Survey of fractional part of T. 164 N., R. 36 W., fifth principal meridian, Minnesota, situate within the Red Lake Indian Reservation.	\$20.00	14.44	Survey completed; field notes returned.
Wm. C. Smiley.....	Oct. 23	Two islands in Mud Lake in secs. 18 and 19, T. 156 N., R. 41 W., fifth principal meridian, Minnesota.	30.00	30.00	Do.
Louis A. Ogaard.....	Nov. 10	Survey of fractional part of T. 157 N., R. 25 W., fifth principal meridian, Minnesota, situate within the Red Lake Indian Reservation.	35.00	33.93	Do.
John E. Mulligan, compassman.	Mar. 28	Correct and completed surveys in Ts. 157 and 158 N., Rs. 32, 33, 34, and 35 W., fifth principal meridian, Minnesota, executed by Chas. L. Chase and Nolan M. Chase, deputy surveyors, under contract No. 83, dated Aug. 18, 1898.	.....	.....	No returns; compassman now in the field.

C.—Statement of special instructions issued by the surveyor-general of Minnesota for the resurvey of public lands, payable from the appropriations for surveys and resurveys of public lands in the State of Minnesota.

Name of compassman.	Date of instructions.	Description of work.	Cost of survey.	Remarks.
John E. Mulligan	1902. June 18	Correct and complete surveys in T. 65 N., R. 18 W., fourth principal meridian, Minnesota, executed by Bernard Keegan, deputy surveyor, under contract No. 80, dated May 27, 1898.	.....	Survey completed; no returns.
Do.....	.....do...	Correct and complete surveys in T. 61 N., R. 11 W., fourth principal meridian, Minnesota, executed by Bernard Keegan, deputy surveyor, under contract No. 91, dated Apr. 4, 1899.	.....	Do.
Chas. H. Armstrong ...	July 16	Correct and complete surveys in T. 159 N., R. 41 W., fifth principal meridian, Minnesota, executed by George A. Ralph, deputy surveyor, under contract No. 75, dated May 25, 1897.	\$617.08	Survey completed; plat and field notes transmitted.
John E. Mulligan	1903. Apr. 23	Complete surveys in T. 159 N., R. 42 W., fifth principal meridian, Minnesota, executed by Thos. W. Crosswell, deputy surveyor, under contract No. 76, dated June 15, 1897.	.....	No returns.

REPORT OF THE SURVEYOR-GENERAL OF MINNESOTA.

OFFICE OF THE UNITED STATES SURVEYOR-GENERAL,
St. Paul, Minn., July 7, 1904.

SIR: In conformity with instructions contained in your circular letter E, dated April 21, 1904, I transmit herewith in duplicate my annual report of the surveying operations in this district for the fiscal year ending June 30, 1904, with the following tabular statements, viz:

A. Statement of contracts entered into by the surveyor-general of Minnesota, for the survey of public lands, payable from the appropriations for the fiscal year ending June 30, 1904, (act approved March 3, 1903).

B. Statement of contract entered into and special instructions issued by the surveyor-general of Minnesota for the survey and resurvey of Indian reservation lands, payable from the appropriation of \$50,000 for completing surveys in the Chippewa Indian reservations in Minnesota (act approved July 1, 1898).

There have been surveyed 7 townships and 4 fractional townships of public lands, the field notes of which have been examined during the year and the plats and transcripts of the field notes made. One township and 2 fractional townships have been resurveyed, the field notes examined, and the plats and transcripts of field notes made.

Two townships and 2 fractional townships of public lands have been surveyed, the field notes returned to this office, the office work on which is not completed.

The resurvey of 7 townships of Indian reservation lands have been completed during the year, the field notes examined, and the plats and transcripts of field notes made.

The number of miles of township, section, and meander lines and connecting lines run and marked in the field, the field notes of which have been examined and approved, is as follows:

Character of lines.	Measurements.		
	M.	C.	L.
Township lines.....	28	64	34
Township lines resurveyed.....	173	8	21
Section lines.....	467	28	4
Section lines resurveyed.....	521	45	86
Meander lines.....	44	63	41
Connecting lines.....	21	68	98
Total.....	1,257	38	84

The number of acres surveyed in townships, the field notes of which have been examined and approved and plats made, during the year, is 180,287.76, which, added to amount previously reported, viz, 49,847,217.22, gives the total number of acres surveyed in Minnesota to date, 50,027,504.98.

Township plats, original, duplicate, and triplicate made during the year.....	80
Diagrams of township lines made.....	15
Transcripts of field notes of townships surveyed.....	25
Transcripts of field notes of exterior lines of townships surveyed.....	5
Plats of islands surveyed.....	8
Transcripts of field notes of islands.....	3

There have been prepared during the year 4 contracts and bonds in quadruplicate with deputy surveyors for the survey of 9 townships and 3 fractional townships of public lands and 4 townships of Indian reservation lands, with full special instructions and diagrams and field notes of exterior lines for the use of the deputy surveyors.

There have been prepared special instructions in quadruplicate for the survey of an island; also 3 special instructions in quadruplicate to compassman and for the correction and completion of surveys in 10 townships erroneously surveyed.

Respectfully submitted.

E. S. WARNER,
United States Surveyor-General of Minnesota.

The COMMISSIONER OF THE GENERAL LAND OFFICE,
Washington, D. C.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, payable from the appropriation for the fiscal year ending June 30, 1904 (act approved March 3, 1903).

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.
114	Louis A. Ogaard.....	1903. Oct. 15	All of the subdivision and meander lines in Tps. 66 and 67 N., R. 25 W.; T. 68 N., R. 26 W., and fractional Tps. 67 and 68 N., R. 27 W., fourth principal meridian, Minnesota. Also retrace or resurvey all exterior boundaries of said townships found defective in alignment or measurement.	\$2,200	Partial returns.
116	Marcus D. Stoner and John E. Mulligan.	1904. May 31	All the subdivision and meander lines in T. 65 N., R. 27 W., fourth principal meridian, and Tps. 153 N., Rs. 25 and 26 W., and Tps. 154 and 155 N., R. 27 W., fifth principal meridian, Minnesota. Also retrace or resurvey all exterior boundaries of said townships found defective in alignment or measurement.	2,500	No returns.
117	Wm. M. Everts.....	June 18	Range line between Rs. 21 and 22 W., through T. 63 N., fourth principal meridian. Also all the subdivision and meander lines in Tps. 63 N., Rs. 21 and 22 W., fourth principal meridian, Minnesota. Also retrace all exterior boundaries in said townships found defective in alignment or measurement.	1,250	Do.
(a)	John E. Mulligan and Wm. M. Everts, compassmen.	1903. Nov. 24	Correct and complete surveys in Tps. 163 and 164 N., R. 40 W., fifth principal meridian, Minnesota, executed by Bernard Keegan, deputy surveyor, under contract No. 89, dated Nov. 23, 1898.	.....

^aSpecial instructions, contract No. 89.

B.—Statement of contracts entered into and special instructions issued by the surveyor-general of Minnesota for the survey and resurvey of Indian reservation lands, payable from the appropriation of \$50,000 for completing surveys in the Chippewa Indian reservations in Minnesota (act approved July 1, 1898).

No. of contract.	Name of deputy, or compassman.	Date of contract or special instructions.	Description of work.	Estimated liability.	Remarks.
115	Chas. H. Armstrong.	1904. May 27	All the subdivision and meander lines in Tps. 159 and 160 N., Rs. 37 and 38 W., fifth principal meridian, Minnesota. Also retrace or resurvey all exterior boundaries of said townships found defective in alignment or measurement or position. Also subdivide into 40-acre tracts all sections containing pine timber.	\$2,300	No returns.
(a)	John E. Mulligan and Wm. M. Everts, compassmen.	1903. Oct. 31	Correct and complete surveys in Tps. 159 and 160 N., Rs. 34, 35, and 36 W., fifth principal meridian, Minnesota, executed by Bernard Keegan, deputy surveyor, under contract No. 87, dated Sept. 8, 1898.	.....	No returns; compassmen now in the field.
(a)	.....do.....	1904. Mar. 21	Correct and complete surveys in T. 157 N., R. 28 W., and T. 159 N., R. 29 W., fifth principal meridian, Minnesota, executed by Bernard Keegan, deputy surveyor, under contract No. 70, dated Nov. 2, 1896.	.....	Do.

“Special instructions.

A.—Statement of contracts entered into by the surveyor-general of Minnesota for the survey of public lands, etc.—Continued.

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Cost of survey.	Remarks.
(a)	F. O. Cooley	1902. May 15	Island in Eagle's Nest Lake in sec. 33, T. 62 N., R. 14 W., fourth principal meridian, Minnesota.	5.00	.....	No returns.
(a)	Robert K. Whiteley ..	May 16	Island in Fishtap Lake in sec. 13, T. 135 N., R. 29 W., fifth principal meridian, Minnesota.	6.00	.....	Do.
(a)	J. A. Quigg .....	.....do	3 islands in lake in sec. 1, T. 59 N., R. 27 W. and secs. 35 and 36, T. 60 N., R. 27 W., fourth principal meridian, Minnesota.	25.00	.....	Do.
(a)	R. W. Nichols.....	May 22	Island and lake in secs. 20 and 21, T. 62 N., R. 23 W., fourth principal meridian, Minnesota.	10.00	.....	Survey completed.
(a)	.....do	May 23	Island in lake in sec. 7, T. 58 N., R. 14 W., fourth principal meridian, Minnesota.	8.00	.....	Do.

^a Special instructions.

B.—Statement of contract entered into by the surveyor-general of Minnesota for the survey of Indian reservation lands, payable from the sum of \$5,000 assigned from the appropriation for surveying and allotting for Chippewas in Minnesota, reimbursable. (See Commissioner's letter E, dated November 5, 1901.)

No. of contract.	Name of deputy.	Date of contract.	Description of work.	Estimated liability.	Remarks.	
105	Marcus D. Stoner and John E. Mulligan.	1902. Jan. 18	Tract of land near the northwest angle of the Lake of the Woods, being part of the Chippewa Indian Reservation, all township lines and all the subdivision and meander lines of fractional T. 165 N., Rs. 33, 34, and 35 W., fractional Ts. 166 N., Rs. 33, 34, and 35 W., fractional T. 167 N., R. 33 W., T. 167 N., R. 34 W., fractional T. 167 N., R. 35 W., and fractional T. 168 N., Rs. 33, 34, and 35 W. of the fifth principal meridian, Minnesota.	\$3,000		Survey completed; partial returns made.