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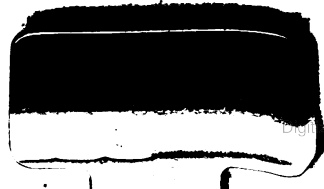
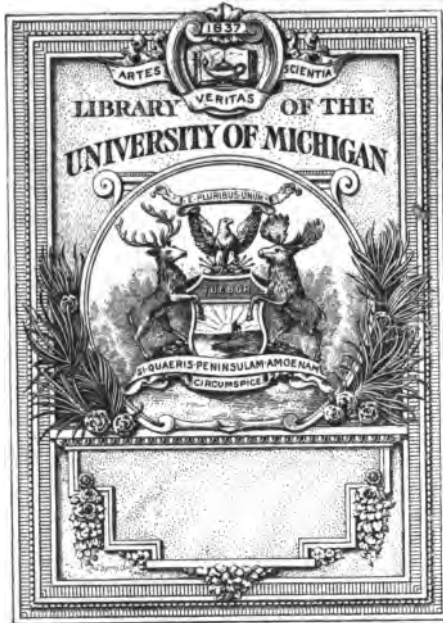
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REPORT  
OF  
THE COMMISSIONER  
OF  
THE GENERAL LAND-OFFICE  
TO  
THE SECRETARY OF THE INTERIOR  
FOR  
THE YEAR 1873.



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1873.





# REPORT

OF THE

## COMMISSIONER OF THE GENERAL LAND-OFFICE.

DEPARTMENT OF THE INTERIOR,  
*General Land-Office, October 20, 1873.*

SIR: I have the honor to submit the following as an abstract of my annual report for the fiscal year ending June 30, 1873, viz:

	Acres.
Disposal of public lands by ordinary cash sales.....	1, 626, 266. 03
Military bounty-land warrant, locations under acts of 1847, 1850, 1852, and 1855.....	214, 940. 00
Homestead entries.....	3, 793, 612. 52
Agricultural college scrip locations.....	653, 446. 41
Certified to railroads.....	6, 083, 536. 57
Certified for wagon-roads.....	76, 576. 82
Lands approved to the States as swamp.....	233, 548. 65
Certified for agricultural colleges.....	10, 223. 29
Certified for common schools.....	76, 909. 17
Certified for universities.....	51, 228. 69
Certified for seminaries.....	320. 00
Internal improvement selections approved to States.....	190, 775. 76
Sioux half-breed scrip locations.....	7, 515. 47
Chippewa half-breed scrip locations.....	6, 707. 49
<b>Total.....</b>	<b>13, 030, 606. 87</b>
Disposals of previous year.....	11, 864, 975. 64
<b>Increased disposal.....</b>	<b>1, 165, 631. 23</b>
Cash receipts under various heads.....	<u>\$3, 408, 515 50</u>

	Acres.
Total area of the land States and Territories.....	1, 834, 998, 400
Surveyed within the fiscal year ending June 30, 1873.....	30, 488, 132
Previously surveyed.....	586, 066, 763
<b>Total surveyed to June 30, 1873.....</b>	<b>616, 554, 895</b>
Leaving yet to be surveyed.....	1, 218, 443, 605

*List of papers composing the annual report of the Commissioner of the General Land-Office.*

1. Surveys of public lands, showing the progress made at the close of the last fiscal year, giving a statement of appropriations made for the surveying service during the same time, and submitting estimates for said service during the present fiscal year.
2. Surveys of Indian reservations.
3. Statement of progress of surveys on State and territorial boundaries.

4. Of pre-emption laws, and rulings under the same, recommending a repeal of the pre-emption laws.
5. Sioux Indian reservation.
6. Cherokee strip in Kansas.
7. Round Valley Indian reservation in Montana.
8. Homestead law; operations under the same, and recommending amendments.
9. Graduated lands; relief for suspended entries under recent confirmatory act of Congress.
10. Useless military reservations.
11. Offerings of public lands.
12. Educational land bounty.
13. Timber depredations; showing the action of this Office to prevent the same.
14. Railroads; progress of transcontinental lines, and of roads in States and Territories to which subsidies in land have been granted.
15. Operations under the mining laws.
16. Coal lands; rules and regulations under the act March 3, 1873.
17. Private land claims.
18. List of surveyors-general and land-offices.
19. Reports of the surveyors-general, from A to Q.

*Tabular statements accompanying Commissioner's annual report.*

No. 1. Tabular statements showing the number of acres of public lands surveyed in the States and Territories at the close of the fiscal year ending June 30, 1873; also the total area of the public lands remaining unsurveyed at that date.

No. 2. Statement of public lands sold; of cash and bounty-land scrip received therefor; number of acres entered under the homestead law of May 20, 1862; of commissions received under the sixth section of said act; also, land located with scrip under the agricultural college and mechanic act of July 2, 1862, and commissions received by registers and receivers on the value thereof; and statement of incidental expenses thereon in the first half of the fiscal year commencing July 1, 1872, and ending June 30, 1873.

No. 3. Statement showing like particulars for the second half of the fiscal year ending June 30, 1873.

No. 4. Summary for the fiscal year ending June 30, 1873, showing the number of acres disposed of for cash; for bounty-land scrip; by entry under the homestead laws of May 20, 1862, March 21, 1864, and June 21, 1866, with aggregate of \$5 and \$10 homestead payments; homestead commissions; also, locations with agricultural college and mechanic scrip under act of July 2, 1862.

No. 5. Statement showing the quantity of swamp lands selected for the several States under acts of Congress approved March 2, 1849, September 28, 1850, and March 12, 1860, to September 30, 1873.

No. 6. Statement exhibiting the quantity of swamp land approved to the several States under acts named in table No. 5 to September 30, 1873.

No. 7. Statement exhibiting the quantity of swamp land patented to the several States under acts approved September 28, 1850, and March 12, 1860; also, the quantity certified to the State of Louisiana under act approved March 2, 1849.

No. 8. Statement showing the State selections under the internal improvement grant of September 4, 1841, to the 30th June, 1873.

No. 9. Exhibit of bounty-land warrant business under acts of 1847,

1850, 1852, and 1855, showing the issues and locations from the commencement of operations under said acts to June 30, 1873.

No. 10. Statement showing the selections made by certain States of lands within their own limits under the agricultural college and mechanic act of July 2, 1862, and supplemental acts of April 14, 1864, and July 23, 1866; also, the locations made with scrip under said acts.

No. 11. Statement exhibiting land concessions by acts of Congress to States for canal purposes from the year 1827 to June 30, 1873.

No. 12. Statement exhibiting land concessions by acts of Congress to States and corporations for railroad and military wagon-road purposes from the year 1850 to June 30, 1873.

No. 13. Estimate of appropriations required for the office of the Commissioner of the General Land-Office, for the fiscal year ending June 30, 1875.

No. 14. Estimates of appropriations required to meet expenses of collecting the revenue from sales of public lands in the several States and Territories for the fiscal year ending June 30, 1875.

No. 15. Estimates of appropriations for the surveying department for the fiscal year ending June 30, 1875.

No. 16. Estimates of appropriations required for surveying the public lands for the fiscal year ending June 30, 1875.

No. 17. Table showing the time when the various railroad rights attach to the lands granted so far as at present determined.

No. 18. Connected map of the United States from ocean to ocean, exhibiting the extent of surveys, land districts, seats of surveyors-general and district land-offices; also, localities of railroads of general interest.

During the fiscal year ending June 30, 1873, there were received 56,109 letters, and 48,965 were written and recorded. Forty-five thousand three hundred and seventy-eight patents were written and recorded.

It will be seen, by reference to the foregoing statements, that 30,488,132.83 acres of land were surveyed during the last fiscal year. The amount surveyed for the fiscal year ending June 30, 1870, was 18,165,278 acres. These figures show an increase of 12,322,844.83 acres in the annual survey since I assumed the control of the Office.

The disposals of public land under various heads, for the last fiscal year, amounted to 13,030,606.87 acres. The disposal for the fiscal year ending June 30, 1870, was 8,095,413 acres, showing an increase of 4,935,193.87 acres.

Notwithstanding this increase in the survey and sale of lands, which involves a corresponding increase in the work of this Office, I have thus far been able to transact the current business, and largely reduce the vast accumulation of unfinished work which I found on assuming control of the Office, and to which I have alluded in previous reports, and the work of the Office is now well advanced in most of its branches. The adjustment of *ex parte* homestead and pre-emption cases is now kept up to current dates. The number of contested cases awaiting adjustment has been much reduced, but, owing to the insufficiency of the clerical force, this class of work still remains somewhat in arrears.

When I took charge of the Office there was a large accumulation of California private land claims unadjusted. This accumulation has been removed and, at this time, only four cases are awaiting examination.

Notwithstanding the satisfactory progress thus far made in bringing up arrearages, the business of the Office is increasing so rapidly as to justify the conclusion that present arrearages cannot be brought up and the current business of the Office transacted promptly without a thorough

reorganization and increase of the clerical force of this bureau. I therefore respectfully, but earnestly, renew the recommendations made by me on this point in my last annual report.

I am, sir, very respectfully, your obedient servant,  
**WILLIS DRUMMOND,**  
*Commissioner.*

The Hon. SECRETARY OF THE INTERIOR

DEPARTMENT OF THE INTERIOR,  
 GENERAL LAND OFFICE,  
 Washington, D. C., October 20, 1873.

SIR: The surveys of public lands of the United States, for the fiscal year ending June 30, 1873, were as follows: Minnesota, 2,399,136.81 acres; Kansas, 3,464,229.04 acres; Nebraska, 4,417,397.66 acres; California, 1,226,784.73 acres; Nevada, 1,254,731.59 acres; Oregon, 1,319,140.68 acres; Washington Territory, 1,360,451.00 acres; Colorado Territory, 98,401.12 acres; Utah Territory, 45,593.83 acres; Arizona Territory, 302,900.15 acres; New Mexico Territory, 391,341.22 acres; Dakota Territory, 2,295,399.29 acres; Idaho Territory, 646,586.47 acres; Montana Territory, 1,473,917.75 acres; Wyoming Territory, 1,193,395.88 acres; Louisiana, 172,377.96 acres; Florida, 730,103.68 acres; Indian Territory, 4,996,243.97 acres; total, 30,488,132.83, which, added to the amount surveyed prior to that time, makes an aggregate of 616,554,895 acres, surveyed since the commencement of operations under the present system, leaving an estimated area of 1,218,443,506 acres unsurveyed.

The following table exhibits the progress of surveys and the disposal of public lands since the fiscal year ending June 30, 1863:

Fiscal year ending June 30—	Surveying districts.	Land-offices.	Cost of survey.	No. of acres surveyed.	No. of acres disposed of.
1864 .....	10	53	\$172,906 00	4,315,954	3,238,865.00
1865 .....	10	53	170,721 00	4,161,778	4,513,738.00
1866 .....	10	61	186,339 88	4,267,037	4,629,312.00
1867 .....	12	62	423,416 22	10,608,314	7,041,114.00
1868 .....	13	68	325,779 50	10,170,656	6,665,742.00
1869 .....	13	66	407,471 00	10,822,812	7,665,151.00
1870 .....	17	81	560,210 00	18,165,278	8,095,413.30
1871 .....	17	83	683,910 00	22,016,607	10,765,705.00
1872 .....	17	92	1,019,378 66	20,450,930	11,264,975.64
1873 .....	17	90	1,217,731 67	30,468,132	13,030,606.87

This shows an increase of the number of surveyors-general from ten to seventeen, and of land-offices from fifty-three to ninety, and an increase in the annual survey from 4,315,954 acres to 30,488,132 acres, and an increase in the number of acres disposed of from 3,238,865.00 to 13,030,606.87, the amount disposed of during the year ending June 30, 1873.

The following appropriations for surveys were made by Congress for the present fiscal year: Florida, \$12,000; Louisiana, \$18,000; Minnesota, \$50,000; Dakota Territory, \$80,000; Nebraska, \$60,000; Kansas, \$60,000; Colorado Territory, \$80,000; New Mexico Territory, \$30,000; Arizona Territory, \$20,000; Utah Territory, \$25,000; Wyoming Territory, \$50,000; Montana Territory, \$60,000; Idaho Territory, \$30,000; Nevada, \$50,000; California, \$90,000; Oregon, \$70,000; and Washington Territory, \$70,000.

The estimates for the ensuing fiscal year are as follows: Florida, \$15,000; Louisiana, \$22,000; Minnesota, \$40,000; Dakota Territory, \$80,000; Nebraska, \$60,000; Kansas, \$89,700; Colorado Territory, \$80,000; New Mexico Territory, \$40,000; Arizona Territory, \$30,000; Utah Territory, \$30,000; Wyoming Territory, \$60,000; Montana Territory, \$60,000; Idaho Territory, \$40,000; Nevada, \$60,000; California, \$90,000; Oregon, \$70,000; and Washington Territory, \$70,000.

2.—SURVEYS OF INDIAN RESERVATIONS.

Pursuant to treaty stipulations and the sixth section of the act of Congress approved April 2, 1864, (Stats. at Large, vol. 13, p. 41,) which devolve the duty of surveying Indian reservations on the Commissioner of the General-Land Office, surveys were made during the last fiscal year as follows:

Date of treaty.	Indian reservations.	Locality of lands.	Extent of surveys in acres.	Contracts let by—	Remarks.
July 19, 1866 June 14, 1866 Mar. 21, 1866	} Cherokee, Creek, and Seminole.	Indian Ter....	4, 422, 298 00	Comm'r General Land-Office.	
		Senecas .....do .....	.....do .....	Surveyor-general of Kansas.	Remarking boundaries.
Feb. 27, 1867	Pottawatomie.....	.....do .....	573, 945. 16	Comm'r General Land-Office.	Survey into forty-acre tracts.
Feb. 22, 1855	Fond du Lao .....	Minnesota .....	12, 194. 73	Surveyor-general, Minnesota.	
Feb. 22, 1855 Oct. 2, 1863	} Chippewas of the Mississippi and of the Red Lake.	.....do .....	.....do .....	.....do .....	Surv. of boundaries.
Oct. 2, 1863		Chippewas of the Red Lake, and Pembina Indians.	.....do .....	.....do .....	.....do .....
Mar. 11, 1863 Mar. 20, 1865	} The Pillager, Winnebigoishish, and Leech Lake.	.....do .....	.....do .....	.....do .....	Do
Mar. 19, 1867 Apr. 19, 1858		White Earth..... Yankton Sioux .....	.....do .....	.....do .....	.....do .....
June 9, 1863	Nez Percé .....	Idaho .....	55, 536. 44	Surveyor-general, Dakota.	Survey into forty-acre tracts.
Sept. 30, 1854	The Bannock and Fort Hall.	.....do .....	.....do .....	Surveyor-general, Idaho.	Survey of boundaries.
	La Pointe or Bad River.	Wisconsin .....	5, 912. 43	Surveyor-general, Minnesota.	Survey into eighty-acre tracts.
Feb. 18, 1867	Sac and Fox of Missouri.	Kansas and Nebraska.	14, 411. 08	Surveyor-general, Kansas.	Act of June 10, '72.
Mar. 15, 1854	Otoes and Missourias.	.....do .....	.....do .....	Surveyor-general, Nebraska.	Do.
Sept. 24, 1857	Pawnee.....	Nebraska.....	48, 430. 06	.....do .....	Do.
June 15, 1855	Warm Springs....	Oregon.....	26, 205. 77	.....do .....	
Nov. 15, 1865	Klamath.....	.....do .....	89, 032. 21	Surveyor-general, Oregon.	
Oct. 14, 1864	Coast Range .....	.....do .....	9, 005. 44	.....do .....	
	Flathead, &c.....	Montana.....	215, 907. 08	Surveyor-general, Montana.	Act March 3, 1873.

3.—STATE AND TERRITORIAL BOUNDARIES.

1. *The eastern boundary of California.*—Partial returns have been made by Alexey W. Von Schmidt, contractor, showing the completion of that part of the line between the north shore of Lake Tahoe and the forty-second parallel of north latitude. He also reports the completion of that part of the line between Lake Tahoe and the Colorado River of the West, and that he is now engaged in the preparation of maps, &c.

2. *The northern boundary of Nevada.*—The field-work of this survey has been completed by Daniel G. Major, contractor, but the returns have not yet been received.

3. *The southern boundary of Wyoming.*—The survey of this line is being prosecuted in the field, but no returns have been received.

4. *The western boundary of Wyoming.*—Under the appropriation of \$13,800, made by act of Congress approved March 3, 1873, the contract for the survey of this land has been let to Alonzo V. Richards.

5. *The western boundary of Kansas.*—The survey of this line has been completed, and the returns made and approved.

6. *The northern boundary of Nebraska.*—The contract for the survey of this line has been let, but owing to a fear on the part of the Indian Office that the prosecution of the work would excite the Indians and lead to difficulties, operations in the field have been delayed.

7. *The Washington and Idaho boundary line.*—The contract for the survey of this line was let on the 2d day of June, 1873, but no report of progress made by the contractors has been received.

8. *The northern part of the eastern boundary of New Mexico and the eastern part of the southern boundary of Colorado.*—Under the appropriation made by act of Congress approved March 3, 1873, the contract for the survey of these lines has been let to John J. Major, but returns have not been received.

#### 4.—PRE-EMPTIONS.

The general pre-emption laws of September 4, 1841, March 3, 1843, March 3, 1853, and March 27, 1854, remain in force. The following act, entitled "An act for the relief of settlers on the late Sioux Indian reservation in the State of Minnesota," was approved February 24, 1873:

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That all actual settlers who have duly filed their declaratory statements under the pre-emption laws, with the register of the proper local land-office, upon the unsold lands now included within the limits of the late Sioux Indian reservation in the State of Minnesota, shall be allowed until the first day of March, anno Domini eighteen hundred and seventy-four, in which to make proof and payment for their claims.

March 3, 1873, "An act authorizing joint entry by pre-emption settlers, and for other purposes," was approved, and March 31 the following circular to the district land-office containing the law and instructions for its execution was issued by this Office:

DEPARTMENT OF THE INTERIOR,  
General Land-Office, Washington, D. C., March 31, 1873.

*To Registers and Receivers:*

GENTLEMEN: Your attention is hereby called to the following act of Congress, approved March 3, 1873, and entitled "An act authorizing joint entry by pre-emption settlers, and for other purposes."

*"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That when settlements have been made upon agricultural public lands of the United States prior to the survey thereof, and it has been or shall be ascertained, after the public surveys have been extended over such lands, that two or more settlers have improvements upon the same legal subdivision, it shall be lawful for such settlers to make joint entry of their lands at the local land-office, or for either of said settlers to enter into contract with his co-settlers to convey to them their portion of said lands after a patent is issued to him, and after making said contract, to file a declaratory statement in his own name, and prove up and pay for said land, and proof of joint occupation by himself and others, and of such contract with them made shall be equivalent to proof of sole occupation and pre-emption by the applicant: *Provided,* That in no case shall the amount patented under this act exceed one hundred and sixty acres, nor shall this act apply to lands not subject to homestead or pre-emption entry.

"Sec. 2. That effect shall be given to this act by regulations to be prescribed by the Commissioner of the General Land-Office.

"Approved March 3, 1873."

Concerning your duties in the administration of the aforesaid act I have to advise you as follows, to wit:

When the survey in the field finds two or more settlers with improvements on the same legal subdivision, a joint entry thereof will be allowed as heretofore.

If they so elect, however, they may contract by and between themselves *only* that one of them may file for and enter the whole of such tract, and, after a patent is issued therefor to him, convey to the others their portion of said land.

Under the last-named provision it is necessary that the said contract be made *first*, and that the filing and entry shall both be made in pursuance thereof.

This contract must be made in writing, signed by all parties thereto, attested by two disinterested witnesses, and acknowledged before some officer authorized to take acknowledgments of deeds within and for the State where the land is situated. The character and authority of the officer must be verified by the seal of a court of record. You will make no reference to the contract until the party seeks to make actual entry, when you will require the original paper, or, if the same has been placed upon the records of the county, a duly certified copy thereof under seal will be sufficient.

You will require such proof of occupation by settlement, residence, and improvement, by each and every party to said contract, as would be sufficient under the former practice to justify a joint entry. Their good faith and compliance with law must be fully proven.

The proviso to section one is held to mean that not more than one hundred and sixty acres or a technical quarter-section, as allowed under the pre-emption laws, shall be included in any one entry. An inconsiderable excess, when the tract is bounded by regular quarter-section lines, will be permitted.

The act does not specify *what* improvements a settler must have on a legal subdivision, partly occupied by another, to entitle him to a joint entry. It is held, however, that each must have improvements of value, and not merely of a nominal character or extent, to warrant a proceeding under this act.

The pre-emption affidavit as written on page 17 in circular of August 30, 1872, will be amended, in cases where entry is made under this act, by inserting after the word "whomsoever," in the ninth (9th) line, the words "save under the act of March 3, 1873, and as specified in the contract herewith submitted in pursuance thereof."

You will in each case forward, with the entry papers, to this Office said original contract, or the certified copy from record as aforesaid.

You will perceive that the act refers only to pre-emptors on agricultural lands; and the word "homestead" in the last line of the proviso to the first section is used only in a descriptive sense. You will also observe that where either or any of the parties settle *after* survey no joint entry or proceeding under this act can be had.

Respectfully,

WILLIS DRUMMOND,  
Commissioner.

Prior to said act, when two or more settlers were found, on survey in the field, with valuable improvements on the same smallest legal subdivision of forty acres, they were allowed, under rulings of the Department, to make joint entry of such tracts when such a course constituted the only equitable method of adjustment. Under this act settlers may unquestionably proceed with more certainty and avoid litigation, after issue of patent, in the matter of a division of the land so jointly entered.

An act entitled "An act to authorize pre-emptors or settlers upon homesteads on the public land to alienate portions of their pre-emptions or homesteads for certain public purposes," was approved March 3, 1873, and is as follows, to wit:

*Be it enacted, &c.,* That any person who has already settled or hereafter may settle on the public lands of the United States, either by pre-emption or by virtue of the homestead law or any amendments thereto, shall have the right to transfer by warranty, against his or her own acts, any portion of his or her said pre-emption or homestead for church, cemetery, or school purposes, or for the right of way of railroads across such pre-emption or homestead, and the transfer for such public purposes shall in no way vitiate the right to complete and perfect the title to their pre-emptions or homesteads.

The periods within which settlers under the pre-emption laws must file their declaratory statements and make final proof and payment for their claims remain the same as at date of my last report.

The district land-officers are instructed to permit no pre-emption entry



to be consummated until three months from and after the date of filing the township plat of survey in the district office shall have expired. Said period of three months is given pre-emptors who settle prior to the filing of the township plat, by statute, in which to file their declaratory statements.

The seventh section of the act of July 23, 1866, "An act to quiet land-titles in California," has received new and more liberal construction by the Department proper. Said section provides—

That where persons in good faith and for a valuable consideration have purchased lands of Mexican grantees or assigns, which grants have subsequently been rejected, or where the lands so purchased have been excluded from the final survey of any Mexican grant, and have used, improved, and continued in the actual possession of the same as according to the lines of their original purchase, and where no valid adverse right or title (except of the United States) exists, such purchasers may purchase the same, after having such lands surveyed under existing laws, at the minimum price established by law, &c.

In case of Sanford E. Wilson's application to purchase certain lands under said section, the Hon. Secretary of the Interior decided in substance—following the doctrine laid down by the Supreme Court of the United States in case of *Myers vs. Croft*, (13 Wallace, 291)—that the right of purchase secured thereby is alienable and descends to the heirs upon the death of the purchaser. Prior to said decision the contrary doctrine prevailed.

In case of *L. H. Bascom vs. Moses Davis*, in which Davis is a claimant under said seventh section, the Hon. Secretary of the Interior decides, in substance, that when parties bring themselves in other respects within the law, but fail to show use, improvement, and possession of *all* the land as according to the lines of their original purchase, they may purchase from the Government such portion of their original purchase as they have had in actual possession. These decisions constitute the precedents on which similar cases will hereafter be adjudicated.

Pursuant to my former recommendations, a bill for the repeal of the pre-emption laws received favorable action from both Houses of Congress at the last session, but at so late a date in the House of Representatives that the Senate was unable to act upon some slight amendments by the House, and it therefore failed to become a law.

The many frauds which occur under the pre-emption laws, almost universally in the interest of speculators; the fact that most liberal terms are provided under the homestead laws for such as desire to obtain title to the public lands in good faith for purposes of actual settlement and cultivation; that actual inhabitancy and improvement are worth more to the country than the excess of revenue derived from the sale to pre-emptors; that the policy of the Government is that these lands should be occupied, improved, and made to augment the productions of the country, and that under the pre-emption laws this object is substantially defeated, impel me, in view of the magnitude of the interests involved, to again urge the repeal of the several pre-emption acts, so that those who wish to obtain title to the public lands as actual settlers may be required to do so under the homestead laws.

##### 5.—SIOUX RESERVATION.

The following act, entitled "An act for the relief of settlers on the late Sioux Indian reservation in the State of Minnesota," was approved February 24, 1873:

*Be it enacted, &c.,* That all actual settlers who have duly filed their declaratory statements under the pre-emption laws with the register of the proper local land-office

upon the unsold lands now included within the limits of the late Sioux Indian reservation in the State of Minnesota, shall be allowed until the first day of March, anno Domini eighteen hundred and seventy-four, in which to make proof and payment for their claims.

#### 6.—CHEROKEE STRIP IN KANSAS.

The act approved May 11, 1872, to carry out certain provisions of the Cherokee treaty of 1866, and for the relief of settlers on the Cherokee lands in the State of Kansas, recognized settlements existing at the date of said act, and such as should be made within one year thereafter. One year from the date of the approval by the Secretary of the Interior of the acceptance of the provisions of the act by the Cherokee national council, or a duly authorized delegation therefrom, was given for payment to settlers at the date of the act, and one year from date of settlement when the same was made subsequent to the approval of the act. By instructions from this Office three months from notice or settlement were allowed each claimant to file his declaratory statement. The period in which settlement was thus authorized expired May 11, 1873, and the time allowed for filing declaratory statements on the latest settlements ended August 11, 1873. Under said act there had been entered at the Independence and Wichita land-offices prior to September 1, 1873, 83,732.27 acres. There had been 1,416 declaratory statements filed at said offices August 11, 1873. The area of land embraced in said filings is not known. If each filing represents 160 acres, the total area filed for would be 226,560 acres. Inasmuch, however, as very many claims embraced less than 160 acres, the area actually covered by declaratory statements will doubtless be much less than said amount. The area which will be entered under the aforesaid provisions cannot be known prior to the receipt of the district land-officers' returns for May, 1874. But one town-site entry, that of Coffeyville, has been made on said lands.

#### 7.—ROUND VALLEY INDIAN RESERVATION, IN MONTANA.

No entries have been made under the act of June 5, 1872, entitled "An act to provide for the removal of the Flathead and other Indians from the Bitter Root Valley, in the Territory of Montana."

By the terms of the act, Indians who at its passage were actually residing upon and cultivating any portion of said lands were allowed to remain in said valley and pre-empt without cost the land so occupied to the extent of 160 acres. The superintendent of Indian affairs in Montana not having furnished a list of said Indians so entitled, and whose claims must be ascertained before a disposition of lands to other claimants, the execution of the act is necessarily suspended.

The land has been surveyed, instructions furnished to the district land-officers, and nothing which this Office can do in the premises is wanting to carry the law into effect.

#### 8.—HOMESTEAD LAW.

The demand for lands by actual settlers under the homestead law continues very large.

During the fiscal year ending June 30, 1873, 31,246 preliminary entries were made, covering an area of 3,752,347.26 acres. The number of final entries was 9,894, being an increase in final entries of 4,115 over the preceding fiscal year.

This law, with some slight amendments, would meet all the require-

ments and necessities of actual settlers, and I again respectfully renew my recommendation for a complete consolidation of all statutes respecting settlement rights into a general homestead law. A bill for that purpose met with favorable action from both Houses of the last Congress, but owing to a slight amendment, as to the time when it should take effect, by the House, on the last day of the session, in which the Senate had not time to concur, it failed to become a law.

#### 9.—GRADUATED LANDS.

Since my last annual report Congress has passed the following act, confirming entries made under the act of August 4, 1854, graduating the price of public lands:

AN ACT to confirm certain entries of land therein named.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That all entries of public lands under the act to graduate and reduce the price of the public lands subject to entry to actual settlers and cultivators, approved the fourth day of August, eighteen hundred and fifty-four, made prior to the passage of this act, in which the purchaser has made the affidavit and paid or tendered the purchase-money as required by said act, and the instructions issued and in force and in the hands of the register at the time of making said entry, are hereby legalized, and patents shall issue to the parties, respectively, provided that in case of tender the money shall be paid, excepting those entries under said act which the Commissioner of the General Land-Office may ascertain to have been fraudulently or evasively made: *Provided,* That this act shall not be so construed as to confirm any of said entries which have heretofore been annulled and vacated by said Commissioner on account of fraud, evasion of law, or other special cause: *And provided further,* That nothing herein contained shall be so construed as to deprive any actual settler and cultivator of his right to any land on which he resided at the time of an entry by another person under the act to which this is an amendment.

Approved February 17, 1873.

Under this confirmatory act a large number of entries previously suspended, because of the failure of parties to make the required proof of settlement and cultivation, have been relieved from suspension, and patents are being delivered upon application in proper form.

#### 10.—USELESS MILITARY RESERVATIONS.

The act of Congress of February 24, 1871, provided for the disposition of the lands embraced in certain military reservations abandoned by the War Department, viz: Fort Lane, Oreg., estimated area 640 acres; Fort Walla-Walla, Wash., 1,920 acres; Fort Jesup, La., 6,400 acres; Fort Sabine, La., 18,200 acres; Fort Smith, Ark., 306 acres; Fort Wayne, Ark., 11,680 acres; Fort Zarah, Kans., 3,068 acres; Fort Abercrombie, Minn., 6,993 acres; Camp McGarry, Nev., 75 square miles; Fort Sumner, N. Mex., 21½ square miles; and so much of Fort Bridger, Wyo., as might be no longer required for military purposes.

At the date of my last annual report, proceedings under said act were suspended for want of an appropriation to meet the necessary expenses.

The necessary appropriation having been made by act of Congress approved March 3, 1873, proper measures have been taken to bring the lands embraced in said reservations into market, with the exception of Fort Walla-Walla, Wash., which has again passed under the jurisdiction of the War Department, it having been found necessary to resume the use of it as a military post.

#### 11.—OFFERINGS OF PUBLIC LANDS.

During the last fiscal year public offerings of valuable timber lands in the State of Minnesota were made, pursuant to proclamation of the

President, at Saint Cloud, embracing the public lands in 113 townships, at Taylor's Falls, embracing the public lands in 10 townships; at Litchfield, embracing the public lands in 105 townships; and at Duluth, embracing the public lands in 49 townships.

#### 12.—EDUCATIONAL LAND-BOUNTY.

The selections certified for common schools during the fiscal year ending June 30, 1873, amounted to 76,909.17 acres, and for seminaries 320 acres. The selections certified for agricultural colleges amounted to 15,976.21. The locations of agricultural college scrip by assignees of the States to which the same was issued, reported during the year cover an area of 653,446.41. Since my last annual report agricultural-college scrip representing 240,000 acres has been issued to the States of Arkansas and Florida. This exhausts the amount which Congress authorized.

#### 13.—TIMBER DEPREDATIONS.

In administering the laws for disposing of the public lands, the depredations committed on the timber growing thereon has received attention. It is held that the United States, as owner of the lands, has all the legal means of protecting the timber which individuals enjoy in like cases. The act of Congress of March 2, 1831, as construed by the Supreme Court, makes the depredating on such timber a criminal offense, punishable with fine and imprisonment. The extent of the evil at an early period induced special efforts by the executive authority for its correction. In 1855 the matter was placed in charge of this Office for its supervision. The duty was imposed on the registers and receivers of the district land-offices to act as timber agents, without additional compensation, in their respective land-districts. When reliable information reaches them that spoliation of public timber is committed, their instructions require them to investigate the matter, to seize all timber found to have been cut without authority on the public land, to sell the same to the highest bidder at public auction, and deposit the proceeds in the Treasury. They are to bring the offense committed to the attention of the proper officers that the perpetrator may be arrested and held to answer as usual in criminal cases. In these proceedings, however, the purpose in view being merely to protect the rights of the Government, and not to indulge in vindictive prosecutions, due regard is had to the circumstances of each case; and, when these justify so doing, the district officers are authorized to compromise with the parties, on their paying any costs incurred and a reasonable stumpage for the timber, which is then released, and prosecution waived. By this course, although depredations continue, yet they are checked to some extent, and that without cost, it being made a rule that the expenses incurred shall not be permitted to exceed the money realized for the Treasury from the sales of timber seized, and stumpage paid in compromised cases.

#### 14.—RAILROADS.

In the adjustment of land-grants for railroad purposes considerable progress has been made. In July, 1872, a division was organized to which all questions growing out of the adjustment of railroad grants are referred for examination. Prior to that time these questions had

been adjusted in connection with other branches of business. This resulted in complications and delays which are obviated by the new arrangement.

The examination of settlers' claims in conflict with those of railroad companies forms a large part of the business of the new division.

Under the ruling of the Department made in 1871, known as the Boyd decision, this class of claims is largely increased.

By the former practice of treating all reversions of alternate sections within railroad limits as inuring to railroads, the only question relating to settlement likely to arise was determined by the date of its inception. If the settlement was made prior to withdrawal, and the requirements of the pre-emption law had been complied with, the claimant was permitted to acquire title. Upon his abandonment, at any period, of his right, the land passed to the use of the grant.

But since that decision the adjustment is no longer narrowed to the question of the right of the first settler, or homestead claimant, to consummate title. The time when the right of the railroad attached must be ascertained, and the right of the parties is to be determined by the exact status of the land at that time. If the party originating the claim still holds the right to consummate title, he is permitted to make an entry. If, however, he abandoned his claim prior to the time the railroad right attached, the lands are awarded to the railroad when it fully complies with the conditions of the grant. If the abandonment was subsequent to such time the land reverts to the United States and is again subject to appropriation under the pre-emption and homestead laws.

Hearings for the investigation of these conflicting claims have accordingly been ordered, and trials are in constant progress before district officers for their settlement. Upward of eleven hundred cases of conflict have been entered upon the dockets of this Office, of which about one-half have been decided during the year, and about one hundred have been examined and remanded for further hearing, the testimony not being sufficiently explicit to justify an award.

The Supreme Court of the United States, at the late December term, decided, in the case of the Kansas Pacific Railway Company *vs.* John H. Prescott, that the requirement of the act of July 2, 1864, providing for the payment of the costs of survey, extends to the lands granted by act of July 1, 1862, within ten miles of the Pacific Railroad and branches. Modified instructions to meet this construction of the law have been issued.

During the fiscal year ending June 30, 1873, 6,083,536 acres of land have been certified for railroad purposes, an increase over the amount certified the previous year of 2,528,649 acres.

The records of the Office show an aggregate construction of two thousand two hundred and seventy-eight miles of road, distributed as follows: in Michigan, one hundred and eighty-six miles; Wisconsin, eighty-nine miles; Iowa, fifty miles; Minnesota, seven hundred and twelve miles; Missouri, ninety-seven miles; Kansas, four hundred and sixty-four miles; Arkansas, two hundred and forty miles; California, forty miles; Colorado, two hundred and forty-five miles; Indian Territory, one hundred and fifty-five miles; total as above, two thousand two hundred and seventy-eight miles.

Portions of the roads included in the foregoing report of construction were actually completed prior to the commencement of the last fiscal year. This report will be understood as referring more particularly to the official record of construction, and to the acceptance by the proper

authorities, the evidence of which has been received at this Office since my last annual report, and consequently was not included therein.

During the previous year the reports show a constructed length of one thousand seven hundred and forty-three miles of road, a difference in favor of the latter year of five hundred and thirty-five miles.

The policy of extending aid to railroad enterprise by national legislation having been restricted by the caution of Congress during the last few years, the aggregate of definite location of new roads is not as great as in former years. The reports show the definite location of three hundred and twenty-three miles during the fiscal year, of which two hundred miles are of the Northern Pacific Railroad, in the Territory of Dakota.

In their appropriate place in this report will be found carefully prepared tables, showing the condition of the adjustment for the various land-grant roads up to the close of the fiscal year.

#### 15.—OPERATIONS UNDER THE MINING LAWS.

Since the date of my last report the fifth section of the mining act of May 10, 1872, has been amended, and the following circular issued:

"The following is an act of Congress approved March 1, 1873, (17 Stat., 483:)

"AN ACT to amend an act entitled "An act to promote the development of the mining resources of the United States."

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the provisions of the fifth section of the act entitled "An act to promote the development of the mining resources of the United States," passed May tenth, eighteen hundred and seventy-two, which requires expenditures of labor and improvements on claims located prior to the passage of said act, are hereby so amended that the time for the first annual expenditure on claims located prior to the passage of said act shall be extended to the tenth day of June, eighteen hundred and seventy-four."

"By this legislation the requirements of the fifth section of the act of May 10, 1872, are changed by extending the time for the first annual expenditure upon claims located prior to May 10, 1872, to June 10, 1874.

"The requirements in regard to expenditures upon claims located since May 10, 1872, are in no way changed."

The following act of Congress was approved February 18, 1873, (17 Stat., 465:)

#### AN ACT in relation to mineral lands.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That within the States hereinafter named deposits or mines of iron and coal be, and they are hereby, excluded from the operations of an act entitled "An act to promote the development of the mining resources of the United States," approved May tenth, eighteen hundred and seventy-two, and said act shall not apply to the mineral lands situate and being within the States of Michigan, Wisconsin, and Minnesota, and that said lands are hereby declared free and open to exploration and purchase according to the legal subdivisions thereof, as before the passage of said act; and that any *bona-fide* entries of such lands, within said States, since the passage thereof, may be patented without reference to the provisions of said act.

Previous to the date of said mining act of 1872, lands containing deposits of iron ore were disposed of for cash at private entry the same as agricultural lands. The language of the mining act, however, is so comprehensive as to justify the belief that it was the intention of Congress to include iron ore among the mineral deposits to be disposed of under its provisions. Congress by subsequent legislation appears to have placed this construction upon the act.

By the act approved February 18, 1873, it is provided that "deposits or mines of iron in Michigan, Wisconsin, and Minnesota shall be excluded from the operations of the act of May 10, 1872." This is in effect saying that prior to that time deposits or mines of iron had been subject to the operations of said act in these States, and that they remain subject to its operations in the States not specifically named. Lands, therefore, more valuable on account of veins or deposits of iron than for agriculture can be entered only under the mining acts of Congress.

The question having been referred to Hon. G. H. Williams, Attorney-General, as to whether or not title to public lands containing diamonds can be acquired under the mining act of May 10, 1872, the following official opinion was received :

DEPARTMENT OF JUSTICE,  
*Washington, August 31, 1872.*

SIR: I have the honor to acknowledge the receipt of your communication of the 20th instant, submitting for my official opinion the question whether or not title to public lands producing diamonds can be acquired by individuals or associations under the act of Congress entitled "An act to promote the development of the mining resources of the United States," approved May 10, 1872. Section 1 of said act provides "That all valuable mineral deposits in lands belonging to the United States, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and purchase, and the lands in which they are found to occupation and purchase, by citizens of the United States and those who have declared their intention to become such, under regulations prescribed by law, and according to the local customs or rules of miners in the several mining districts, so far as the same are applicable and not inconsistent with the laws of the United States." Section 6 of said act also provides the mode in which a patent may be obtained for land claimed and located for "valuable deposits."

Bainbridge, in his work on the law of mines and minerals, page 1, says: "A mineral has been defined to be a fossil, or what is dug out of the earth. The term may, however, in the most enlarged sense, be described as comprising all the substances which now form or which once formed part of the solid body of the earth, both external and internal, and which are now destitute of and incapable of supporting animal or vegetable life. In this view it will embrace as well the bare granite of the high mountain as the deepest hidden diamonds and metallic ores."

Webster gives the following as the definition of a diamond: "A mineral and a gem remarkable for its hardness, as it scratches all other minerals."

Diamonds are found under a variety of circumstances, and are generally obtained by mining. They are procured in India and South Africa by digging pits in the earth down to a peculiar stratum called the diamond-bed. In Brazil they are washed out of an agglomerate composed of rounded white quartz pebbles and a light-colored sand. Diamonds, then, are clearly "valuable mineral deposits," and the provisions of said act are as applicable to lands containing them as to lands containing gold or other precious metals. Comprehensive words, no doubt, were used to include as well what might afterward be discovered as what might be overlooked in an enumeration of minerals in the statute.

Public lands for the purposes of sale are divided into agricultural and mineral lands. The minimum price of the former is \$1.25, and of the latter \$5 per acre. Mineral lands, exclusive of their valuable deposits, are generally worth little or nothing.

Prior to the act of July 26, 1866, (14 Statutes, 257,) it was customary for persons to take those deposits without respect to the rights of the United States. Congress then provided a way in which persons locating lands for mining purposes might acquire title, and other acts have since been passed promotive of the same end.

I think these acts ought to be most liberally construed, so as to facilitate the sale of such lands, for in that way, and not otherwise, can they be made to contribute something to the revenues of the Government, and controversy and litigation in mining localities, to a great extent, prevented.

Very respectfully, your obedient servant,

GEORGE H. WILLIAMS,  
*Attorney-General.*

Hon. C. DELANO,  
*Secretary of the Interior*

Following the principles enunciated in this opinion, registers and receivers and surveyors-general were instructed as follows:

## DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE.

Washington, D. C., July 15, 1873.

GENTLEMEN: I have had under consideration a number of letters, mostly from California, wherein inquiries are made as to the proper course to pursue to obtain title to public lands containing valuable deposits of borax, carbonate and nitrate of soda, sulphur, alum, and asphalt. Among them is one from the Nevada Consolidated Borax Company, from which it appears that this company intends to commence the utilization of the alkaline plains of Nevada.

The first section of the act of Congress approved May 10, 1872, reads as follows: "That all valuable mineral deposits in lands belonging to the United States, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and purchase, and the lands in which they are found to occupation and purchase," &c.

The second section declares "that mining-claims upon veins or lodes of quartz, or other rock in place, bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, heretofore located," &c.

The sixth section refers to "a patent for any land claimed and located for valuable deposits."

It will be observed that in the first section of the act the expression "valuable mineral deposits" is employed, while in the second and sixth sections the language is, "valuable deposit." Allowing, however, that it was the intention of the law-makers by this act to dispose of "valuable mineral deposits," the question becomes this: "What is a valuable mineral deposit?"

The meaning of the word "valuable" need not be discussed. Anything a person is willing to give money for, or that is useful or precious, or that has merchantable qualities, is valuable.

The word "deposit" has always been construed by this Office to be a general term, embracing veins, lodes, ledges, placers, and all other forms in which valuable metals have ever been discovered.

In the sense in which the term mineral was used by Congress, it seems difficult to find a definition that will embrace what mineralogists agree should be included. The several authorities consulted in this connection seem to find it an easier task to determine what is not, than what is, mineral. However, in all the works on mineralogy that have come under my notice, borax, nitrate and carbonate of soda, sulphur, alum, and asphalt are classified and discussed as minerals.

Alger's edition of Phillips's Mineralogy speaks of "the crust of the globe as consisting chiefly of earths and earthy minerals." Between earths and minerals there is a clear line of demarkation, and, though difficult to express in a few words, chemical composition and crystallization are the principal means of tracing the distinction.

Webster seems to be the most accurate in his definition of a mineral, for he recognizes chemical composition as the important consideration. He defines a mineral to be "any inorganic species, having a definite chemical composition."

From a careful examination of this matter, the conclusion I reach as to what constitutes "a valuable mineral deposit" is this:

That whatever is recognized as a mineral by the standard authorities on the subject where the same is found in quantity and quality to render the land sought to be patented more valuable on this account than for purposes of agriculture, should be treated by this Office as coming within the purview of the mining act of May 10, 1872.

The language of the statute is so comprehensive, and capable of such liberal construction, that I cannot avoid the conclusion that Congress intended it as a general mining law, "to promote the development of the mining resources of the United States," and to afford a method whereby parties holding the possessory right under local laws and regulations could secure title to tracts containing valuable accretions or deposits of mineral substances, except where a special law might intervene, reserving from sale, or regulating the disposal, of particularly specified mineral-bearing lands.

To the several inquiries in the letters referred to, I therefore reply that lands valuable on account of borax, carbonate of soda, nitrate of soda, sulphur, alum, and asphalt, as well as "all valuable mineral deposits," may be applied for and patented under the provisions of the mining act of May 10, 1872.

In case an application should be presented to you for a survey of land valuable for other minerals than those specified herein and in the act itself, you will first refer the question to this Office, in order that applicants may be saved the expense of applying for lands that may be reserved by a special act of Congress.

It will be observed that the mineral-producing lands are divided into two classes: the one class embraces lands where the mineral matter is within "rock in place," or, geologically speaking, "in situ;" and the second includes placers and all forms of deposits excepting those in "rock in place."



In this connection, I deem it a matter of importance to give the construction this Office places upon the expression "vein or lode of quartz or other rock in place," to prevent mistakes in locating the two classes of mines referred to, thereby saving to claimants considerable expense and delay.

In geology and among miners, veins or lodes imply generally an aggregation of mineral matter found in the fissures of the rocks which inclose it, but are of great variety, veins differing very much in their formation and appearance. Lode is a term in general use among the tin-miners of Cornwall, and was introduced on the Pacific coast by emigrants from the Cornish mines, and signifies a fissure filled either by metallic or earthy matter.

In several of the mining-districts the terms lead and ledge are employed in the local regulations concerning mines. Lead is used to convey the same idea as lode, while ledge would seem to indicate a layer or stratum of mineral interposed between a course or ridge of rocks.

Veins may be either sedimentary, plutonic, or segregated, or of infiltration or attrition, depending upon the peculiar formation or the mode of occurrence of the mineral deposit. There is also another form of deposit, different from either of those mentioned by me, called *contact-deposit*.

European miners mention still others, called in England "floors," in Germany "Stockwerke," and a form of deposit known as "Fahlband." These latter are, more properly speaking, ore-bearing belts, irregular in their dimensions, but presenting a certain degree of parallelism with each other. Similar in some respects to the Fahlbands are the metalliciferous zones, or "amygdaloidal bands," which are said to exist on Mount Lincoln and Mount Cross, Colorado.

However, if the question were raised, neither of the forms of deposit known as contact-deposit, Fahlbands, or segregated veins could be accepted as true metalliferous veins, nor could it frequently be made to appear, without expensive excavation, whether the metal in the mine for which a patent is sought occurs in the form of a true vein or not.

But there is no geological significance. The plain object of the law is to dispose of the mineral lands of the United States for money-value, and whatever form of deposit can be embraced in the general phrase "vein or lode of quartz, or other rock in place," must be sold at the rate of five dollars per acre.

It is evidently the policy of the Government to include as much land as possible under this designation, for the reason that, as the most valuable metals and minerals occur in the several vein-formations, it is desirable that the lands wherein they are discovered should be sold in limited quantities, thereby preventing the few from monopolizing large tracts, which ought to remain open to all for exploration and development; and for the further reason that the Government derives a larger revenue from the sale of tracts of this description.

In fine, I include in the first class all lands wherein the mineral matter is contained in veins or ledges, occupying their original habitat or location of the metal or mineral; whether in true or false veins, zones, in pockets, or in the several other forms in which minerals are found in the ORIGINAL ROCK, whether the gangue, or matrix, is disintegrated at the surface or not.

You will please give publicity to this communication where it can be done without expense to the Government.

Very respectfully, your obedient servant,

WILLIS DRUMMOND,  
Commissioner.

The tenth and eleventh sections of the mining-act of July 26, 1866, read as follows, to wit:

SEC. 10. *And be it further enacted*, That wherever, prior to the passage of this act, upon the lands heretofore designated as mineral lands, which have been excluded from survey and sale, there have been homesteads made by citizens of the United States, or persons who have declared their intention to become citizens, which homesteads have been made, improved, and used for agricultural purposes, and upon which there have been no valuable mines of gold, silver, cinnabar, or copper discovered, and which are properly agricultural lands, the said settlers or owners of such homesteads shall have a right of pre-emption thereto, and shall be entitled to purchase the same at the price of one dollar and twenty-five cents per acre, and in quantity not to exceed one hundred and sixty acres; or said parties may avail themselves of the provisions of the act of Congress, approved May twenty, eighteen hundred and sixty-two, entitled "An act to secure homesteads to actual settlers on the public domain," and acts amendatory thereof.

SEC. 11. *And be it further enacted*, That upon the survey of the lands aforesaid, the Secretary of the Interior may designate and set apart such portions of the said lands as

are clearly agricultural lands, which lands shall thereafter be subject to pre-emption and sale as other public lands of the United States, and subject to all the laws and regulations applicable to the same.

Some difference of opinion being entertained by parties in interest as to the proper construction of these sections, it was decided by this Office that Congress did not intend to abolish or do away with the distinction between mineral and agricultural lands, or to allow mineral lands to be classed and disposed of as agricultural, it being simply provided that the public surveys might be extended over a region that was so clearly mineral in character, that it had, previous to the passage of the mining act of July 26, 1866, been reserved for mineral purposes, and that such tracts as should appear to be "properly" and "clearly agricultural" might be disposed of under the laws applicable to agricultural land.

The Secretary of the Interior, in affirming this decision, said :

Congress did not, I think, intend in this act to do away with the well-established distinction, so long recognized by legislation, between agricultural and mineral lands, or to allow lands actually mineral to be acquired under agricultural laws. I think the object of the tenth section was to give to persons who had in good faith made agricultural settlements on public lands theretofore designated as mineral, but subsequently determined to be agricultural, a preference in pre-empting or entering the land as homesteads over those admitted to similar rights by the eleventh section.

The Julia Gold and Silver Mining Company made applications for patents for certain mining-claims situate in the Virginia mining-district, Nevada, under the mining-act of July, 26, 1866. (14 Stat., 251.)

Against these applications for patents, the Chollar Potosi Mining Company and the Bullion Mining Company filed protests, alleging that no veins or lodes underlie the land claimed by the Julia Company other than such as are possessed by the protestants.

On the questions presented in the case, this Office decided as follows :

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., May 27, 1872.*

GENTLEMEN: The papers in the matter of the applications of the Julia Gold and Silver Mining Company for patents for the Julia, Scheel, La Cata, southeast extension of the Hale and Norcross, and the Sarah Ann lodes have been examined.

The applications for patents for these claims were filed in the register's office, September 30, 1871, and notice thereof given in the usual manner by posting and publication for ninety days.

On the 29th of December, 1871, and before said period of notice had expired, Mr. Isaac L. Requa, the superintendent of the Chollar Potosi Mining Company, filed in behalf of said company a sworn protest against patenting said claims, the nature of his objections being in effect as follows, to wit: That on the 4th of February, 1870, a patent was issued by the United States to said Chollar Potosi Mining Company for their claim on the Comstock lode; that they are still the owners of the property described in said patent; that said lodes for which said Julia Gold and Silver Mining Company has made applications for patents conflict with the claim of said Chollar Potosi Mining Company; that said lodes have no existence as separate and distinct lodes from said Comstock lode, "but, on the contrary, all bodies of quartz, or other rock, in place or otherwise, bearing gold or silver, heretofore found, or that may hereafter be found, within the boundaries described in said application of said Julia Gold and Silver Mining Company, are parts and parcels of the said Comstock lode, and belong and appertain thereto, and there is no lode within said boundaries separate and distinct from said Comstock lode; and that said Chollar Potosi Mining Company therefore prays that all proceedings may be stayed until the rights of the respective parties may be adjudicated in the proper courts."

Upon consulting the records of this Office it is found that on the 4th day of February, 1870, a patent was issued to, and in favor of, said Chollar Potosi Mining Company, for fourteen hundred linear feet of the Comstock lode, the premises so granted being bounded "on the east and on the west by the walls of the Comstock lode, not yet definitely ascertained, containing thirty-four (34) acres and seventy-four hundredths ( $\frac{74}{100}$ ) of an acre of land, more or less, as represented in the following plat."

The surface boundaries of the claim so patented are shown by the record to be governed by four posts or monuments situate respectively at the northeast, northwest, southeast, and southwest corners of the claim; said patented surface so bounded representing a rectangle fourteen hundred feet in length by one thousand and eight-one feet

and twenty-four hundredths of a foot in width, embracing thirty-four (34) acres and seventy-four hundredths ( $\frac{74}{100}$ ) of an acre of land, more or less, as expressed in the patent.

The said surface-ground was granted and conveyed by said patent to said Chollar Potosi Company, together with the right to follow said Comstock lode to the distance of fourteen hundred linear feet along the course thereof, "with its dips, angles, and variations, to any depth, although it may enter the land adjoining."

In the adverse statement or protest filed as aforesaid, it is not asserted that the surface-ground claimed by said Julia Mining Company, in their said applications, includes or embraces any part or portion of the surface so described, bounded, and patented to said Chollar Potosi Mining Company; the objection or protest being an asseveration that the several lodes applied for as aforesaid by the Julia Company have no existence as separate and distinct lodes from the Comstock lode so patented to them, the said Chollar Potosi Company, but that, on the contrary, all bodies of quartz, or other rock, in place or otherwise, bearing gold or silver, heretofore found, or that may hereafter be found, within the boundaries described in said application of said Julia Gold and Silver Mining Company, are parts and parcels of the said Comstock lode, and belong and appertain thereto, and there is no lode within said "boundaries separate or distinct from said Comstock lode," &c.

No proof or evidence of any kind whatever is found among the papers in support of this statement that the lodes sought to be patented by the Julia Company as aforesaid are identical with the Comstock lode.

With the applications are found certain abstracts of title from the county-recorder, from which it appears that the Julia lode was located May 25, 1863; that the Scheel lode was located February 23, 1866; that the La Cata lode was located March 9, 1866; that the southeast extension of the Hale and Norcross lode was located October 22, 1866; that the Sarah Ann lode was located March 13, 1868, in accordance with the local rules and customs of miners; and that the record-title to the whole of the property thus located is now in the applicants for patent.

It appears, from a certificate from the clerk of the court having jurisdiction, that no suit has been commenced, or is now pending, against said company—applicants bringing into question the title to said claims.

There is evidence with the case that an amount of more than one thousand dollars has been expended upon each of said locations, and that in the aggregate more than one hundred and twenty-five thousand dollars have been expended upon the same in actual labor and improvements.

In the sworn statement of Mr. W. E. Judd, he alleges that he is the superintendent of said Julia Mining Company; that said company and their grantors have been the owners, and in the quiet and peaceable possession of said lodes, for a period of time in excess of that prescribed by the Nevada statute of limitations for mining-claims, to wit, from the dates of the respective locations; that said lodes have been occupied, improved, and worked in accordance with the local laws, rules, and customs; that he has made a thorough examination of the Julia company's said claims and developments; that more than two hundred feet of the extreme west of the west drift, on the four-hundred-foot level, is granite, or country-rock, and that said drift terminates in the same kind of rock, and that he is satisfied that this granite, or country-rock, is the west wall of the Julia lode; that the said veins or lodes dip to the east at an angle of from 45° to 50° from said granite rock; that each of said lodes is a separate and distinct lode from the Comstock lode; that the croppings of the Comstock lode are from eighteen hundred to two thousand feet west of the croppings of the Julia lode, which is the most westerly of the lodes claimed by said Julia Mining Company, &c.

This sworn statement is supported by the affidavits of N. K. Lawson, L. M. Wood, T. J. Chambers, Henry Simons, Charles Harper, J. C. Grant, A. J. Grant, and H. J. P. Scheel.

A very careful examination of all the papers in this case has been made, from which it would appear that the objections of the Chollar Potosi Company to the Julia Company's said applications for patents are based rather on a contingency which may possibly hereafter occur than anything at present definite or tangible.

It is possible that the Comstock lode and all of the veins or lodes claimed by the said Julia Company may at some remote period be found, in their course downward into the earth, to converge and unite, and below their point of junction form one main fissure; but as this is a contingency only determinable by future developments, the wisdom and justice are not perceived of indefinitely suspending the execution of the United States mining-laws on any claims which may be in the neighborhood of either the Comstock or any other lode, to await such future event.

It would be useless to carry any such vague undeterminable question as this into the courts, for the reason that, until sufficient explorations and developments have been made to *actually establish* the fact that the lodes unite and are identical, the judgment in view of the developments of to-day might be reversed by the same tribunal the next month or the next year by further developments.

Construction of the law which would suspend the disposal of the mineral lands and

prevent the Government from obtaining its price therefor until such hypothetical controversies as these can be finally adjusted in the courts, in my judgment, should not prevail, for the reasons—

1st. That if this is to be allowed in the present case, a precedent will thereby be established for interposing like objections to any and all applications for patents in any mining-district, until it can be determined in the courts whether all such veins in the district are identical, thus putting it into the power of a few persons to completely nullify the law in such district, and to defeat the very purpose for which it was enacted by Congress; and—

2d. That if these claims are to remain suspended from sale for an indefinite period, to determine a supposed underground conflict, the ore, the only valuable part, will have in the mean time been extracted from the same, rendering the ground barren and worthless, in which event no one would purchase it from the Government.

But by the fourteenth section of the act of Congress approved May 10, 1872, entitled "An act to promote the development of the mining resources of the United States," provision is made to meet just such a condition of affairs as that supposed by the adverse claimants to exist in this case, to wit, that of lodes uniting in their course downward into the earth; the second proviso to said section declaring "that where two or more veins unite, the oldest or prior location shall take the vein *below the point of union*, including all the space of intersection." The Chollar Potosi Company hold their claim upon the Comstock lode both by priority of location and by patent from the United States, so that even if the lodes claimed by the Julia Company should be patented, and after further developments be found to unite with the Comstock lode, said Chollar Potosi Company, in view of the law and by reason of their prior location and patent, would be as fully invested with title to said lode *below the point of union*, including all the space of intersection, as if the Julia claims had not been patented; their right, however, to the veins claimed by said Julia Company *above* the point of intersection, should they be found to unite, not being recognized by said statute.

It is perfectly clear to my mind, therefore, that the Chollar Potosi Company cannot be injured in any just or legal right by granting a patent for the claims applied for by the said Julia Company, and their adverse filing is accordingly rejected, as being insufficient under the law to justify a suspension of proceedings.

On the 30th day of December, 1871, the Bullion Mining Company, by their superintendent, Mr. E. A. Schultz, appeared at the office of the register and receiver to file an adverse notice or protest against said Julia Company's applications for patents on the Julia, La Cata, Sarah Ann, and southeast extension of the Hale and Norcross; but the same was not filed in consequence of the absence of the register, as appears by the receiver's indorsement upon the papers, until the 11th of March, 1872.

The said Bullion Company's claim is upon the Comstock lode south of and adjoining the said Chollar Potosi Company's ground, and was located June 23, 1859, long prior to the dates of the locations claimed by the said Julia Company.

The nature of the protest of the Bullion Company is the same as that of the said Chollar Potosi Company, hereinbefore set forth, with this exception, that the Bullion claim has not yet been patented, and their adverse filing is rejected for similar reasons.

You will notify the parties in interest accordingly, allowing sixty (60) days from such notice in which an appeal may be taken to the honorable Secretary of the Interior.

In the event of a final survey being made of the said Julia Company's claims, it will be incumbent upon the surveyor-general to definitely ascertain and report whether or not the said claims lie within the two thousand (2,000) feet limits of the proposed or located line of the Sutro tunnel; the act of Congress approved July 25, 1866, (14 Stat., 242,) granting the right of way for the construction of said tunnel, withholding from sale by the United States all lodes *other than the Comstock* situate within two thousand feet on each side of the line of said tunnel, which were at the date of said act in the *bona-fide* possession of other persons; and allowing Mr. Sutro, his heirs or assigns, the right to purchase such other veins or lodes from the United States, should the claimants thereof abandon, fail to work, possess, or hold the same according to the mining rules and regulations.

Very respectfully,

WILLIS DRUMMOND,  
Commissioner.

REGISTER and RECEIVER,  
Carson City, Nevada.

An appeal having been taken from the foregoing decision to the honorable Secretary of the Interior, that officer approved the action of this Office in the following letter:

DEPARTMENT OF THE INTERIOR,  
Washington, D. C., February 24, 1873.

SIR: I have considered your decision, rendered May 27, 1872, in the matter of the application of the Julia Gold and Silver Mining Company for patents for the Juli-

Scheel, La Cata, southeast extension of the Hale and Norcross, and the Sarah Ann lodes in Nevada.

The facts are as follows:

On the 30th September, 1871, applications for patents for these claims were filed in the register's office at Carson City, Nevada, and notice was given in the usual manner for ninety days. On the 20th of December, 1871, and before said ninety days had expired, Mr. Isaac L. Requa, in behalf of the Chollar Potosi Mining Company, filed, in behalf of said company, a protest against issuing patents for said claims, on the ground that, on the 4th of February, 1870, a patent had been issued to said Chollar Potosi Mining Company for their claim on the Comstock lode; that they are still the owners of the property described in said patent; that said lodes for which the Julia Gold and Silver Mining Company has made application for patents are the same which underlie the ground embraced in the patent issued to this Chollar Potosi Mining Company; and that underlying the land claimed by the Julia Company, there exists no other vein, lode, or lodes, than such as are embraced in the patent to the Chollar Potosi Company. Wherefore the Chollar Potosi Company pray that all proceedings may be stayed until the rights of the respective parties shall have been adjudicated in the proper local courts.

There is no claim on the part of the Chollar Potosi Company that their *surface-rights* conflict with the *surface-claims* of the Julia Company. The patent to the Chollar Potosi Company is for fourteen hundred (1,400) linear feet of the Comstock lode, the premises granted being bounded on the east and the west by the walls of the Comstock lode, not yet definitely ascertained, containing 34.74 acres, more or less.

It appears that the Julia lode was located May 25, 1863; the Scheel lode, February 28, 1866; the La Cata lode, March 9, 1866; the southeast extension of the Hale and Norcross lode, October 22, 1866; and the Sarah Ann lode, March 18, 1866, in accordance with the local rules and customs of miners; and the record-title to the whole of the property thus located is now in the Julia Company.

It also appears that no legal proceedings have been instituted against the Julia Company calling in question its right to patents. It further appears that the Julia Company has in all respects complied with the mining-laws, and all the rules and regulations made in accordance therewith, which are necessary to be complied with, before asking for patents for the several claims.

The question thus raised is, whether the protest entered by the Chollar Potosi Company against the issuance of patents to the Julia Company, and the reasons assigned by the Chollar Potosi Company for such protest, constitute "*an adverse claim*" within the meaning and spirit of the third and sixth sections of the act approved July 26, 1866, "granting the right of way to ditch and canal owners over the public lands, and for other purposes." (14 Stat., 251.)

In order to understand and correctly decide this question, it will be necessary to consider the various provisions of said act, and thus to arrive at its true construction and the legal intent of its authors.

The first section of the act enacts that "the mineral lands of the public domain, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and occupation by all citizens of the United States, and those who have declared their intention to become citizens, subject to such regulations as may be prescribed by law, and subject also to the local customs or rules of miners in the several mining-districts, so far as the same may not be in conflict with the laws of the United States."

The second section provides that when any person claims a vein or lode of quartz, &c., having occupied and improved the same according to the local customs where the same is situated, and having expended thereon, in actual labor and improvements, an amount not less than a thousand dollars, (\$1,000,) and "*in regard to whose POSSESSION there is no controversy or opposing claim,*" such claimant may file in the local land-office a diagram, and enter such tract and receive a patent therefor, granting such mine, together with the right to follow such vein or lode, with its dips, angles, and variations, to any depth, although it may enter the land adjoining, "*WHICH LAND ADJOINING SHALL BE SOLD SUBJECT TO THIS CONDITION.*"

The third section makes provision for a notice of the intention of the applicant to apply for a patent, and directs the register of the land-office in regard to the manner of publishing the notice for such claim; and provides that, after the expiration of ninety days from such publication, if no "*adverse claim*" shall have been filed, the surveyor-general shall survey the premises and make a plat thereof, indorsed with his approval, and then declares that upon the payment to the proper officer of five dollars (\$5) per acre, together with the cost of such survey, plat, and notice, and the giving satisfactory evidence that the diagram and notice have been posted on the claim during the period of ninety days, the register of the land-office shall transmit to the General Land-Office such plat, survey, and description, and a patent shall issue for the same.

The sixth section provides that whenever "*an adverse claimant*" to any mine located as aforesaid shall appear before the approval of the survey, as provided in the third

section, proceedings shall be stayed until final settlement and adjudication in the courts of the "*rights of possession to such claim*," when a patent may issue as in other cases.

It will be observed that the second section, after pointing out what is to be done by any person or association claiming a vein or lode of quartz, before a patent is issued to such person therefor, describes it as one "in regard to whose possession there is no controversy or opposing claim." It also provides that when the patent is issued granting such mine, the right to follow the vein or lode with its "dips, angles, and variations to any depth, although it may enter the land adjoining," is distinctly recognized. Then it is enacted that the "*land adjoining shall be sold subject to this condition*." The sixth section then provides that when an "adverse claimant" to any mine shall appear, all proceedings shall be stayed until the courts shall determine "*the rights of POSSESSION to such CLAIM*."

In this case, the Chollar Potosi Company asserts no right of possession to the premises for which the Julia Company ask patents. In regard to the surface-possession of the property sought to be patented by the Julia Company, there is no "*controversy*" nor "*opposing claim*." It is asserted, however, that the Comstock lode, previously patented to the Chollar Potosi Company, underlies the surface of the several claims for which the Julia Company ask patents, and it is also asserted that there is no lode or vein of quartz or other rock in place, bearing gold, silver, cinnabar, or copper, beneath the surface of the several claims of the Julia Company, except it be the Comstock lode, embraced in their patent before referred to. Is this such an "adverse claim" to the "possession" or "right of possession" of the Julia Company as is referred to in the third and sixth sections of the act? Does this raise a "controversy" or "opposing claim" in regard to the "possession" of the property for which the Julia Company is seeking patents? If so, how is the adjoining land to be sold subject to the rights of the Chollar Potosi Company? If, by merely asserting that the lode patented to this company is the only lode underlying the land claimed by the Julia Company, they can prevent the issuance of a patent to the Julia Company until the question is settled as to whether their assertion is correct or erroneous, how can such "*adjoining land*" ever be sold "*subject to the rights*" of the Chollar Potosi Company?

The chief purpose of this mining-law is to open all the mineral lands of the country to "exploration and occupation," and thus to encourage and stimulate mining-operations. Hence the fourth section of the act limits the quantity of surface which any *individual* may take to two hundred feet in length, and provides that no person shall make more than one location on the same lode, and that not more than three thousand feet shall be taken in any one claim by any *association*.

It seems to have been foreseen by the authors of this law that, without some unmistakable expression authorizing "*land adjoining*" to be sold, difficulties such as this case presents might arise, and to prevent this, and keep open and free to "exploration and occupation" *all the mineral lands* of the nation, it was enacted that land should be disposed of in very limited quantities, and that lands "*adjoining*" those first located should remain open to exploration and sale, subject to such rights as might have vested in the first locator. Considering this act in all its parts, keeping each of its provisions in view, and observing the relations of one to the other, it seems clear to my mind that in establishing this system for the sale of the mineral lands, it was intended to allow the first patentee to follow his vein, though it may lead him under "adjoining lands." It seems equally clear that it was also intended that such "adjoining land" should be sold subject only to this right; and it seems equally clear that their right to follow a vein under adjoining land does not create a "controversy" or "opposing claim" under the second section, nor an adverse claim under the third section, to the possession of him who enters the adjoining land for mining-purposes.

There is, in this case, no controversy about the "possession" of the surface of the several claims for lodes made by the Julia Company, and hence I conclude that the Chollar Company has made no such "adverse claim" to the property sought to be patented by the Julia Company, as is necessary, by the act aforesaid, in order to require proceedings to be stayed until "final settlement in the courts of the rights of *possession to such claim*" be had. To allow any other construction would enable the first patentee greatly to obstruct the sale of the mineral lands; for, if a previous patentee sees fit to claim that his vein or lode underlies adjoining land, he can prevent this land from being patented to an indefinite extent of surface, until the fact is ascertained by legal proceedings whether such claim is true or false. He may thus suspend the sale of "adjoining land," and, indeed, prevent any sale "subject to his rights," because he will require these rights to be determined before the adjoining land is patented.

By issuing a patent to the Julia Company the legal rights of the Chollar Potosi Company cannot be impaired, because the patent itself, following the direction of the statute, will provide that the adjoining lands are sold subject to the rights of the Chollar Potosi Company. That company, if satisfied that its vein or lode is the only one underlying the surface claimed by the Julia Company, can enjoin, in a court of equity, the Julia Company from proceeding to take minerals previously patented to the Chollar

Company, and, upon making good their allegations, will at once obtain a perpetual prohibition of the Julia Company from proceeding to take such minerals.

This construction of the act will enable the Government to proceed to sell "adjoining land," "subject to the rights" of previous patentees, and will prevent the first patentee from prohibiting the Government the exercise of this privilege when adjoining lands are found which are supposed to contain other veins or lodges of mineral than such as have been previously patented. I cannot eradicate from my mind the necessity of this construction. Any other view of it seems to me unreasonable, and against the spirit of the entire act, with a strong tendency, at least, toward an adherence to the letter, rather than to follow the reason, of the law. I therefore affirm your decision, and direct that patents be issued to the Julia Company for its several claims, which, on their face, shall show that they are issued subject to the legal rights of all previous locators or patentees.

I am the better satisfied with this conclusion because I understand that it conforms to the uniform practice and rulings of your Office since the passage of what is termed the mining-act.

The papers are herewith returned.

I am, sir, very respectfully, your obedient servant,

C. DELANO, *Secretary.*

HON. WILLIS DRUMMOND,  
*Commissioner General Land-Office.*

The following decisions construing the act of Congress approved March 3, 1853, (10 Stat., 244,) involving the right of the State of California to sections 16 and 36, when shown to be mineral in character, have been rendered:

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., June 18, 1872.*

GENTLEMEN: The papers, testimony, arguments, and your joint opinion in the matter of a controversy between certain mining-claimants, the town of Amador, and Henry Casey, grantees of the State of California, affecting the right to the east half of section 36, in township 7 north, range 10 east, Mount Diablo meridian, have been examined. The question involved is mainly one of law, viz: as to the right of the State of California, under the grant of 3d March, 1853, to lands found upon survey to be numerically designated under our public-land system as sections 16 and 36, where such lands were, at the date of such survey and designation in the *bona-fide* possession of parties properly qualified, who claim the right of having the mining and town-site laws of the United States executed in their favor.

It has never been clear to this Office that the grant by the act of 3d March, 1853, of sections 16 and 36, to the State of California, for school-purposes, vested any right in said State to mines, or that the decision of the Supreme Court, case of Cooper *vs.* Roberts, affirming the right of the State of Michigan to certain copper-bearing lands in school-section 16, in that State, was applicable to California for the reasons—

1st. That the said act of March 3, 1853, "to provide for the survey of the public lands in California, the granting of pre-emption rights therein, and for other purposes," is simply a law in the ordinary meaning of the term, and as such repealable at the will of the law-making power; whereas the act approved June 23, 1836, entitled "An act supplementary to the act entitled 'An act to establish the northern boundary-line of the State of Ohio, and to provide for the admission of the State of Michigan into the Union on certain conditions,'" belongs to that class of laws which are legislative compacts, and which in that case became obligatory and binding upon the parties to it, viz: the United States and the State of Michigan, on the 25th July, 1836, that being the day upon which the State of Michigan passed the act of acceptance; and

2d. That the said act of March 3, 1853, the sixth section of which grants sections 16 and 36 to the State of California for schools, contains a special condition in the last proviso to its second section, "That none other than township-lines shall be surveyed where the lands are mineral," a provision of law not applied by Congress to surveys in the State of Michigan, for the probable reason that no mines were known to exist in that State when the authority of Congress was first given for extending the survey therein.

The inhibition as to survey of other than township-lines where the lands were considered mineral was not repealed by Congress until the passage of the laws of July 26, 1866, and July 9, 1870, commonly known as the "mining acts," the first of which, in its tenth and eleventh sections, and the latter, in its sixteenth section, provide for extending the United States surveys to the lands previously designated as mineral, and which had been excluded from survey or sale as such, the eleventh section of said statute of July 26, 1866, providing "that upon the survey of the lands aforesaid, the Secretary of the Interior may designate and set apart such portions of the said lands

as are *clearly agricultural* lands, which lands shall thereafter be subject to pre-emption and sale as other public lands of the United States, and subject to all the laws and regulations applicable to the same."

It is not readily understood by what process of reasoning the sixth section of said act of March 3, 1853, can be construed to mean a present grant of sections 16 and 36 of lands which were by the second section of the *same act* expressly *excluded from survey as mineral*.

The land comprising what is now designated township 7 north, range 10 east, Mount Diablo meridian, forms a part of Amador County, California, in the mining-region, and was of course reserved from survey or disposal until after the passage of the said mining-act of July 26, 1866, it not having been surveyed into sections and platted until the year 1870.

The deputy surveyor returned the east half of section 36 in said township as vacant agricultural land, as appears from the official plat thereof—a return shown by the evidence to be grossly incorrect and fraudulent, the testimony clearly establishing that the town of Amador, which lies within said subdivision, was plainly visible from numerous points along the lines run by the surveyor, as were also the improvements, &c., of the several quartz-mining companies whose mines are within said east half of section 36.

The seventh section of said statute of March 3, 1853, provides for pre-emption claims upon school sections 16 and 36, but fails to provide for mining-claims, for the very excellent reasons, 1st, that Congress in said act had only given authority for the survey of *agricultural* lands upon the sixteenth and thirty-sixth sections, on which it was well known that agricultural pre-emption claims would often be found, rendering it necessary to provide the means for their protection and for indemnifying the State by granting lieu land for the areas so pre-empted; and, 2d, that Congress having by said act expressly limited the extension of surveys to *agricultural* lands, that body considered that inhibition in itself ample and complete protection to miners against school or any other kind of claims; there being no section 16 or 36 so long as this region remained a part of the reserved mineral land of the United States.

The mining-act of July 26, 1866, provides, among other things, for granting patents for mining-claims upon surveyed and *unsurveyed* lands, and a number of mines upon unsurveyed public lands have been patented in accordance with said statute. If said act of March 3, 1853, is to be interpreted as being a *present grant* of all the unsurveyed lands in California, which, upon survey into sections, are found to be designated sections 16 and 36, it follows of course that in case any of the mines so patented are found, when such surveys are made, to be within the sections so designated, the title so issued will become void and the right of the State attach, the same as if no such patents had ever been issued.

Such construction of the law would not only be preposterous and absurd, but would be disastrous in a great measure to the mining-interests, inasmuch as no miners upon unsurveyed lands can tell whether they are upon school-lands or not, or whether they could with safety go to any expense in opening up *any* mine, in view of the possible contingency of it being upon what may hereafter be found to be a school-section, in which event their time, labor, and expenditures would, instead of being of any advantage to themselves, only enhance the value of the property of the State or of its assignees. The first section of the mining-statute of July 26, 1866, enacts "that the mineral lands of the public domain, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and occupation by all citizens of the United States and those who have declared their intention to become citizens," &c.

Holding, therefore, as this Office does that prior to the 7th October, 1870, the date of filing the plat of said township, the said east half of section 36 formed a part of the unsurveyed mineral lands of the public domain, within the scope and meaning of said first section, it is ruled that the parties who were in the actual occupancy and possession of mining-claims under local regulations in said subdivision at the date of the filing of said township-plat were in such occupancy and possession under authority of said statute of July 26, 1866, and that they or their grantees, upon compliance with the mining-laws of Congress, will be entitled to patents for their respective claims, the same as if they were upon unsurveyed lands or within sections other than 16 or 36.

With regard to the town of Amador, it appears from the record that it was settled previous to the year 1853; that on the 23th November, 1870, J. Foot Turner, county judge, filed in your office D. S. No. 2171, in trust for the inhabitants of said town, claiming the right to enter the northeast quarter, east half of northwest quarter, northwest quarter of southeast quarter, and northeast quarter of southwest quarter of said section 36, in virtue of the town-site law of March 2, 1867; that he subsequently filed abandonments of said town-site claim so far as it affected the north half of northeast quarter of said section, and the veins, lodes, or ledges and surface ground claimed by the several mining-companies in the east half of said section.

The town-site law of 2d March, 1867, expressly provides that no title shall be acquired



under its provisions to any mine of gold, silver, cinnabar, or copper, and the act amendatory thereof, approved June 8, 1868, provides that no title under said act of 2d March, 1867, shall be acquired to any valid mining-claim or possession held under existing laws of Congress.

Several mining-claims are shown to exist within the limits of the land claimed for said town-site; therefore this Office will not finally pass upon said town-site application until all mining-claims within its limits shall have been adjusted according to law, it being decided that after all the mining-claims therein shall have been segregated and finally adjusted, the remainder of the land included by said town-site application may be entered in the usual manner by the inhabitants of the town, as provided by law.

As a portion of the said town of Amador appears to lie upon some of these quartz-claims, it will be necessary, in issuing the patents for the mines, to insert a special clause excepting and excluding from such conveyance any and all town property or municipal rights upon the surface-ground so patented, such as houses, buildings, structures, lots, blocks, streets, alleys, or other improvements not belonging to the grantee named in the patent, and all rights necessary or proper to the occupation, possession, or enjoyment of the same. You will notify all parties in interest hereof, allowing sixty days from notice, in which an appeal may be taken to the honorable Secretary of the Interior, should the same be desired.

Very respectfully, your obedient servant,

WILLIS DRUMMOND,  
*Commissioner.*

REGISTER and RECEIVER,  
*Sacramento, California.*

DEPARTMENT OF THE INTERIOR,  
*Washington, April 28, 1873.*

SIR: I have examined the case of the Keystone Consolidated Mining Company, Original Amador Mining Company, Bunker Hill Quartz Mining Company, Eureka Quartz Mining Company, and town-site of Amador City *vs.* The State of California, on appeal to the Department from the decision of the Commissioner of the General Land-Office of June 18, 1872.

The land in question is the east half of section 36, township 7 north, range 10 east, Mount Diablo meridian, in the State of California. The State claims the entire tract under the act of Congress of March 3, 1853, (10 Stat., 244, sec. 6,) as school-land. The mining-companies claim a portion of it under the act of July 26, 1866, (14 Stat., 251,) and Amador City claims a part of it under the act of March 2, 1867, (14 Stat., 541.) The land is mineral land, and said mining-companies located their mines for most of the territory now claimed by them in 1851, and for the remainder in 1856, 1863, and 1864. They have continuously worked these mines from time of location to the present, and have expended on the same a large sum, exceeding \$1,000,000, and have realized from them a still larger sum. They have complied with all the provisions of the act of July 26, 1866, and have made their respective applications in due time.

Amador City was located on the half-section in controversy, in the immediate vicinity of said mines, in 1851, and then had a population of about seventy-five persons. It contained about three hundred inhabitants at the date of the act of March 3, 1853, and now contains about five hundred. It has about one hundred dwelling-houses, two stores, two saloons, one hotel, one post-office, one express-office, one telegraph-office, one church, and one school-house. It has filed an abandonment of all claim to any portion of the legal subdivisions upon which it is situated, so far as the same conflicts with the claim of either of the mining-companies.

The survey of the township-lines of said township 7 was completed August 27, 1869. The section-lines were run March 10, 1870. The plat was approved September 30, 1870, and filed in the local office October 7, 1870. The State of California on the 4th of November, 1870, sold to Henry Casey the east half of said section 36 for the sum of \$400, and the claim to the same is now prosecuted by him or those who claim under him.

Upon these facts it is conceded by all parties to this contest that each of the said mining-companies is entitled to a patent for the lands claimed by it unless the title for said half-section is now vested in the State of California or its grantee. It is also conceded that the claim of Amador City is good and valid unless in conflict with the title of the State or its grantee.

The local officers rejected the title of the State, and their decision was affirmed by the Commissioner.

The claimant under the State has appealed, and the whole case is now before this Department on its merits. It involves a construction of the act of March 3, 1853, entitled "An act to provide for the survey of the public lands in California, the granting of pre-emption rights therein, and for other purposes."

In attempting to ascertain the true meaning of this act, I shall assume, as hornbook law, that in every valid grant there must be a grantor capable of making the grant, grantee capable of taking it, and a thing granted capable of identification with

reasonable certainty; that all grants made by the General Government to individuals, corporations, or States are to be construed strictly against the grantee, and that nothing passes by implication; that the intent of the law-makers is to govern, and that such intent is to be gathered from the entire act.

In the further examination of this case I propose to consider the following inquiries:

First. When does title vest in the State to sections 16 and 36 under said act?

Second. Does the seventh section except from the grant, land upon which settlement has been made prior to survey for other purposes than pre-emption appropriation?

Third. Does the grant include mineral lands in sections 16 and 36?

First. When does title vest in the State to sections 16 and 36 under said act? Section 6 of the act reads as follows: "That all the public lands in the State of California, whether surveyed or unsurveyed, with the exception of sections 16 and 36, which shall be, and hereby are, granted to the State for the purposes of public schools in each township, and with the exception of land appropriated under the authority of this act or reserved by competent authority, and excepting also the lands claimed under any foreign grant or title, and the mineral lands, shall be subject to the pre-emption laws of fourth September, eighteen hundred and forty-one," &c.

It is claimed by appellant that this section contains a grant *in presenti* to the State, taking effect from the date of the act, upon all tracts afterward located by Government survey on sections 16 and 36 in each township, and that complete title was vested in the State to the same on the 3d of March, 1853, and that Congress thereafter had no power to provide a way for a different disposition of any such lands. On the other hand, it is claimed, on behalf of the mining and town-site companies, that the grant, though in words *de presenti*, was in fact a grant in the nature of a float, taking effect to vest title upon no specific tracts until survey, and that, until such survey, Congress had power to make other and different disposition of the land.

The power of Congress to change, modify, alter, or repeal the grant in question at any time prior to the date when title vests in the State, will not, I think, be questioned; and it is equally clear that after title has once vested, Congress has no further power to alter, modify, or change the grant. It is evident, therefore, that, with reference to this branch of the case, it is only necessary to inquire whether title to sections 16 and 36 vested in the State prior to the act of July 26, 1866. If it did, then Congress had no power to dispose of the land in the manner pointed out in that act; if it did not, then the title of the mineral claimants is good, and patents must issue to them for the tracts claimed.

In my opinion, the sixth section of the act of 1853 should be construed as a grant to the State *in presenti*, in the nature of a float, taking effect upon specific tracts when the same are surveyed by the United States, and not before. The grant is in words *de presenti*, but until survey there are no tracts or parcels of land in existence answering to the calls of the grant. A beneficial interest under it can only ensue to the State when the United States, in extending the lines of the public surveys, set apart certain tracts and designates them as sections 16 and 36. It will not be denied that Congress had the legal power, no matter what may be said of the political obligation of the Government, to provide that this land should never be surveyed, or that in surveying it a different method should be adopted than that now in use, and no such tracts as sections 16 and 36 be set apart. Would not the passage of such an act have operated to entirely defeat the grant to the State? The grant calls for certain tracts by recognized technical designations. No such tracts could be found, and the State would be without remedy to compel the Government to create them. A like effect would be produced by a refusal of the executive officers of the Government to extend the surveys. The State would be indefinitely without beneficial interest in the grant. Of course, the happening of the contingency I have mentioned could hardly for a moment be apprehended, for the United States is, in good faith to the State and in the performance of its political obligations, bound, within reasonable time, in the extension of the public surveys, to set apart the tracts granted; but I refer to it to show the nature of the grant in the State and its liability to defeat before survey.

I think the grant is in its nature the same as that usually made by Congress to railroad companies to aid in the construction of their roads. These grants are generally for a certain number of sections, designated by odd numbers on each side of the road, with a provision for indemnity selection in case any of such sections shall have been sold or otherwise disposed of prior to the definite location of the line. The highest judicial authority (*Railroad vs. Smith*, 9 Wallace, 99; *Railroad vs. Frémont Co.*, 9 Wallace, 90) has repeatedly held that these grants did not vest any right in the companies to specific sections until the line of the road was definitely fixed on the face of the earth. The grant to California by the act of 1853 is similar. It is for certain sections designated by numbers, the precise location of which cannot be definitely ascertained until survey. The grant in both becomes certain upon the happening of a contingency—in the former by definite location; in the latter by survey. In the railroad cases the Supreme Court holds that title to specific tracts vests only on the happening of this contingency that makes the grant certain as to location. Why should not the same

rule be applied to the grant to the State, and the title held to be vested upon the happening of the contingency that makes that grant certain as to location?

In the case of *Gaines et al. vs. Nicholson*, (9 How., 365,) passing upon the right of the State of Mississippi to school-sections under an act (2 Stat., 229) reserving section 16 in each township for the support of schools, and two subsequent acts providing for indemnity to the State for loss of same by reason of interference with foreign grants and for leasing such lands for the support of schools, the Supreme Court said: "The State of Mississippi acquired a right to every sixteenth section by virtue of these acts on the extinguishment of the Indian right of occupancy, the title to which in respect to the particular sections became vested, if vested at all, as soon as the surveys were made and the sections designated."

The case of *Cooper vs. Roberts*, (18 How., 173,) although cited and relied upon by counsel for the State, seems not to sustain their position, but rather follows and affirms the principles enunciated in *Gaines vs. Nicholson*.

The United States, in her compact with the Territory of Michigan on her admission to the Union as a State, ratified July 25, 1836, appropriated to the State section 16 in each township for the benefit of schools. The land in controversy was surveyed in the summer of 1847, and designated as section 16. The right of the State to the same was contested by certain mining-claimants asserting rights under a purchase from the Government of lead-mines, under the act of March 1, 1847, to whom a patent had issued reserving the right of the State. The court first examined the history of the usual grants to the States, upon their admission to the Union, for the benefit of schools, showing that these gifts were the result of a cherished policy on the part of the Government for the encouragement of popular education, and declaring that the compact with the States did not except mineral lands from the operation of the grant. The court then said: "We agree that, until the survey of the township and the designation of the specific sections, the right of the State rests in compact, binding, it is true, the public faith, and dependent for execution upon the political authorities. Courts of justice have no authority to mark out and define the land which shall be subject to the grant. But when the political authorities have performed this duty, the compact has an object upon which it can attach, and if there is no legal impediment the title of the State becomes a legal title." The court then passed to the consideration of the question whether any such "legal impediment" was created by the act of 1847, and decided that there was not, for the reason that said act expressly excepted section 16 from its operation. The court then further inquired whether the execution of a lease to the mineral claimants by the Secretary of War, with the right of renewal upon the lessee's compliance with certain conditions, upon which lease the claimants, having continued in possession and complied with conditions, were allowed to make entry under the act of 1847, was a legal impediment preventing the title from vesting in the State, and held that it was not such an impediment for the reason that the claim of the company was not perfect under the lease, the act of 1847, and the act of September, 1850, (9 Stat., 472.) The court said: "Hence had there been a legal impediment to the execution of the compact with Michigan, enacted either by the second section of the act of 1847, which separated for some purposes the mineral from the public lands, or by the privileges granted to the lessees or their assigns in the third section of that act, it was removed by the repealing clause of the act of 1850, and the non-compliance with the conditions on which the privileges depended."

It is thus seen that even in the case of a compact between the United States and the State of Michigan, duly ratified by the State, (a much stronger case than that of the simple grant by an ordinary act to the State of California,) the Supreme Court recognized the power of Congress, by subsequent legislation, to interpose a legal impediment to the title to school-sections vesting in the State upon survey. There was no intimation that this power of Congress was doubted by the court. It was plainly recognized in every inquiry, and the title of the State was affirmed on the sole ground that no such impediment existed.

In the case of *Kissell vs. Saint Louis public schools*, (18 How., 19,) in discussing the right of the school-commissioners of Saint Louis to certain out-lots, town-lots, &c., reserved for the use of schools by the act of June 13, 1812, (2 Stat., 148,) and the confirmatory act of January 27, 1831, (4 Stat., 435,) which said lots were to be surveyed under the provisions of the first-mentioned act, the court said: "Our opinion is that the school-lands were in the condition of Spanish claims after confirmation by the United States, without having established and constructed boundaries made by public authority, and which claims depended for their specific identity on surveys to be executed by the Government. The case of *West vs. Cochran* (17 How., 413) lays down the dividing line between the executive and judicial powers in such cases, to wit, that until a designation, accompanied by a survey or description, was made by the surveyor-general, the title attached to no land, nor had a court of justice jurisdiction to ascertain its boundaries."

In the case of *Van Valkenberg vs. McClond*, (21 Cal. S. R., 330,) the supreme court of California, in construing the five-hundred-thousand-acre grant to the State, under the

act of Congress of September 4, 1841, (5 Stat., 453,) held that selections could be made thereunder prior to the survey of the land, subject to subsequent change to conform to the Government lines, but this decision was overruled in the subsequent cases of *Terry vs. Megerle*, (24 Cal., 624;) *Grayson vs. Knight*, (27 Cal., 507;) and *Middleton vs. Lowe*, (30 Cal., 596.) In the latter case, referring to the decision in *Grayson vs. Knight*, the question being one relating to the right of the State to sections 16 and 36 under the act of 1853, the court said: "The reasons operating to prevent the State or her vendee from acquiring a title by the aid of a selection made, as in that case before the congressional survey, are equally cogent to show that title to any particular parcel of the lands granted for the purposes of public schools does not vest in the State until such survey has been made. \* \* \* \* It thus appears that the grant to the State has not attached to the land in controversy, (section 36,) both because of the exception in the act of Congress in favor of private grants, and because the lands have not been surveyed by the United States."

The case of *Higgins vs. Houghton*, relied upon by counsel to sustain the claim of the State, seems rather, upon a careful examination, to sustain an opposite view of the law from that contended for. The case involved a question as to the right of the State under the act of 1853 to sections 16 and 36, and the court said: "We consider that in the grant to California of March 3, 1853, the power of locating the quantity granted, one thousand two hundred and eighty acres, in effect in two parcels in every township, was reserved to the Government, and as fast as townships thereafter were surveyed and sectionized, that the State became the owner of the sixteenth and thirty-sixth sections absolutely, not only as to quantity, but as to position also. Township No. 13 was surveyed and properly subdivided subsequent to the grant and prior to May 20, 1861; and since the date of that occurrence, the State, by the effect of the grant, and by the law of the event, has been and is now the absolute and several owner of the sixteenth and thirty-sixth sections of that township as against the Government. If there is any legislation by Congress prior to the grant which would interfere with the conclusion, as the objection in effect supposes, it has not been brought to our notice; and if there has been any legislation since the grant that conflicts with the conclusion, it must be null and void, unless, indeed, it has been acceded to by the grantees." The court here distinctly holds that when township No. 13 was surveyed and properly subdivided, the State, by the effect of the grant and the law of the event, acquired an absolute and several ownership to the sixteenth and thirty-sixth sections. This is what I hold to be the true interpretation of the act, and I have no doubt that, after such survey, the title of the State in agricultural lands was vested and beyond the reach of Congress. I do not understand the reference by the court to possible legislation of Congress to mean anything more than that any subsequent legislation attempting to interfere with this vested right would be null and void.

I find strong support for the view I have expressed in other portions of the act of March 3, 1853, and in contemporaneous legislation. The seventh section provided that where the sixteenth and thirty-sixth sections should be reserved for public uses before the same should be surveyed, other land should be selected by the proper authorities of the State in lieu thereof. At the passage of the act no reservations of lands for public uses in California, or comparatively none, had been made. The public lands were unsurveyed, and reservations would be needed for light-houses, forts, arsenals, fortifications, and Indian reservations. There were then over 60,000 Indians in the State, and provision would necessarily be required for them. In fact, Congress did provide for five Indian reservations in California, of 25,000 acres each, on the very day this act was passed, (10 Stat., 238.) Is it for a moment to be supposed that Congress would, by the sixth section, give to the State an absolute vested right in all lands that should fall upon sections 16 and 36, and in the very next section provide that it should have no right whatever in any of said sections which might thereafter be reserved, before survey, for public uses, but should be compelled to take other lands in lieu thereof? I cannot believe that it so intended.

In opposition to the reasons and authorities above set forth, counsel for the State have cited several cases which they claim sustain a different construction of the act, and which I will now consider. The first of these is *Rutherford vs. Greene*, (2 Wheat., 196.) In 1782 the State of North Carolina passed an act by which the State reserved a tract of land for the relief of officers and soldiers in the continental line, and appointed a board of commissioners to set off the lands allotted to each. The tenth section provided "that 25,000 acres of land shall be allotted for and given to Major-General Nathaniel Greene." The commissioners allotted 25,000 acres to General Greene, and caused the tract to be surveyed, which was done on the 11th of March, 1783. It was claimed that the words "shall be allotted" did not import a grant, and that the legislature, after the allotment and survey, had made a different disposition of the land in controversy, but the court held that the title of Greene was valid. Chief Justice Marshall, in delivering the opinion of the court, said: "As the act was to be performed in future, the words directing it are necessarily in the future tense. 'Twenty-five thousand acres of land shall be allotted for and given to Maj.-Gen. Nathaniel Greene.' Given when \*

The answer is unavoidable. *When they shall be allotted.* Given how? Not by any future act, for it is not the practice of legislation to enact that a law shall be passed by some future legislature, but given by force of this act." "Nothing can be more apparent than the intention of the legislature to order these commissioners to make the allotment, and to give the land, *when allotted*, to General Greene."

"The general gift of 25,000 acres lying in the territory reserved for the officers and soldiers of the line of North Carolina had now become a particular gift of the 25,000 acres contained in the survey." \* \* \* "It is clearly and unanimously the opinion of this court that the act of 1782 vested a title in General Greene to 25,000 acres of land to be laid off within the bounds allotted to the officers and soldiers, and that the survey, made in pursuance of that act and returned in March, 1783, gave precision to that title and attached it to the land surveyed; that his rights are not impaired by the act of 1783 and the entry of appellant, all of which are subsequent to survey."

It would be difficult for the learned counsel to find a case more in conflict with the doctrine which it is cited to support.

In *Lessieur vs. Price*, (12 How., 59,) the Supreme Court construed the act of Congress of March 6, 1820, (5 Stat., 545,) which enacted "that four entire sections of land be, and the same are hereby, granted to the said State (Missouri) for the purpose of fixing the seat of government thereon; which said sections shall, under the direction of the legislature of said State, be located as near as may be in one body, at any time, in such townships and ranges as the legislature aforesaid may select, on any of the public lands of the United States."

Four sections were selected which were claimed under a New Madrid location, and it became material for the court to fix the time at which title vested in the State to the lands selected. The court said: "The land was granted by the act of 1820; it was a present grant, wanting identity to make it perfect; and the legislature was vested with full power to select and locate the land; and we need only here say, what was substantially said by this court in *Rutherford vs. Greene's Heirs*, (2 Wheat., 196,) that the act of 1820 vested a title in the State of Missouri of four sections; and that the selection made by the State legislature, pursuant to the act of Congress, and the notice given of such location to the surveyor-general, and the register of the local district where the land lay, gave precision to the title and attached to it the land selected." And again: "The next inquiry is as to the date when the land selected attached to the grant. June 28, 1821, the governor of Missouri notified the surveyor-general of the fact that the land had been located by the commissioners, and awaited the action of the legislature, and on the 31st day of December, 1821, the land was accepted by the legislature. The same act provides for laying off a town and the establishment of the seat of government thereon. And as the commissioners had power to locate, and did so, subject only to legislative sanction of their report, and that report was sanctioned, our opinion is that the acts were concurrent, and that the title refers to the first act, and therefore that the State took title from the 28th of June, 1821, when the surveyor-general was notified that the location had been made."

Thus it appears that although the court held that the grant was a present one, it also held that title to the particular sections did not vest on the 6th of March, 1820, the date of the act, but did vest on the 28th of June, 1821, the date when the surveyor-general was notified of the selection.

By parity of reason it should be held in the case now under consideration that although the grant to the State by the act of 1853 was a present grant, yet it did not vest title to sections 16 and 36 until a survey had been made which "gave precision to the title and attached to it the land surveyed."

In *How vs. The State of Missouri*, (18 Howard, 126,) the court held that the grant to the State of section 16 in contest, by act of March 6, 1820, (2 Stat., 547,) adopted by ordinance declaring the assent of the State thereto, July 19, 1820, was not affected by the subsequent confirmation by Congress of a Spanish claim theretofore rejected by the board. It appears, however, that the particular section in contest in that case was surveyed prior to the passage of the act confirming the Spanish claim, and that three of the justices dissented from the opinion of the court, if intended to go further than to hold that although the tenth section of the act of March 3, 1811, prevented title from vesting in the State until final decision by Congress on the claim of Vallé, (Spanish claimant,) yet the act of May 24, 1828, confirming lands to Vallé, operated as such final decision, and excepted from confirmation so much land as was included in section 16 then surveyed.

In the case of *Veeder vs. Guffey* (3 Wis., 520) it was held that the act of Congress approved August 8, 1846, took effect upon the admission of the Territory of Wisconsin to the Union as a State; that it vested in the State the title, potentially, to a quantity of land equal to three sections in width on each side of the Fox River, and determined the location of the lands to be the alternate sections on each side of the river, requiring only the ministerial acts of survey, selection, and approval to render the specific parcels which would fall to the State or the United States definite and fixed, and that, by the act, the State, upon admission to the Union, became seized of one-half of the lands

on each side of the Fox River; and, the mode of partition being established by the grant, it was competent for the State to provide modes and terms of sale. It will be noticed that in the act of 1846 are descriptive words very dissimilar from those used in the act of 1853, being as follows: "a quantity of land equal to one-half of three sections in width on each side of said Fox River;" and also that by the second section of the act it is distinctly provided "that, as soon as the Territory of Wisconsin shall be admitted as a State into the Union, all the lands granted by this act shall be and become the property of the State." This express provision of the second section, and the peculiar character of the descriptive words, seem to have governed the court in its decision as to the time when title vested in the State.

Secretary Stuart, September 10, 1851, (1 Lester, 495,) in passing upon the grant to Michigan of school-sections, already referred to, in citing the case of *Cooper vs. Roberts*, (18 How., 173,) said: "I regard it as an absolute grant of every sixteenth section which had not, on the 23d June, 1836, been sold or otherwise disposed of, whether then designated by survey or not." This decision was followed by Acting Secretary Otto, July 10, 1867, in a case involving the construction of the act of 1853, under which the State of California claims. In this case the Acting Secretary said: "The sixth section of the act entitled 'An act to provide for the survey of the public lands in California,' &c., approved March 3, 1853, granted to the State of California, of the public lands, whether surveyed or unsurveyed, sections 16 and 36, for the purposes of public schools, in each township."

From this quotation it would appear that the Acting Secretary construed the sixth section as though it read "with the exception of sections 16 and 36, which, whether surveyed or unsurveyed, shall be, and hereby are, granted to the State for the purposes of public schools," &c. I think it should be construed as though it read as follows:

"*And be it further enacted*, That all the public lands in the State of California, whether surveyed or unsurveyed, shall be subject to the pre-emption laws of fourth of September, eighteen hundred and forty-one, with all the exceptions, conditions, and limitations therein, except as herein otherwise provided, and with the exception of sections sixteen and thirty-six, which shall be, and hereby are, granted to the State for the purposes of public schools in each township, and with the exception of lands appropriated under the authority of this act or reserved by competent authority, and excepting also the lands claimed under any foreign grant or title, and the mineral lands."

I have been shown a newspaper report of a late decision of the supreme court of California, in the case of *Sherman vs. Buick*, in which that court held that the act of March 3, 1853, vested an absolute title in the State to sections 16 and 36 from the date of the passage of the act, and that Congress thereafter had no power to dispose of said sections before survey. The opinion of the court is very brief. It cites and relies upon the former rulings of the court in the cases therein mentioned, which cases, as I understand them, do not go to the full extent claimed for them.

This decision is not satisfactory to my mind, and I apprehend is not entirely satisfactory to the learned court which pronounced it, as I am informed that a rehearing has already been allowed.

I am satisfied, upon full consideration of all the cases cited, and the exhaustive arguments of the able counsel representing all parties in interest, that the weight of authority is clearly in favor of the construction I have given above.

Second. Does the seventh section except from the grant land upon which settlement has been made prior to survey for other purposes than pre-emption appropriation?

The seventh section of the act of 1853 is in part as follows:

"*And be it further enacted*, That when any settlement by the erection of a dwelling-house, or the cultivation of any portion of the land, shall be made upon the sixteenth and thirty-sixth sections before the same shall be surveyed, or when such sections may be reserved for public use or taken by private claims, other land shall be selected by the proper authorities of the State in lieu thereof."

It is claimed on behalf of the mineral claimants that this section excepts from the operation of the grant all lands in sections 16 and 36 upon which a settlement of any kind had been made prior to survey, by the erection of a building or buildings, or the cultivation of any portion of the land, whether such settlement was made with a view to pre-emption or for entry as town-sites, or otherwise. On the part of the State it is claimed that the exception includes only settlements made with a view to pre-emption, and that none other would protect sections 16 and 36 from the grant.

The language of the seventh section is not so clear as to be entirely free from doubt, but a careful examination of the terms used, and a consideration of the various objects evidently intended to be accomplished by Congress in its passage, will show, I think, that the exception includes more than simply settlements with a view to pre-emption.

I call attention to the language used, "that where any settlement, by the erection of a dwelling-house, or the cultivation of any portion of the land, shall be made upon the sixteenth and thirty-sixth sections," &c. A person may erect a dwelling-house on, or he may cultivate, a portion of a tract of land without acquiring a pre-emption claim. Both the erection of a house and cultivation are requisite on the part of a pre-emption.

If Congress had intended to limit the settlement to what is technically known as a pre-emption settlement, I think it would have used more apt words to express such intent. It would have said "that where any pre-emption settlement shall be made," &c. It has done no such thing, but, on the contrary, has adopted such a mode of expression as, to my mind, negatives the idea that a pre-emption settlement alone was intended.

To limit the exception to settlements made by pre-emption claimants would be to protect comparatively few of the actual settlements in any of the mining-districts, and to award to the State many very valuable and lasting improvements made under authority and sanction of law and the usage of the country. It is a notorious fact that few, if any, settlements in the early days of California were made in any portion of the State for the purposes of agriculture. Emigration was drawn to the State and settlements made almost entirely with a view to developing and working the newly-discovered mines. The miners located in villages and small settlements, cultivating the land only so far as was necessary in following their occupation of mining. Under the construction of the act contended for by the State, none of the settlements or improvements so made were protected from the grant, except, perhaps, town-sites upon purely agricultural lands. Is it reasonable to suppose that Congress intended to protect isolated pre-emption claimants, and at the same time grant to the State the valuable improvements of miners, and in some instances include whole villages in the vicinity of the mines? The eighth section of the act expressly provided that the public lands (not mineral) occupied as towns or villages should not be subdivided or subject to sale or appropriation by settlement under the provisions of the act, but should be subject to the town-site act of May 23, 1844, except town-sites on or near mineral lands, the inhabitants of which should have the right of occupancy and cultivation only until such time as Congress should dispose of the same. I do not suppose it will be doubted that this section excepted from the grant to the State any such town-sites found by survey upon agricultural land in sections sixteen and thirty-six; but if the construction of sections six and seven, contended for by the State, be allowed, it is clear that a town located on or near mineral lands would pass to the State under the grant. Can it be for a moment supposed that Congress intended to hold out inducements to miners to settle on or near mineral lands in towns and villages, and by the very same act give their improvements away to the State, while protecting some, and these the solitary agricultural settlers?

One of the great objects of the act seems to be in providing for the disposition of the public lands according to the various elements claiming recognition, and to protect each interest created from encroachment by the others. The seventh section was intended to protect all settlements made upon the public land before survey from the grant to the State, which, from its peculiar nature as to final position, threatened every settler whose claim or improvements were not bounded by subdivisive lines of public surveys. This intention of Congress would be defeated by the construction contended for by the State.

I am of opinion, therefore, that the seventh section of the act excepts from the grant to the State lands upon sections 16 and 36, upon which any settlement by the erection of a building or buildings, or the cultivation of any portion of the land, has been made prior to survey.

Third. Does the grant include mineral lands in sections 16 and 36?

In my opinion Congress, by the act of 1853, did not intend to grant, and did not grant, to the State any mineral lands that, by survey, are shown to be in sections 16 and 36. The act was passed soon after the discovery of the great mineral wealth of California had been made. The attention of the country and of Congress was called to the question of the disposition of such lands. No plan had been adopted. Congress for the first time undertook to legislate in regard to the public lands in that State.

A careful examination of the act will show that Congress did not intend to dispose of any of its mineral lands, but contemplated a future disposition of them. The eighth section provides that the inhabitants of towns located on or near mineral lands shall have the right of occupation and cultivation "only until such time as Congress shall dispose of the same." It evidently did not then suppose that it was disposing of a considerable portion of them. The act, in a great many of its provisions, very carefully reserves the mineral lands from its operation. Thus, in the sixth section it is provided that the mineral lands shall be excepted from the lands subject to the pre-emption laws; in the seventh section it is provided that no person shall obtain the benefits of this act "by a settlement or location on mineral lands;" and in the eighth section it is provided that the inhabitants of towns located on or near mineral lands shall have the right of occupation and cultivation only until such time as Congress shall dispose of the same; and in the twelfth section it is provided that the State shall have the right to select two townships, or seventy-two sections, for the use of a seminary of learning: "Provided, however, That no mineral lands shall be subject to such selection;" and in the thirteenth section the State is given the right to select ten sections for the purpose of erecting the public buildings of the State: "Provided, however, That none of said selec-

tions shall be made of mineral lands." Why all this care and painstaking to exclude mineral lands from these minor provisions if it were intended to give the State mineral lands in the major provision relating to the sixteenth and thirty-sixth sections? I think Congress intended to reserve all the mineral lands from the operation of the act; and that there might be no doubt about this reservation as to the sixteenth and thirty-sixth sections, it expressly provided in the third section "*that none other than township-lines shall be surveyed when the lands are mineral.*" As I have before attempted to show, the grant could not take effect until survey, and this third section, *which must be construed as a part of the act, and in connection with all its other provisions*, expressly prohibits the only survey that could possibly locate these sections. It therefore, in connection with the other express reservations, satisfies my mind that Congress did not intend to make a grant of mineral lands to the State, and that those members of Congress who undertook to speak for the committees having the matter in charge were correct when they stated in debate that no mineral lands were granted by the act. (See Cong. Globe, vol. 25, pp. 1036-1038.)

I regard the act of July 26, 1866, as providing an exclusive method for appropriating the mineral lands of the United States. It was the first act passed by Congress, and perhaps the first ever passed by any government which undertook to dispose of its mineral lands. It provided in its first section, "That the mineral lands of the public domain," (which is equivalent to saying all the mineral lands of the public domain,) "both surveyed and unsurveyed, are hereby declared to be free and open to exploration and occupation, by all citizens of the United States, and those who have declared their intention to become citizens, subject to such regulations as may be prescribed by law, and subject also to the local customs or rules of miners in the several mining-districts, so far as the same may not be in conflict with the laws of the United States."

It required every person claiming any mine to occupy and improve the same, and expend thereon in labor or improvements not less than \$1,000, and to do and perform certain other things. It limited the location of any individual to two hundred feet along the vein, with an additional two hundred feet for discovery, and any association to not more than three thousand feet, and required payment at the rate of \$5 per acre. It provided that, when the mineral lands should be surveyed, the Secretary of the Interior might designate and set apart such portions of the same as were clearly agricultural, and that the same should be subject to pre-emption and sale as other public lands. In short, it adopted a system for the disposition of the mineral lands, and such a system as would give every citizen an equal opportunity to engage in the business of developing them. It was evidently intended to be the only method by which mineral lands could be appropriated. It made no exceptions in favor of school or other grants.

If the State should obtain two sections in every mineral township, it might establish a mineral system for itself, and one in conflict with that of the General Government. In my opinion, Congress never intended to make such a state of things possible.

No surveys of mineral lands were authorized or made until the passage of the act of July 9, 1870, (16 Stat., 217, sec. 16,) and long after the passage of the act of 1866.

I am constrained to hold that no mineral lands were granted by the act of 1853. If I am in error, the State can lose nothing, for she has an easy method of presenting the question for the decision of the Supreme Court, where it will doubtless finally go. If, however, my decision should be in favor of the State, and it should be erroneous, there would be very many cases in which I am unadvised of any way by which the error could be corrected.

I affirm your decision, and herewith return the papers transmitted, with your letter of the 21st of October last.

Very respectfully,

C. DELANO, *Secretary.*

Hon. W. DRUMMOND,  
*Commissioner General Land-Office.*

#### COAL-LANDS.

Under the act of Congress approved March 3, 1873, (17 Stat., 607,) the following circular of instructions has been issued:

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., April 15, 1873.*

GENTLEMEN: The act of Congress approved March 3, 1873, entitled "An act to provide for the sale of the lands of the United States containing coal," is as follows, to wit:

"AN ACT to provide for the sale of the lands of the United States containing coal.

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That any person above the age of twenty-one years, who is a cit-



izen of the United States, or who has declared his intention to become such, or any association of persons severally qualified as above, shall, upon application to the register of the proper land-office, have the right to enter, by legal subdivisions, any quantity of vacant coal-lands of the United States not otherwise appropriated or reserved by competent authority, not exceeding one hundred and sixty acres to such individual person, or three hundred and twenty acres to such association, upon payment to the receiver of not less than ten dollars per acre for such lands where the same shall be situated more than fifteen miles from any completed railroad, and not less than twenty dollars per acre for such lands as shall be within fifteen miles of such road.

"SEC. 2. That any person or association of persons severally qualified as above who have opened and improved, or shall hereafter open and improve, any coal mine or mines upon the public lands, and shall be in actual possession of the same, shall be entitled to a preference right of entry, under the foregoing provisions, of the mines so opened and improved: *Provided*, That when any association of not less than four persons, severally qualified as in section one of this act, shall have expended not less than five thousand dollars in working and improving any such mine or mines, such association may enter not exceeding six hundred and forty acres, including such mining improvements.

"SEC. 3. That all claims under section two of this act must be presented to the register of the proper land-district within sixty days after the date of actual possession and the commencement of improvements on the land by the filing of a declaratory statement therefor: *Provided*, That when the township-plat is not on file at the date of such improvement, filing must be made within sixty days from the receipt of such plat at the district office: *And provided further*, That where the improvements shall have been made prior to the expiration of three months from the passage of this act, sixty days from the expiration of said three months shall be allowed for the filing of a declaratory statement, and no sale under the provisions of this act shall be allowed until the expiration of six months from the date hereof.

"SEC. 4. That this act shall be held to authorize only one entry by the same person or association of persons under its provisions; and no association of persons, any member of which shall have taken the benefit of this act either as an individual or as a member of any other association, shall enter or hold any other lands under the provisions of this act; and no member of any association which shall have taken the benefit of this act shall enter or hold any other lands under its provisions; and all persons claiming under section two hereof shall be required to prove their respective rights and pay for the lands filed upon within one year from the time prescribed for filing their respective claims; and upon failure to file the proper notice, or to pay for the land within the required period, the same shall be subject to entry by any other qualified applicant.

"SEC. 5. That in case of conflicting claims upon lands where the improvements shall be hereafter commenced, priority of possession and improvement, followed by proper filing and continued good faith, shall determine the preference right to purchase. And also where improvements have already been made at the date of the passage of this act, division of the land claimed may be made by legal subdivisions, to include, as near as may be, the valuable improvements of the respective parties; and the Commissioner of the General Land-Office shall be, and is hereby, authorized to issue all needful rules and regulations for carrying into effect the provisions of this act.

"SEC. 6. That nothing in this act shall be construed to destroy or impair any rights which may have attached prior to its passage, or to authorize the sale of lands valuable for mines of gold, silver, or copper."

Your attention is called to the following points:

1. The sale of coal-lands is provided for—
  - 1st. By ordinary private entry under section one.
  - 2d. By granting a preference right of purchase based on priority of possession and improvement under section two.
2. The land entered under either section must be *by legal subdivisions*, as made by the regular United States survey; entry is confined to surveyed lands; to such as are vacant, not otherwise appropriated, reserved by competent authority, or containing valuable minerals other than coal.
3. Individuals and associations may purchase; if an individual, he must be twenty-one years of age and a citizen of the United States, or have declared his intention to become such citizen.
4. If an association of persons, each must be qualified as above.
5. A person is not disqualified by the ownership of any quantity of other land, nor by having removed from his own land in the same State or Territory.
6. Any individual may enter by legal subdivisions as aforesaid any area not exceeding one hundred and sixty acres.
7. Any association may enter not to exceed three hundred and twenty acres.
8. Any association of not less than four persons duly qualified, who shall have expended not less than \$5,000 in working and improving any coal mine or mines, may enter under

section two not exceeding six hundred and forty acres, including such mining improvements.

9. The price per acre is \$10 where the land is situated *more than fifteen miles* from any completed railroad; and \$20 per acre where the land is *within fifteen miles* of such road.

10. Where the land lies *partly within* fifteen miles of such road and in *part outside* such limit, the *maximum* price must be paid for all legal subdivisions the greater parts of which lie within fifteen miles of such road.

11. The term "completed railroad" is held to mean one which is actually constructed on the face of the earth; and lands within fifteen miles of any point of a railroad so constructed will be held and disposed of at \$20 per acre.

12. Any duly qualified person or association must be preferred as purchasers of those public lands on which they have opened and improved, or shall open and improve, any coal mine or mines, and which they shall have in actual possession.

13. Possession by agent is recognized as the possession of the principal. The clearest proof on the point of agency must, however, be required in every case, and a clearly defined possession must be established.

14. The *opening and improving* of a coal mine, in order to confer a preference right of purchase, must not be considered as a mere matter of form; the labor expended and improvements made must be such as to clearly indicate the good faith of the claimant.

15. These lands are intended to be sold where there are adverse claimants therefor to the party who by substantial improvements, actual possession, and a reasonable industry shows an intention to continue his development of the mines, in preference to those who would purchase for speculative purposes only. With this view, you will require such proof of compliance with the law, when lands are applied for under section two, by adverse claimants as the circumstances of each case may justify.

16. In conflicting claims, where improvement has been made *prior to March 3, 1873*, you will, if each party make subsequent compliance with the law, award the land *by legal subdivisions*, so as to secure to each, as far as possible, his valuable improvements; there being no provision in the act allowing a joint entry by parties claiming separate portions of the same legal subdivision.

17. In conflicts, when improvements, &c., have been commenced subsequent to March 3, 1873, or shall be hereafter commenced, priority of possession and improvement shall govern the award when the law has been fully complied with by each party. A mere possession, however, without satisfactory improvements, will not secure the tract to the first occupant when a subsequent claimant shows his full compliance with the law.

18. After an entry has been allowed to one party, you will make no investigation concerning it at the instance of any person, except on instructions from this Office. You will, however, receive all affidavits concerning such case and forward the same to this Office, accompanied by a statement of the facts as shown by your records.

19. Prior to entry, it is competent for you to order an investigation, on sufficient grounds set forth under oath of a party in interest, and substantiated by the affidavits of disinterested and credible witnesses.

20. Notice of contest in every case where the same is practicable, must be made by reading it to the party to be cited and by leaving a copy with him. This notice must proceed from your office and be signed by the register or receiver. Where such personal service cannot be made by reason of the absence of the party, and because his whereabouts are unknown, a copy may be left at his residence, or if this is unknown, by posting a copy in a conspicuous place on the tract in controversy, and by publication in a weekly newspaper having the largest general circulation in the vicinity of the land, (where no newspaper shall be specified by this Office,) for five consecutive insertions, covering a period of four weeks next prior to the trial; and in each case requiring such notice, a copy must be forwarded with the returns to this Office, accompanied with proof of service by affidavit indorsed thereon.

21. In every case of contest, all papers in the same must be forwarded to this Office for review before an entry is allowed to either party.

22. Thirty days from your decision will be allowed by you to enable any party to take an appeal, or file argument to be forwarded to this Office.

23. No appeal will be entertained unless the same shall be forwarded through the district land-office.

24. The party may still further appeal from the decision of the Commissioner of the General Land-Office to the Secretary of the Interior. This appeal must be taken within sixty days after service of notice on the party. This may be filed with the district land-officers and by them forwarded, or it may be filed with the Commissioner, and must recite the points of exception.

25. If not appealed, the decision is by law made final. (See section 10, act June 12, 1858, United States Statutes, volume 11, page 326.) After appeal, thirty days are usually allowed for filing arguments, and the case is then sent to the Secretary, whose decision is final and conclusive.

26. Manner of obtaining title: First, by private entry. The party will present the following application to the register, and will make oath to the same:

"I, \_\_\_\_\_, hereby apply, under the provisions of the act approved March 3, 1873, entitled 'An act to provide for the sale of the lands of the United States containing coal,' to purchase the \_\_\_\_\_ quarter of section \_\_\_\_\_, in township \_\_\_\_\_, of range \_\_\_\_\_, in the district of lands subject to sale at the land-office at \_\_\_\_\_, and containing \_\_\_\_\_ acres, and I solemnly swear that no portion of said tract is in the possession of any other party; that I am twenty-one years of age, a citizen of the United States, (or have declared my intention to become a citizen of the United States,) and have never held nor purchased lands under said act, either as an individual or as a member of an association; and I do further swear that I am well acquainted with the character of said described land, and with each and every legal subdivision thereof, having frequently passed over the same; that my knowledge of said land is such as to enable me to testify understandingly with regard thereto; that there is not, to my knowledge, within the limits, thereof, any vein or load of quartz or other rock in place bearing gold, silver, or copper; and that there is not within the limits of said land, to my knowledge, any valuable mineral deposit other than coal. So help me God.

"\_\_\_\_\_."

To this affidavit the register will append the usual jurat.

27. Thereupon the register, if the tract is vacant, will so certify to the receiver, stating the price, and the applicant must then pay the amount of the purchase-money.

28. The receiver will then issue to the purchaser a duplicate receipt, and at the close of the month the register and receiver will make returns of the sale to the General Land-Office, from whence, when the proceedings are found regular, a patent or complete title will be issued; and on surrender of the duplicate receipt such patent will be delivered at the option of the patentee, either by the Commissioner at Washington, or by the register at the district land-office.

29. This disposition at private entry will be subject to any valid prior adverse right which may have attached to the same land, and which is protected by section 2.

30. Second. When the application to purchase is based on a priority of possession, &c., as provided for in section 2, the claimant must, when the township-plat is on file in your office, file his declaratory statement for the tract claimed within sixty days from and after the first day of his actual possession and improvement. Sixty days, exclusive of the first day of possession, &c., must be allowed.

31. The declaratory statement must be substantially as follows, to wit:

"I, \_\_\_\_\_, being \_\_\_\_\_ years of age, and a citizen of the United States, (or having declared my intention to become a citizen of the United States,) and never having, either as an individual or as a member of an association, held or purchased any coal-lands under the act approved March 3, 1873, entitled 'An act to provide for the sale of the land of the United States containing coal,' do hereby declare my intention to purchase, under the provisions of said act, the \_\_\_\_\_ quarter of section \_\_\_\_\_, in township \_\_\_\_\_, of range \_\_\_\_\_, of lands subject to sale at the district land-office at \_\_\_\_\_, and that I came into possession of said tract on the \_\_\_\_\_ day of \_\_\_\_\_, A. D. 18—, and have ever since remained in actual possession continuously, and have expended in labor and improvements on said mine the sum of \_\_\_\_\_ dollars, the labor and improvements being as follows: (here describe the nature and character of the improvements;) and I do furthermore solemnly swear that I am well acquainted with the character of said described land, and with each and every legal subdivision thereof, having frequently passed over the same; that my knowledge of said land is such as to enable me to testify understandingly with regard thereto; that there is not to my knowledge within the limits thereof, any vein or load of quartz or other rock in place bearing gold, silver, or copper; and that there is not within the limits of said land, to my knowledge, any valuable mineral deposit other than coal.

"\_\_\_\_\_."

32. When the township-plat is not on file at date of claimant's first possession, the declaratory statement must be filed within sixty days from the filing of such plat in your office.

33. When improvements shall have been made prior to June 4, 1873, the declaratory statement must be filed within sixty days from that date.

34. No sale under this act will be allowed by you prior to September 4, 1873. One year from and after the expiration of the period allowed for filing the declaratory statement is given, within which to make proof and payment, but you will allow no party to make final proof and payment except on notice as aforesaid to all others who appear on your records as claimants to the same tracts.

35. A party who otherwise complies with the law may enter *after* the expiration of said year, *provided* no valid adverse right shall have intervened. He postpones his entry beyond said year at his own risk, and the Government cannot thereafter protect him against another who complies with the law, and the value of his improvements can be no weight in his favor.

36. One person can have the benefit of one entry or filing *only*. He is disqualified by having made such entry or filing alone, or as a member of an association. No entry can be allowed an association which has in it a single person thus disqualified, as the law prohibits the entry or holding of more than one claim, either by an individual or an association. You are to allow no entry under this act of lands containing other valuable minerals. You will determine the character of the land under the present rules relative to agricultural and mineral lands. Those that are sufficiently valuable for other minerals to prevent their entry as agricultural lands cannot be entered under this act.

37. Assignments of the right to purchase under this act will be recognized when properly executed. Proof and payment must be made, however, within the prescribed period, which dates from the first day of the possession of the assignor who initiated the claim.

38. You will so construe this act in its application as not to destroy or impair any rights which may have attached prior to March 3, 1873. Those persons who may have initiated a valid claim under any prior law relative to coal-lands will be permitted to complete their entries under the same.

39. You will report at the close of each month as "sales of coal-lands" all filings and entries under this act in separate abstracts commencing with number *one*, and thereafter proceeding consecutively in the order of their reception. Where a series of numbers has already been commenced by sale of coal-lands, you will continue the same without change. The affidavit required from each claimant, under section 2, at the time of actual purchase will be as follows, to wit:

"I, \_\_\_\_\_, claiming the right of purchase under the act of Congress entitled 'An act to provide for the sale of the lands of the United States containing coal,' approved March 3, 1873, to the \_\_\_\_\_ quarter of section \_\_\_\_\_, in township \_\_\_\_\_, of range \_\_\_\_\_, subject to sale at \_\_\_\_\_, do solemnly swear that I have never had the right of purchase under this act, either as an individual or as a member of an association, and that I have never held any other lands under its provisions; I further swear that I have expended in developing coal-mines on said tract in labor and improvements the sum of \_\_\_\_\_ dollars, the nature of such improvements being as follows: \_\_\_\_\_; that I am now in the actual possession of said mines, and make the entry for my own use and benefit, and not directly or indirectly for the use and benefit of any other party; and I do furthermore swear that I am well acquainted with the character of said described land, and with each and every legal subdivision thereof, having frequently passed over the same; that my knowledge of said land is such as to enable me to testify understandingly with regard thereto; that there is not, to my knowledge, within the limits thereof, any vein or lode of quartz or other rock in place bearing gold, silver, or copper; and that there is not within the limits of said land, to my knowledge, any valuable mineral deposit other than coal. So help me God.

"I, \_\_\_\_\_, of the land-office at \_\_\_\_\_, do hereby certify that the above affidavit was sworn and subscribed to before me this \_\_\_\_\_ day of \_\_\_\_\_, A. D. 18\_\_\_\_."

40. In case the purchaser shows by an affidavit that he is not personally acquainted with the character of the land, his duly authorized agent who possesses such knowledge may make the required affidavit as to its character; but whether this affidavit is made by principal or agent, it must be corroborated by the affidavits of two disinterested and credible witnesses having knowledge of its character.

WILLIS DRUMMOND,  
Commissioner.

To REGISTERS and RECEIVERS.

### PRIVATE LAND-CLAIMS.

#### CALIFORNIA.

Much difficulty has been experienced by this Office in determining questions of fact connected with the location of private land-claims in California, for the reason that under former practice and regulations testimony was taken and submitted in the form of *ex-parte* affidavits, which often served rather to confuse than explain the matters in controversy. To remedy this defect and secure a better class of evidence a letter, of which the following is an extract, was addressed to the United States surveyor-general of California:

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
Washington, D. C., August 13, 1872.

SIR: My attention has been called to the insufficiency of the *ex-parte* testimony offered as proof in the determination of the various and important questions continually arising in the adjudication of surveys of private land-claims in California, and, with a view of obtaining more reliable evidence in such cases, you are hereby directed in all future cases of objection to the survey of a private land-claim, duly published according to law, to notify the parties in interest that the testimony of no witness hereafter examined, and whose statements are tendered to prove or disprove any of the matters in controversy, will be received unless said testimony shall have been taken under oath, before you or the clerk of some court of record, after notice to adverse parties of the time and place of taking such testimony and an opportunity given for cross-examination. It is desired, when practicable, that evidence of this character should be taken before you, but, to avoid inconvenience to parties living at a distance from San Francisco, it is thought proper to permit them to go before some one of the officers above named. In all cases, however, in which such evidence is not taken by you, the officers before whom it may be taken must transmit it under seal direct to your office.

In submitting to this Office documents filed as evidence in cases of objection to a survey as aforesaid, you will exercise due care that no such document be considered by you as evidence, or transmitted to this Office as such, until all the parties in interest have had an opportunity to inspect the same.

\* \* \* \* \*  
Respectfully,

WILLIS DRUMMOND,  
Commissioner.

J. R. HARDENBURG,  
United States Surveyor-General, San Francisco, Cal.

Among the rulings which have been made during the past year, and which affect a number of claims not adjudicated, are the following:

*Rancho Guadalupe, Diego Olivera and T. Arellanes, confirmees.*—In this case it was decided by this Office:

1st. That a newspaper dated and first distributed in the town of Santa Barbara, in Santa Barbara County, Cal., was published in Santa Barbara, although said paper was printed in San Francisco, Cal.

2d. Where a survey had become final by publication under the act of June 14, 1860, and a patent in accordance with such survey had been duly signed, sealed, recorded, sent to the United States surveyor-general for delivery, subsequently recalled, a new survey made, published in accordance with the provision of the act of July 1, 1864, (13 Stat., p. 332,) approved by the Commissioner of the General Land-Office, and a patent for such resurvey signed, sealed, recorded, transmitted to the United States surveyor-general for delivery, and recalled without the consent of the parties claiming possession thereof, that in such a case the first patent having been legally executed, was the patent to be delivered to the parties in interest, and that said first patent having been legally executed, there was no authority of law for the issue of the subsequent patent, which was void *ab initio*, and might properly be recalled by the Commissioner of the General Land-Office.

Affirmed on appeal March 26, 1873.

*Rancho La Brea, confirmed to Antonio José Rocha et al.*—In this case this Office held that it had jurisdiction to examine the validity of the conveyances of a rancho, so far as to be enabled to decide who, under such conveyances, was entitled to select the quantity of land confirmed within larger exterior boundaries to the claimant or claimants by the board of land commissioners for California, or United States courts.

Affirmed on appeal March 21, 1873.

*Rancho La Carbonera, William Bogle, confirmee.*—In this case a portion of the rancho, as granted, conflicted with the boundaries of the Rancho Cañada del Rincon, which had been confirmed and patented by the United States. Both ranchos were for quantity within larger exterior

limits, and prior to confirmation the title in each case was equitable only, the claimant of neither having received juridical possession from the Mexican authorities. The record showed that the Rancho La Carbonera had the older grant, and under the doctrine of relation as laid down in *Grisar vs. McDowell*, (6 Wall., 380,) and *Lynch vs. Bernal*, (9 Wall., 315,) it had also the older confirmation. The Supreme Court of the United States having also ruled, in *United States vs. Amije*, (5 Wall., 444,) that the right of selection could not be exercised so as to defeat the equitable prior rights of others, it was held by this Office that La Carbonera having the older grant and confirmation, had the prior equity, and was therefore first entitled to select its quantity of land, and that for the land thus selected within its exterior boundaries and interfering with the Rancho Cañada del Rincon a patent should issue reciting said interference.

Affirmed May 21, 1873.

*Mission La Purisima, José Ramon Malo, confirmee.*—In this case it was decided on appeal that the first section of the act of June 14, 1860, relative to the publication of notice of surveys for four weeks in two newspapers, required that for some part of the four weeks the notice should be simultaneously publishing in both newspapers.

A question having arisen as to the construction of the second and third sections of the act of July 1, 1864, this Office addressed the following letter to the honorable Secretary of the Interior:

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
Washington, D. C., June 4, 1872.

SIR: The second section of the act of Congress approved July 1, 1864, (13 Stat., p. 332,) enacts that the provisions of section 1 of said act shall apply to all surveys and plats by the surveyor-general of California theretofore made, which had not been approved by one of the United States district courts for California, or the Commissioner of the General Land-Office: "Provided, That where proceedings for the correction or confirmation of a survey are pending on the passage of this act in one of the said district courts, it shall be lawful for such district court to proceed and complete its examination and determination of the matter, and its decree thereon shall be subject to appeal to the circuit court of the United States for the district in like manner, and with like effect, as hereafter provided for appeals in other cases to the circuit court; and such appeals may be in like manner disposed of by said circuit court."

The third section provides for appeals from the district to the circuit court, and that "the said circuit court shall have power to affirm or reverse or modify the action of the district court, or order the case back to the surveyor-general for a new survey. When the case is ordered back for a new survey, the subsequent survey of the surveyor-general shall be under the supervision of the Commissioner of the General Land-Office, and not of the district or circuit court of the United States."

A considerable number of surveys were made and ordered into the district court prior to the act of 1864, some of which were rejected prior and some subsequent to the act aforesaid, and new surveys ordered, the decree of rejection in most cases specifying minutely the various changes to be made in the lines of the rejected survey. No appeal having been taken, these resurveys were made by the surveyor-general after the date of said act of 1864, and in a number of instances returned into the United States district court and there approved, and no appeal taken from the decree of approval.

With this statement I have the honor to request instructions as to whether the approval of a resurvey, as above described, returned into court and approved after the passage of the act of 1864, is final; or whether such new survey is under the control of this office, as would have been the case had it been made after July 1, 1864, pursuant to a decree of the circuit court.

I am, sir, very respectfully, your obedient servant,

WILLIS DRUMMOND,  
Commissioner.

Hon. C. DELANO,  
Secretary of the Interior.

The Secretary having duly considered the matter, replied as follows:

DEPARTMENT OF THE INTERIOR,  
Washington, D. C., July 3, 1872.

SIR: I have considered the question propounded in your letter of the 4th ultimo,

relating to the construction of the second and third sections of the act of July 1, 1864, to expedite the settlement of titles to land in the State of California. You state that there is a considerable number of surveys which were made and ordered into the district court prior to the passage of said act, some of which were rejected by said court prior and some subsequent to the passage of said act, and you inquire whether the approval of a resurvey, returned into court and approved after the passage of the act, is final, or whether such new survey is under the supervision of the Commissioner of the General Land Office, as it would have been had it been ordered by the circuit court after the passage of the act.

The third section allows an appeal, in certain cases, from the district to the circuit court, and gives the circuit court power "to order the case back to the surveyor-general for a new survey." When this is done it provides that the new and "subsequent survey of the surveyor-general shall be under the supervision of the Commissioner of the General Land Office, and not of the district or circuit court of the United States."

The word district as well as circuit court being used, must be construed to have some meaning. It will not be presumed that it was used without any signification, and I can see no object in making use of it in the connection in which it stands unless it was intended to mean that the district, like the circuit, court should not supervise a new survey, made by its order, but the same should be under the control of the Commissioner of the General Land-Office.

This construction gives effect to all the words of the act. The circuit court is clearly deprived of the power to supervise the subsequent survey. If that is a wise provision when applied to the circuit court, it would seem to be a wise one when applied to the district and inferior court.

On the whole I am of opinion that those new surveys which have been ordered by the district court, after the passage of the act, (July 1, 1864,) are subject to the supervision of the Commissioner, and that those which have been ordered before the passage of the act are not subject to his supervision.

Very respectfully,

C. DELANO, *Secretary.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office.*

During the year ending June 30, 1873, the surveys of twenty-three private land-claims were received from the United States surveyor-general for California, and during the same period forty-two patents for similar claims were prepared by this Office, and transmitted, for delivery, to the parties in interest.

#### NEW MEXICO, COLORADO, AND ARIZONA.

I have the honor again to call attention to the condition of private land-claims in the remainder of the territory acquired by the treaty of Guadalupe Hidalgo, and also to similar claims located in the territory, acquired by the treaty commonly known as the Gadsden purchase. Some provision for the speedy adjustment of these claims should be made at an early day, so that parties, whose rights are guaranteed by treaty, may be enabled to obtain a United States title to their possessions, as in the case of like claims in California, and the United States be given an opportunity to show the invalidity of such claims as may now be held under fraudulent Mexican or Spanish grants.

#### CLAIMS IN LOUISIANA AND OTHER SOUTHERN STATES.

Relative to the issue of certificates of location under the act of June 2, 1858, (11 Stat., p. 294,) for private land-claims in Louisiana, this Office, on the 26th of August, 1872, issued the following instructions:

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., August 26, 1872.*

SIR: By the first section of the act of Congress approved March 3, 1819, entitled "An act for adjusting claims to land and establishing land-offices in the districts east of the mouth of New Orleans," certain claims to land derived from the Spanish or British gov-

ernments are recognized as valid and complete titles, and by the second section, other claims founded on written evidence of title, though incomplete, are confirmed; but no claim is confirmed by the second section to any person to whom the title to a tract of land is recognized by the first section. By the third section of said act a grant, as a donation, is made to a class of claimants and actual settlers who had no written evidence to sustain their claims, but who had actually inhabited or cultivated the lands claimed or settled on prior to the 15th day of April, 1813; but it is provided that such grant, as a donation, shall be limited to a quantity not exceeding 640 acres to one person, and "that no lands shall be thus granted which are claimed or recognized" by sections 1 and 2 of said act. By the first section of the act approved May 8, 1822, entitled "An act supplementary to the several acts for adjusting the claims to land and establishing land-offices in the districts east of the island of New Orleans," certain claims to land derived from the Spanish and British governments are recognized as valid and complete titles. By the second section other claims, derived from the same source and based upon written evidence of title, though incomplete, are confirmed, and by the third section, as in the act of March 3, 1819, a grant, as a donation, is made to certain claimants and actual settlers, who had no written evidence to sustain their claims, but who had actually inhabited or cultivated the lands claimed or settled on prior to April 15, 1813, but this grant is limited to a quantity not exceeding 640 acres to one person, and it is provided that no lands shall be thus granted which are claimed or recognized by sections 1 or 2 of said act, or by virtue of the confirmation under the act of March 3, 1819, aforesaid. By the act of June 2, 1858, entitled "An act to provide for the location of certain confirmed private land-claims in the State of Missouri, and for other purposes," it is, among other things, provided that "where any private land-claim has been confirmed by Congress, and the same, in whole or in part, has not been located or satisfied, either for want of a specific location, prior to such confirmation, or for any reason whatsoever other than a discovery of fraud in such claim subsequent to such confirmation, it shall be the duty of the surveyor-general of the district in which such claim was situated, upon satisfactory proof that such claim has been so confirmed, and that the same, in whole or in part, remains unsatisfied, to issue to the claimant, or his legal representatives, a certificate of location for a quantity of land equal to that so confirmed and unsatisfied."

Under the provisions of this last-named act I observe that numerous applications have been made to your office for certificates of location, not only by those persons who had claims confirmed to them in express terms, by acts of Congress, but also by those persons to whom Congress has made grants as donations. Were it an original question I would not feel justified in recognizing these donation claims as *confirmed* private land-claims, for two reasons:

1. Congress made donations to claimants or actual settlers where it appeared from the lists or registers which it had before it for consideration, that "they had actually inhabited or cultivated the land claimed or settled on, on or before the 15th day of April, 1813;" and as such registers and lists do show that certain claims were so inhabited and cultivated, and fail to show it as to others, the natural construction of the act would be to confine its benefits to cases where it is shown by such registers or lists that the land had been so actually inhabited or cultivated, and to exclude all others. Congress did not, it appears to me, infer inhabitation or cultivation from the fact of settlement, and, therefore, by the terms it used, it required the inhabitation or cultivation to be shown by the registers or lists themselves.

2. I am not satisfied that a simple donation or gift of a tract of land, which has not been surveyed or segregated from the public domain, to a party whose claim or right to the same is not recognized, is a *confirmed* private land-claim. The donation confers upon the party a private land-claim, and should Congress, subsequently, upon its being surveyed and set apart from the public domain, confirm such survey, it then undoubtedly becomes a *confirmed* private land-claim.

But the questions presented are not new. It appears, by the records and usages of this Office since 1819, that all who made settlement prior to April 15, 1813, have been regarded as entitled to donations; and it also appears that this class of claims have been uniformly regarded and treated as *confirmed* private land-claims. This construction has been adhered to so long that notwithstanding I entertain doubts as to its being legitimate and correct, I am compelled, though reluctantly, to acquiesce in and follow the same as the established rule of the Office; but while doing so I feel it incumbent upon me to enjoin upon you the exercise of the utmost care, vigilance, and circumspection in examining and passing upon applications for certificates of location, and to direct your attention to the requirements of the law authorizing their issue. The act only authorizes the issue of certificates of location "where a private land-claim has been confirmed by Congress," and requires you—

1st. To take satisfactory proof that such claim has been so confirmed.

2d. To take satisfactory proof that the same, in whole or in part, remains unsatisfied.

If the proof is not clear and conclusive on both of these points, you have no right to issue certificates of location in any case. To decide either or both of these questions,



it will be necessary for you, as a preliminary step, to ascertain and determine the exact location of each claim as it was originally made.

This will clearly appear if we consider the fact that Congress, by the second section of the act of March 3, 1819, excluded from confirmation by that section the claims of any person to whom the title to any tract had been recognized by the first section, and by the third section excluded from grants, as donations, such lands as had been recognized or confirmed by the first or second section; and again, by the third section of the act of May 8, 1822, Congress expressly provided that no lands should be granted as donations which had been claimed or recognized by the first and second sections of that act, or by virtue of the confirmation under the act of March 3, 1819. It follows, as a matter of course, that where there is such conflict, and the prior and superior confirmation takes precedence, and the lands covered by the second or inferior claim are excluded from confirmation, that you cannot determine whether a given claim is confirmed or not until you have ascertained and determined its precise locality. Again, the definite location of such claim is necessary to prevent the Government from being defrauded by the duplication of claims by the original confirmees or assignees, for I observe that the same party is sometimes reported on two or more lists.

The location of the claim is also necessary to a determination of the area or quantity, for these confirmations or donations were for lands in place of the lands which had been claimed and inhabited or cultivated, and were not in the nature of floats, to be located wherever the party might designate, and for a quantity not originally embraced in the claim or settlement. The quantity covered by the original claim or settlement was not enlarged by the donation act, but in this respect the acts are clearly restrictive, and limit the party to 640 acres, or such less quantity as he had embraced in his original location.

The rough estimate of quantity made by the party in presenting his claims before survey is not conclusive, and the quantity to which a party is entitled can only be determined by a definite location of his claim and the adjustment of conflicts, and it has frequently occurred that the quantity originally claimed has been much reduced by a precise location of lines, in the absence of any contest, or by the adjustment of conflicting interests in cases where the inferior title had to yield to the superior. The law is, in my opinion, not only clear on these points, but my interpretation of it is sustained by the usage and practice of the Office from 1819 to the present time. It was not until the act of June 2, 1858, authorizing the issue of certificates of location, that a claim could be treated as a "float," and that act would not have become a law if parties had been previously allowed to locate their claims according to their choice; but as they had been confined to the lands *settled on* and *inhabited or cultivated*, and the original settlement and inhabitation or cultivation fixed and determined the locality of the claim, and they were not permitted to go elsewhere and take up an equal quantity, and as it sometimes happened that the Government, through inadvertence or mistake, disposed of the land embraced in the original claim, Congress undoubtedly thought it just and equitable to give the parties whose lands had been thus disposed of the right to locate an equal quantity of other lands, and it provided for the issue of certificates of location to enable them to do so, and thus a claim, which before that time had been fixed, and confined to a certain place, became locatable wherever the party might elect, on lands subject to private sale. But there is nothing in the act of Congress which can be construed to authorize the issue of certificates of location to parties whose claims cannot be located because of conflict with claims held by a prior or superior title, for such claims have never been confirmed, for the good and sufficient reason that the claimants were not settlers on the public domain, but intruders and trespassers on private property.

In order to guard against and prevent the issue of certificates of location to parties who may not be clearly entitled thereto, you are hereby instructed to require all applicants for such certificates, in making proof of confirmation and non-satisfaction of a claim, to define and establish, by full and satisfactory evidence, the exact location of the claim according to its original boundaries, and, if the claim is not presented by the original confirmee, you will require the assignee or legal representative of such confirmee to prove and show a continuous and connected chain of title from such confirmee to such assignee or legal representative. Unless the proof is full, explicit, and satisfactory on all the points involved in the investigation, you should decline to issue certificates of location. As the act of June 2, 1858, charges this Office with the duty of determining whether such certificates of location are properly issued, you will, in all cases where you issue certificates, forward them to this Office for approval, accompanied by the evidence upon which you have based your decision, and also state fully in a report over your own signature your reasons for issuing such certificates.

Please acknowledge the receipt of this letter.

Respectfully,

WILLIS DRUMMOND,  
Commissioner.

E. W. FOSTER, Esq.,  
United States Surveyor-General, New Orleans, La.

Under the act of June 22, 1860, (12 Stat., p. 85,) as extended by the act of March 2, 1867, and as extended and amended by the act of June 10, 1872, (17 Stat., p. 378,) no certificates of location have been issued, and under those acts but three claims have been finally confirmed. The following letter to Caleb Cushing, esq., contains an opinion of this Office relative to the sixth section of the act first above named :

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
Washington, D. C., June 25, 1873.

SIR: I have received and carefully considered the paper accompanying your request that this Office recognize the assignment of certificates of location to be issued for the land-claim of the heirs of John Lynd, confirmed by the Supreme Court of the United States, (11 Wall., p. 632,) pursuant to the act of Congress approved June 22, 1860, (12 Stat., p. 85,) and that patents for the locations made with such scrip be issued in the name of the assignee or assignees thereof.

Before discussing the assignability of the above-mentioned certificates, I desire to call your attention to the fact that the act of June 22, 1860, does not provide for the issue of patents for locations made in accordance with the sixth section of said act, and hence that, until further legislation by Congress, no patent can issue for any locations which may be made under the confirmation as above to the heirs of John Lynd. The question here presented was first carefully examined in construing the act of July 4, 1836, (5 Stat., p. 126,) the first section of which confirmed certain claims, and the second section provided that if it should be found that any tract or tracts, or any part thereof, confirmed by the first section, had been located under any law of the United States, or surveyed or sold by the United States, this act should confer no title to such lands in opposition to the rights acquired by such location or purchase, but the parties confirmed in their claims by said act of 1836 might locate such interferences on certain unappropriated public land of the United States, and if the locations were properly made might receive a patent therefor, thus making no express provision for the issue of patents for those confirmed claims which did not interfere with prior rights, but were surveyed in place.

In submitting the case to Hon. B. F. Butler, then Attorney-General of the United States, the question was: "4th. Must a patent be issued for the part of the original claim not interfered with by other recognized rights?" and that officer, in his reply dated August 6, 1838, (L., I., and Op., p. 1043,) held that "although there may be reasons of convenience in favor of issuing a patent in these cases, yet these reasons can only be produced to Congress. The law is to be taken as it stands, and in its present form it does not, in my judgment, authorize the issuing of a patent except in the case especially provided for."

The same question was presented under the same act in the case of that portion of the claim of Jaques Clamorgan not taken by valid interferences, and it was decided by Hon. J. C. Spencer, then Secretary of the Treasury, in a letter dated January 23, 1844, addressed to the Commissioner of the General Land-Office, as follows:

"I must agree with Mr. Butler, in the opinion given by him, (L., I., and Op., 2d part, p. 1043,) that no authority is given by the first section of the act of 1836 to issue patents to the parties whose titles are confirmed by that act, and where no new location is necessary under the second section, and I cannot doubt that a patent issued without an express authority of law is absolutely void."

"Mr. Legare" (then United States Attorney-General) "seems to be substantially of the same opinion, but intimates that the issuing of a patent can do no harm. In this I must differ from him. It always does harm to attempt an unauthorized act. \* \* \* The seal of the United States ought not in my judgment to be trifled with, or brought into disrepute by being used when the want of authority to use it is confessed."

Since the receipt of this letter no private land-claim has been patented, unless the issue of a patent therefor has been expressly authorized by law.

In considering the assignability of scrip, I have thought proper to call attention to the previous acts of Congress under which certificates of location for confirmed but unlocated private land-claims have issued.

The first general act of this character is the before-mentioned act of July 4, 1836, (5 Stat., p. 126,) which provided that confirmations thereby should not affect previously-located confirmations, or the title of any lands sold by the United States, but that "the individual or individuals whose claims are hereby confirmed shall be permitted to locate so much thereof as interferes with such location or purchase," and so forth.

Instructions under this act issued October 10, 1836, (L., I., and Op., part 2d, p. 967,) to the effect that the new location must be made in "each case in the name of the conferee, and in the event of his decease, in the name of his heirs, *the law not contemplating an assignment of the right to locate.*" Subsequently other instructions under this act were issued, and among them a circular dated September 19, 1842, to the registers in Missouri, in which the entry under said scrip was required to be made "in the name

the confirmee," (present claimant before the board,) "or his legal representatives," and as evidence of heirship sufficient to enable an applicant to locate, the registers were referred to the instructions to registers, of October 11, 1836, (L., I., and Op., part 2d, page 760,) which required them "to take the certificate under seal of some court of record, having probate jurisdiction, which certificate should show that by the evidence before the court it was satisfied the person or persons named therein were the only heirs at law of the deceased confirmee." No assignments of scrip were recognized by this Office under this act; the scrip issued to the confirmee, or his legal representatives, and the patents for the locations made, were issued to the parties named in the scrip.

The second and last general act of this character, prior to the act of June 22, 1860, is the act of June 2, 1858, (11 Stat., p. 294,) the third section of which is the most general, and, for the claimants, the most liberal act ever passed for the relief of owners of private land-claims, whose confirmed claims were not and could not be located, said act directing, among other things not found in the acts of 1836 and 1860, that *certificates of location shall issue, and that such certificates shall issue to the "claimant or his legal representatives."* These are important differences, for while a question might arise as to whether the act of 1858, by specifying "legal representatives," did not intend that upon the decease of the confirmee his legal representatives, whether by operation of law or by contract, should be entitled to their rights in *their own* name, no such question could arise under the acts of 1836 and 1860, for by those acts the right of relocation is confined to the confirmee, leaving his or her property in such claims to pass to his or her heirs or assigns, in such manner as the laws governing the transfer of property, as administered by courts of justice, might direct.

It seems, however, from a careful examination of the instructions under the act of 1858, that this Office uniformly refused to recognize or to authorize any assignment of such scrip. And this, too, has been the ruling under this act, by the Department, as appears by a letter dated August 1, 1859, to this Office, from Hon. J. Thompson, then Secretary of the Interior, of which the following is an extract:

"Briefly, and in concurrence with your views, as I understand them, I think that the certificate and scrip should be issued in the name of *the original confirmee*, or his legal representatives, thus: 'Manuel G. Moro, or his legal representatives.'

"The register's certificate of entry, on surrender of the scrip and the patent, should follow the same form, thus giving the parties in interest the benefit of the law in the words of the law itself."

This ruling is still in force, and still binds this Office in issuing certificates of location, under the act of 1858.

It appears that the act of 1860, in its provisions relative to scrip, resembles more the act of 1836 than the act of 1858, in that neither the act of 1836 nor 1860 directs the issue of scrip to any one, and the right of entry is vested by the words of both acts in the confirmees only, the language of the act of 1860 being "*the party in whose favor the title is confirmed shall have the right to enter,*" &c., so that to adopt the construction of ex-Secretary Thompson, as expressed in his decision concerning the act of 1858, and give the parties in interest, under the act of 1860, the benefit of the law, "in the words of the law itself" the scrip for which you now apply would issue, if it issue at all, to the confirmees, and to him or her only.

This construction, with the addition of the words "legal heirs," was adopted by the honorable Secretary of the Interior, in his decision dated March 18, 1872, relative to certain Indian scrip issued under the seventh clause of the second article of the treaty concluded at La Pointe, in the State of Wisconsin, on the 30th of September, 1854, with the Chippewa Indians of Lake Superior, (10 Stat., p. 1110,) which clause stipulates that "each head of a family or single person over twenty-one years of age, at the present time, of mixed blood, belonging to the Chippewas of Lake Superior, shall be entitled to eighty acres of land, to be selected by them under the directions of the President, and which shall be secured to them by patent, in the usual form."

After stating that the object of this provision was "to secure to the persons described land, and nothing else," and that under the treaty the Department of the Interior, some time in 1860, authorized a certificate to be issued to each person embraced in said seventh clause, which certificate was intended to certify simply that such person was a beneficiary under said clause, the honorable Secretary, in effect, states, that by the terms of each certificate neither it nor any right under it could be sold, transferred, mortgaged, assigned, or pledged, and that "it must be distinctly remembered that these patents" (for location with said scrip) "must issue to the person to whom the scrip was issued or their *legal heirs*, and no one else" thus using a term much less broad than "*legal representatives*," which, as stated in your brief, was construed in *Hogan v. Page* (2 Wall., p. 605) to embrace both representatives by operation of law as well as representatives by contract.

The provisions of the seventh clause of the second article of the treaty of 1854, and of the sixth section of the act of 22d June, 1860, are similar in this: neither directs the issue of scrip, and the right to enter land is by direct words given only to the beneficiaries thereunder, without mention of the heirs or representatives of such bene-

ficiaries. Hence to apply the same construction to both treaty and act, would be to declare that scrip under the aforesaid sixth section should issue to the confirmee or legal heirs, and that it should state on its face that neither it nor any right under it should be sold, transferred, mortgaged, assigned, or pledged.

But though both the treaty and act are clearly susceptible of even a more strict interpretation than that given by the honorable Secretary of the Interior to the before-mentioned clause of said treaty, there are cogent reasons why a more liberal construction should be given to the act of 1860, designed as it was as a tardy act of partial justice to a class of persons aware of their rights and able to defend them with intelligence. Therefore in issuing scrip under the act of 1860, I shall follow the liberal construction given to the law of 1836 unless otherwise directed by the honorable Secretary of the Interior, and issue it to the confirmee or confirmees, or his, her, or their *legal representatives*.

But as, in my judgment, the act of 1860 cannot be construed so as to recognize the right of assignment of such scrip, I shall refuse to recognize such assignment, and should Congress by future legislation provide for the issue of patents for locations made with this scrip, such patents will then be issued to the person or persons whose names appear upon the located certificates.

This, in my opinion, is the full extent to which I am allowed to go by the terms of the act of June 22, 1860, (12 Stat., p. 85) and I must, therefore, refuse to issue any piece of scrip for the claim now under consideration except as follows: "To Rose Lynd, widow of Robert C. Cammuck, Robert S. Lynd, and Henrietta Blank, widow of John Lynd, and to their legal representatives;" nor can I permit any entries to be made with said scrip except in the names of all those parties.

Very respectfully,

WILLIS DRUMMOND,  
*Commissioner.*

CALEB CUSHING, Esq.,  
*Washington, D. C.*

The following rulings relative to donation claims in the State of Oregon, and in Washington Territory, have been made since June 30 1872.

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington D. C., August 12, 1872.*

*Register and Receiver, Olympia, W. T.*

GENTLEMEN: I have examined the testimony, &c., submitted with your letter of April 10th, 1872, in the matter of the contested donation claim of David S. Maynard and wife—certificate No. 440.

From the papers in the case, it appears that on the 26th day of October, 1853, D. S. Maynard made his notification, No. 407, as a married man, for a donation claim containing 640 acres, in Oregon, under the act of September 27, 1850, as amended by the act of February 14, 1853; that Maynard was a resident of Oregon Territory (now Washington) on the 16th day of September, 1850, and resided upon and cultivated his claim from the 3d of April, 1852, to the 3d of April, 1856; that in 1828 he intermarried with Lydia A. Rickey, who was his wife until the 24th day of December, 1852, when he was divorced from said Lydia A. by an act of the legislature of Oregon; that on the 15th of January, 1853, he intermarried with Catharine T. Brashears, who lived with him as his wife from that date until 1856; and that on the 14th day of May, 1869, the register and receiver of the land-office at Olympia, Wash., issued for said claim Donation Certificate No. 440, in favor of D. S. Maynard and Catharine T., his wife, apportioning the west half to the husband and the east half to the wife.

It also appears from our records that on the 21st of July, 1871, this Office, in a letter to the register and receiver, held, on the supposition that Lydia A. died in 1852, that her heirs were entitled to the one-half of Maynard's claim, to the exclusion of any rights claimed therein by Maynard's second wife. As, however, it appears by evidence since submitted that Lydia A. is still alive, and can therefore have no heirs, it becomes necessary to reconsider that opinion and pass upon the facts now before me.

Lydia A. was the lawful wife of D. S. Maynard up to the date of her divorce in 1852, and had she remained such for the four years required by the donation act, and had Maynard made the proper proof, it is clear she would have been entitled to one-half of the claim now in controversy. That she had never actually resided upon said claim could make no difference in her title, for it has been repeatedly held, and I think properly, that residence, inhabitancy, or cultivation is not necessary on the part of the wife, but that she takes one-half of a donation claim solely by virtue of her wifeship. As to the nature of her title before final proof by her husband, it is only necessary to say that the Hon. Assistant Attorney-General, in the case of Jeffries vs. Dubois, decided November 22, 1871, which decision was approved by the Hon. Secretary

the Interior in a letter of November 25, 1871, held, that proof by two disinterested witnesses of the fact of continued residence and cultivation for four years was a condition precedent to obtaining title to a donation claim. The husband could therefore have only an inchoate interest therein until such proof was made, as it is a well established rule of law that conditions precedent must be performed before the title to which they are annexed can vest; and it is clear that a wife claiming solely by virtue of the husband's acts, could have no better title than that possessed by him. This point was expressly decided in the opinion referred to. "Dubois," said the Hon. Assistant Attorney-General, "had complied with them (the conditions of four years' residence and cultivation, &c.) only in part at the time he was divorced from Josette. At that time no title had vested in him, and she could obtain through him no better title than he himself then held."

On the 22d December, 1852, as stated before, a few months subsequent to Maynard's settlement and prior to the date upon which he filed his notification, the legislature of Oregon passed an act by which it was enacted "That the bonds of matrimony heretofore existing between D. S. Maynard and Lydia A. Maynard be, and the same are hereby, dissolved."

As this divorce has not been set aside, we cannot avoid the conclusion that it annulled the relations of husband and wife theretofore existing between the parties named. Further than this, it is not my purpose, nor is it necessary to inquire. It is admitted that at the date of said divorce Maynard had been a settler upon his claim less than nine months, and, therefore, under the decision above quoted, no title had then vested in him, and he could transmit none to Lydia A., and as it is established that she relies for her title solely upon his acts as her husband, it follows as an unavoidable conclusion that when she ceased to be his wife she was unable to acquire any further rights by virtue of his acts, and consequently that her inchoate interest terminated because of a failure in the performance of the conditions precedent attached thereto. I must therefore decide that Lydia A. has now no title or interest in the claim in controversy.

The claim of Catharine T., the present wife of D. S. Maynard, is also invalid. Among the qualifications requisite to enable a man to complete the title to 640 acres of land under the donation of law, one is that he shall be a married man on or before December 1, 1850, or shall become married within one year from that date. As construed by this Office that law authorizes the husband to notify and make proof only when he is married, or becomes married within the time specified. As Catharine T. was not the wife of D. S. Maynard until January, 1853, she could acquire no rights under a law for the benefit of women married prior to December 1, 1851.

Therefore, it having been found that neither Lydia A., the first wife, nor Catharine T., the second wife of D. S. Maynard, are entitled to any of the benefits of the provisions of the donation laws by reason of their marriage with him, I am of the opinion, and so decide, that a certificate should be issued in his favor, as a single man, for the west half of the 640 acres covered by his notification, which has already been selected by him as the tract he desired set apart to himself, as evidenced by the decision of the original claim made by the register and receiver, and the testimony adduced at the time.

You will notify all parties interested of the purport of this decision, and allow them sixty days from service of notice in which to appeal to the Hon. Secretary of the Interior, and, at the expiration of that period, report promptly the action had pursuant to such notice.

Very respectfully, your obedient servant,

WILLIS DRUMMOND,  
*Commissioner.*

This decision was affirmed by the Hon. Secretary of the Interior in the following letter:

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C. March 1, 1873.*

SIR; I have carefully examined the contested donation claim of David S. Maynard and wife, certificate No 440, on appeal from your decision of the 12th of August last.

I find the facts to be as follows: On the 26th of October, 1853, the said Maynard made his notification, No. 407, as a married man, for a donation claim containing 640 acres in Oregon, under the act of September 27, 1850, as amended by the act of February 14, 1853; he was married to Lydia A. Maynard in 1828, in the State of Vermont; he subsequently removed with his wife to the State of Ohio, and went thence to the Territory of Oregon, leaving his wife in Ohio; September 16, 1850, he took up his residence in Oregon, and April 3, 1852, settled upon and commenced cultivation of the tract in controversy; December 4, 1853, he was divorced by an act of the Territorial legislature of Oregon; January 15, 1853, he intermarried with Catharine T. Maynard, his present wife, who lived with him on the premises until after the expiration of the four years of settlement and cultivation.

It is satisfactorily shown that Maynard has fully complied with all the requirements of the law relating to settlement and cultivation. The register and receiver, April 8, 1872, issued a donation certificate which gave the west half of the tract to David S. Maynard, and the east half to his first wife, Lydia.

You awarded the west half to David and refused to award the east half to either the first or second wife.

I am of opinion that your decision should be affirmed.

Lydia A. Maynard was never on the land; she can only claim by virtue of being the wife of David, and she can claim no greater rights than he possessed at the time of the divorce. The divorce, says Bishop, "snaps the inculcum of the marriage. Whatever hangs upon it falls. Thus, if the man dies, the woman will not be his widow, nor entitled as such to dower and a portion of his personal property. He will not, on her death, be authorized to hold her lands as tenant by the courtesy, but on the contrary his interest, and that of his grantees and representatives, in them, and in her choses in action, ceases immediately." (1 Bishop, M. & D., 693;) *Leavins vs. Sletor*, (2 Green, Ia., 604;) *Starr vs. Pease*, (8 Conn., 541;) *Townsend vs. Griffen*; (4 Harring'n Del., 440.)

If, therefore, the estate of David had not vested at the time of the divorce, it is clear that the wife has no title now. I think the estate had not then vested. The interest of the husband was inchoate and depended upon his future compliance with the conditions prescribed by the statute. If he should fully comply, title would vest; otherwise it would not.

The conditions were conditions precedent, and had not then been complied with.

It is argued that the act of September 27, 1850, made a present grant, and therefore the fee was in the husband, subject to be defeated by his non-compliance with the condition subsequent of four years' cultivation. At the date of the act Maynard was not in possession. He did not make his settlement until more than five months after the passage of the act. He had not even initiated a right. The condition of cultivation is not, in my opinion, a subsequent, but a precedent one; and not having been complied with at the time of the divorce, the interest of Lydia in the premises was terminated by the dissolution of her marriage contract with David.

Catharine, the second wife, is not entitled, because she was not the wife of the applicant on the 1st day of December, 1850, or within one year from that date. The act was evidently intended to limit the additional 320 acres to cases where the person was married at the date of the act or should become married before the 1st of December, 1851. It says: "And if a married man, or if he shall become married within one year from the first day of December, eighteen hundred and fifty, the quantity of one section, or six hundred and forty acres, one-half to himself and the other half to his wife, to be held by her in her own right."

I affirm your decision, and herewith return the papers.

Very respectfully,

C. DELANO,  
Secretary.

Hon. WILLIS DRUMMOND,  
Commissioner General Land-Office.

By a decision dated July 29, 1872, in the matter of John B. Chapman's donation claim in Washington Territory, it was held by this Office that, although settlement was made in good faith in June, 1851, and inhabitation and the other requirements of the law complied with up to June, 1852, yet the claimant, Chapman, had now no title thereto, either legal or equitable, it appearing by the evidence produced that at the date last named he left Washington Territory with the intention of abandoning his claim, and that for a period of nearly eighteen years thereafter he neither resided on nor asserted title to the tract thus abandoned. In affirming this decision, the Hon. Secretary of the Interior, in his letter of May 23d, 1873, remarks: "I agree with you in the conclusion at which you have arrived, (that Chapman abandoned his claim when he left the Territory in the summer of 1852, and forfeited all right therein he then had or might have acquired.)"

The decision given below was not taken on appeal, it having been acquiesced in by the parties affected thereby.

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
Washington, D. C., March 24, 1873.

GENTLEMEN: I have had under consideration the papers in the case of the claim of H. C. Morse and the widow and heirs of T. Fred. Biers, claiming, under the donator

laws, a tract of land in township 2 north, of range 1 east, in Clark County, Washington Territory, said tract being bounded on the south by the Columbia River, on the west by the donation-claim of A. M. Short, and on the east by the United States military reservation at Fort Vancouver. This land is also claimed by the county of Clark and by the town of Vancouver; but concerning these two last-named claims, this Office expresses no opinion in this letter, those rights being reserved for future consideration.

It is not shown by the testimony in the case that Biers, under whom his widow and heirs now claim, was ever a resident upon the land in question, nor that his widow or heirs ever resided upon said land, except during the year 1854, when it appears the widow built a small shanty on the land and "kept a groggery." With the exception of this statement, made by A. C. Short on cross-examination, all the evidence in the case is to the effect that neither Biers nor his widow and heirs ever claimed any part of this land or resided upon any portion thereof.

The final proof in the case of H. C. Morse shows that from January 18, 1854, to June 22, 1860, he has continuously resided upon the land claimed, and in the deposition of John T. Lovelace the exact date when Morse moved upon the said land is given as the 28th day of December, 1853. Other witnesses testify as to Morse's inhabitation and cultivation, and though no witness other than Lovelace testifies as to the day when such inhabitation commenced, they all agree that it was after the reservation and survey of the present military reserve at Fort Vancouver.

The military occupation at Fort Vancouver began in May, 1849, and has continued from that time to the present day. On the 13th of October, 1850, Colonel Loring, by order of Gen. P. F. Smith, under direction of the War Department, declared a reserve of four miles square, including within those limits certain donation-rights, which led to an examination of the location by the War Department and was made the subject of an opinion, dated October 15, 1853, by Hon. C. Cushing, then Attorney-General of the United States, (6 Attorney-General's Op., p. 156.) Following this action and having in view the act of Congress approved February 14, 1853, (10 Stat., p. 159,) the then Secretary of War, by letter of October 29, 1853, addressed to Gen. E. A. Hitchcock at San Francisco, directed the reservation for military purposes of a site at Fort Vancouver, which order was, by letter dated San Francisco, December 7, 1853, communicated to Lieut. Col. B. L. E. Bonneville, commanding at said fort, and by him carried into effect, in order No. 77, issued December 8, 1853, from his headquarters.

In considering the validity of this reservation, I have examined the case of *Johnston vs. United States*, (2 Nott and Huntington, p. 291) and other authorities, and am convinced that whether or not the military occupation of Fort Vancouver in 1849, and the subsequent reservation by Colonel Loring in 1850, were such selections and reservations as were contemplated by section 9 of the donation-act of September 27, 1850, (9 Stat., p. 496,) there can be no doubt but the reservation of December 8, 1853, was such a selection and reservation, and hence that by the terms of said ninth section of the donation-act no donation-right could attach to any land thus selected and reserved, or within *one mile thereof*, "unless the residence and cultivation thereof commenced previous to the selection or reservation of the same for such purposes."

All the land claimed by Morse, and the widow and heirs of Biers, is within one mile of the present surveyed limits of the Fort Vancouver reservation, as reserved December 8, 1853, and to have entitled either of those parties to appear in this Office as donation-claimants, they should have shown by proper evidence that their residence and cultivation were of date anterior to said reservation. This neither of the parties has done. The widow and heirs of Biers fail to show any rights whatever under the donation-laws, and by the depositions of witnesses called by Morse it is clearly proved that he did not move upon the land now claimed until after the reservation and survey of the present military reserve; and in said claimant's "final proof" he gives the date of the commencement of his inhabitation and cultivation as late as January 18, 1854.

From the foregoing facts I decide that neither H. C. Morse nor the widow and heirs of T. F. Biers are entitled under the donation-laws to the land claimed by them as aforesaid.

You will give notice of this decision to all parties in interest, and allow sixty days from the service thereof for appeal to the honorable Secretary of the Interior. At the expiration of that time, if appeal be taken, you will transmit the same to this Office; if no appeal be taken, you will so notify this Office.

Very respectfully,

WILLS DRUMMOND, *Commissioner.*

REGISTER and RECEIVER, *Vancouver, Wash.*

A large number of donation claims in the State of Oregon, and in Washington Territory, have been examined, and five hundred and four of such claims have been patented during the year ending June 30, 1873, and it is believed that before the close of the year ending June

30, 1874, the arrears of work on this class of claims in the General Land-Office will have been-brought up to date.

I am, sir, very respectfully your obedient servant,  
**WILLIS DRUMMOND,**  
*Commissioner.*

The Hon. SECRETARY OF THE INTERIOR.

UNITED STATES LAND-OFFICES.

OHIO.	WISCONSIN.	KANSAS.
Chillicothe.	Menasha. Falls St. Croix. Wausau. La Crosse. Bayfield. Eau Claire.	Topeka. Salina. Independence. Wichita. Concordia. Cawker City.
INDIANA.		NEBRASKA.
Indianapolis.		Norfolk. Beatrice. Lincoln. Dakota City. Grand Island. North Platte. Lowell.
ILLINOIS.	CALIFORNIA.	NEW MEXICO TERRITORY.
Springfield.	San Francisco. Marysville. Humboldt. Stockton. Visalia. Sacramento. Los Angeles. Shasta. Susanville. Independence.	Santa Fé.
MISSOURI.		DAKOTA TERRITORY.
Boonville. Ironton. Springfield.		Sioux Falls. Springfield. Pembina. Yankton.
ALABAMA.	NEVADA.	COLORADO TERRITORY.
Mobile. Huntsville. Montgomery.	Carson City. Eureka. Pioche. Elko.	Pueblo. Denver City. Fair Play. Central City.
MISSISSIPPI.		IDAHO TERRITORY.
Jackson.	WASHINGTON TERRITORY.	Boisé City. Lewiston.
LOUISIANA.	Olympia. Vancouver. Walla-Walla.	MONTANA TERRITORY.
New Orleans. Natchitoches. Monroe.		Helena.
MICHIGAN.		ARIZONA TERRITORY.
Detroit. East Saginaw. Ionia. Marquette. Traverse City.	MINNESOTA.	Prescott. Florence.
ARKANSAS.	Taylor's Falls. Saint Cloud. Du Luth. Alexandria. Jackson. New Ulm. Litchfield. Redwood Falls. Detroit.	UTAH TERRITORY.
Dardanelle. Little Rock. Camden. Harrison.		Salt Lake City.
FLORIDA.	OREGON.	WYOMING TERRITORY.
Gainesville.	Oregon City. Roseburgh. Le Grande. Linkville.	Cheyenne.
IOWA.		
Fort Des Moines. Sioux City.		



REPORT OF THE COMMISSIONER OF  
OFFICES OF UNITED STATES SURVEYORS-GENERAL.

Surveying-districts.	Names of surveyors-general.
District of Kansas, Lawrence, Kans.....	C. W. Babcock.
District of Minnesota, St. Paul, Minn.....	Dana E. King.
District of Dakota, Yankton, Dak.....	William P. Dewey.
District of Colorado, Denver City, Colo.....	William H. Lessig.
District of Idaho, Boise City, Idaho.....	L. F. Cartee.
District of California, San Francisco, Cal.....	James R. Hardenbergh.
District of Nevada, Virginia City, Nev.....	E. S. Davis.
District of New Mexico, Santa Fé, N. Mex.....	James K. Proudfit.
District of Oregon, Eugene City, Oreg.....	William H. Odell.
District of Washington Territory, Olympia, Wash.....	William McMicken.
District of Nebraska, Plattsmouth, Nebr.....	E. E. Cunningham.
District of Montana, Helena, Mont.....	John E. Blaine.
District of Utah, Salt Lake City, Utah.....	C. C. Clements.
District of Arizona, Tucson, Ariz.....	John Wasson.
District of Florida, Tallahassee, Fla.....	Joshua W. Gilbert.
District of Louisiana, New Orleans, La.....	E. W. Foster.
District of Wyoming, Cheyenne, Wyo.....	Silas Reed.

A.—*Report of the surveyor-general of Louisiana.*

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
New Orleans, August 30, 1873.

SIR: I have the honor to submit, in duplicate, my annual report of the surveying service in this district for the fiscal year ending June 30, 1873, accompanied by the following enumeration of tabular statements, to wit:

A.—Surveying contracts entered into by the surveyor-general of Louisiana on account of appropriations for the fiscal years ending June 30, 1871, and June 30, 1872, not reported as completed in the statements of previous years.

B.—Surveying contracts entered into by the surveyor-general of Louisiana on account of appropriation for the fiscal year ending June 30, 1873.

C.—Surveys and resurveys proposed to be made during the fiscal year ending June 30, 1875, in the state of Louisiana, at rates not to exceed \$12 for township boundaries, and \$10 for all other lines, per mile.

D.—Estimate of funds to be appropriated for the fiscal year ending June 30, 1875, for surveying in Louisiana, for compensation of surveyor-general and his clerks, and for contingent expenses in his office.

E.—Account of appropriations for the salary of surveyor-general of Louisiana, and for clerks in his office, for the fiscal year ending June 30, 1873.

F.—Account of appropriation for incidental expenses of the office of surveyor-general of Louisiana, for the fiscal year ending June 30, 1873.

G.—Tabular statement of the reports made by the officers under congressional appointments, for the final adjustment of private land-claims in the state of Louisiana.

H.—Statement showing the appropriations for salary, clerk-hire, incidental expenses, and for survey of public lands in Louisiana, from the year 1844 to 1874.

These tables exhibit the progress of the public surveys during the period embraced by this report, explain the condition of all surveying contracts in force at the close of the last fiscal year, the present attitude of subsequent contracts, and account fully for all the disbursements of appropriations granted this office for the prosecution of field surveys, and for clerical services; exhibiting, also, a statement of the surveys proposed to be made during the next fiscal year, and the usual estimates therefor.

## FIELD-WORK.

During the first, second, and third quarters of the past fiscal year, the season for field operations was favorable, and the execution of contracts progressed satisfactorily; but since the 1st of April last, extraordinary rains have seriously retarded field-work, compelling the deputies to suspend their labors; an extension of time has been granted to most of them with the hope that, during the coming fall, all surveying contracts now in force will be completed.

## OFFICE-WORK.

The regular and miscellaneous work of this office has been unusually large for the limited force employed, and to prevent an accumulation which would have unavoidably occurred, an extension of the usual business hours established by custom, or prescribed by law, has been required of the clerks of this office; extra clerks, also, have been employed, and, with your sanction, paid from the appropriation for contingent expenses; furthermore, I have been compelled to have regular office-work performed at my own personal expense.

The "exhibit of private land-claims" in this State has been found to be a labor of greater magnitude than was at first reported; still, good progress has been made in this most desirable and important work, and that part of it relating to the Greensburgh district has advanced nearly to completion.

There have been issued during this fiscal year, under the act of June 2, 1858, sixty-three certificates of location; but since the receipt of your instructions of August 26, 1872, requiring additional evidence of confirmation and a more thorough investigation into the merits of the claims themselves, and owing, also, to the encroachments of other and more pressing duties, this work was suspended, and, as yet, has not been resumed.

In order that you may fully comprehend the present condition of the public surveys in this State, and the necessity existing for the estimates herewith submitted, it is thought proper to take a retrospect, in as condensed a manner as possible, of the early surveys.

*Retrospect.*

The Territory of Louisiana was ceded by France to the United States under the treaty of April 30, 1803, and, with the exception of the West Florida parishes, was oc-

cupied a few years later; formal possession, under the provisions of the act of Congress approved October 31, 1803, was taken by the American Government on the 20th of December of the same year.

#### DIVISION OF THE TERRITORY.

By the act of Congress approved March 26, 1804, the territory thus acquired was divided as follows: That portion of the cession lying south of the Mississippi territory and of an east and west line commencing on the Mississippi River at the thirty-third degree of north latitude, and extending west to the boundary of the said cession, was made to constitute one division under the name of the "Territory of Orleans," now known as the State of Louisiana; the remaining portion of the cession, lying to the north and northwest of the first division, was designated as the "District or Territory of Louisiana."

#### SURVEYING DISTRICT.

By several congressional enactments following closely upon this act of cession, the Territory of Orleans became attached to the surveying district of the surveyor of public lands south of the Tennessee, who was instructed to cause such public lands therein situated, as the President should direct, to be surveyed and divided as correctly as the nature of the country would admit, in the same manner and under the same legal requirements as were applicable to the other public domain of the country.

#### LAND DISTRICTS.

By the same acts the Territory of Orleans was divided into two land districts; that portion of the Territory lying east of the river Atchafalaya and Grand Lake, including the island of New Orleans, was designated as the eastern, now known as the south-eastern district, with land-office at New Orleans; the remainder was designated as the western district, with the land-office at Opelousas; this latter has since been subdivided into the southwestern, north of Red River, and northwestern districts.

The old eastern and western districts were each provided with a board of commissioners empowered to examine and decide upon all claims to land the titles to which emanated from governments previously holding sovereignty over the territory; and with a principal deputy surveyor, to have charge of the surveys in his district, with directions to report to the surveyor south of Tennessee.

#### INSTRUCTIONS.

Liberal appropriations were placed at the disposal of the said surveyor of public lands, accompanied by instructions to cause, in the first place, the survey of the thirty-third degree of north latitude, the meander of certain rivers, to locate the 11,520 acres of land granted by Congress to General La Fayette, and by observations and explorations to prepare and perfect a comprehensive plan for the general survey of the public lands of the Territory, and, before the close of the year 1806, such a plan was matured and adopted.

#### FURTHER INSTRUCTIONS.

The following extract from a letter dated May 8, 1806, written by the honorable Albert Gallatin, then Secretary of the Treasury, to Isaac Briggs, surveyor of public lands south of Tennessee, explains the reasons which actuated the Government at that date in hastening the survey and sales of public lands in the Territory:

"You will use every possible endeavor to have as much of the public lands in the western district of the Territory of Orleans surveyed during this year as is practicable. It is the wish of the legislature that the public lands in that quarter should be offered for sale; and, I will add, that that object is intimately connected with the welfare, and even the safety of that newly-acquired territory; for it is the only portion where any great increase of American population can take place, and I need not comment on the importance of this object. It may, indeed, in this instance be found necessary to sacrifice the scientific correctness which would otherwise be desirable to the dispatch which is indispensably necessary."

#### PLAN OF SURVEY.

The plan of survey adopted was to extend the thirty-first degree of latitude, or, as it was called, "the line of demarkation," which was established by the treaty between the United States and Spain of the 27th of October, 1795, as the boundary between the

Mississippi Territory and the Spanish provinces, across the Mississippi River, and thence due west to the Sabine, as a base-line from which surveys should be made. At the same time a meridian line was to be established, extending from the Red River to the sea, running sufficiently to the west of the Mississippi to avoid its inundations. At first Natchitoches or "The Rapids" were suggested as eligible initial points; finally, however, it was decided to run the base-line from the eastern bank of the Mississippi River, due west, on the true thirty-first degree of latitude, forty-eight miles, or eight ranges of townships, and there establish an initial point, from which the "basis meridian" should be extended due north to the thirty-third degree of latitude, and due south to the Gulf, and then, as rapidly as possible, to cause the public domain to be subdivided.

#### CONTRACTORS.

The survey of the base-line was intrusted to John Cook, a deputy surveyor, who commenced his labors toward the close of the year 1806, and completed, early in 1807, eighty-four miles of his contract, to a point thirty-six miles west of the intersection of the meridian, and to a stream supposed by him to be the Sabine River, but which was afterward ascertained to be the Rio Hondo, or Calcasieu.

For the survey of the "basis meridian" a contract was made with Thomas Owings, another deputy surveyor; and for the survey and subdivision of all the townships west of that line to the meridian of Natchitoches, five ranges of townships, and east of it to the river Atchafalaya, there were employed eighteen deputies, who, during the year 1807, completed the survey of more than one hundred townships in the western district alone.

#### ERRONEOUS SURVEYS.

These extensive surveys had not proceeded far before it became apparent that grave and reprehensible errors had been committed by both Cook and Owings, in running their respective lines. The unintentional latitude expressed in the last clause of Mr. Gallatin's letter had been most audaciously perverted, and not only *scientific correctness*, but the most ordinary rules of compass-surveying had been sacrificed to accomplish a field-survey so hurried and superficial that an accurate representation of the country on township maps was delayed for many years, and, in fact, has not been fully accomplished to this day; indeed, so glaring were these discrepancies that before the township maps could, with any degree of correctness, be protracted from the surveyor's notes, it was deemed necessary to resurvey, or run anew, these fundamental lines; in doing which Cook's base-line, from the initial point east to the Mississippi River, was discarded, and a new line run and adopted as the "basis parallel." This line commenced at Cook's initial point and extended eastward to the Mississippi River, terminating at a point forty-seven miles and a few chains from the initial point, and more than 1,200 yards to the north of Cook's place of beginning on the thirty-first degree of latitude.

The line west of the initial point, which was retraced and re-established, was found to be a zigzag, incongruous line, which, in thirty-six miles, had gained to the north over 600 yards.

Nor was the original survey of the "basis meridian," by Owings, worthy of much more confidence; on the contrary, it betrayed nearly the same want of accuracy and precision as had marked the labors of Cook. In the sixty-six miles resurveyed the following year, there was found to be an excess of 50 chains over the proper distance, fortunately, however, at no considerable variance from the true meridian.

#### THE RESULTS.

The consequences of these erroneous surveys are as sensibly felt in the surveying service to-day as at the time of which we speak; for although the objectionable character of their principal lines was so early known, yet, as extensive and important surveys had been based upon them at great expense to the Government, it was deemed necessary, whenever it was reasonably practicable to re-establish these erroneous lines, and with the omission of accurate connections, with all possible celerity to draught separate township maps from surveys already made, so that no delay should ensue in bringing the lands into market; hence, further corrections were not attempted, but the notes that had been returned were, to some extent, so amended as to conform partially to the corrections made on the principal lines; and by this method a continuation of the public surveys was not interrupted.

This plan was carried into effect, and the surveys of public lands over the western district, including what was afterward the "southwestern and northwestern districts," and the "district north of Red River," especially of such lands therein as were regarded as the most valuable, were rapidly extended.

## EASTERN DISTRICT.

In this district considerations of a different nature affected the early surveys. The country was mostly low alluvial, liable to the inundations of the Mississippi, and, with the exception of the narrow ridges along the streams where settlements existed, covered with a luxuriant vegetation and an almost impenetrable undergrowth, interspersed, too, with soft and boggy quagmires, or cut up with deep and turbid bayous, whose waters were filled with venomous reptiles, and with an atmosphere poisoned by malarial exhalations and swarming with noxious and pestiferous insects. Nor was this all; the most valuable portion of the country was claimed by conflicting and interfering concessions, held frequently by parties inimical and hostile to the government recently in possession; and as the maximum rate per mile established by law for the compensation of surveyors was the same as in the upland portions of the State, where surveys could be executed with less expense and far less exposure; for these reasons it was found exceedingly difficult to induce competent surveyors to undertake surveying contracts, and, with the exception of extending a few township boundaries on the west side of the Mississippi River, and the lines of some private claims, but little surveying was done in this district until the adoption of the system authorized by act of May 24, 1824, for surveying irregular sections, or lots of eighty acres, each having a front equal to two acres on a stream of water, by a uniform depth of forty acres.

Under the provisions of this latter act nearly all the public lands bordering upon any water-course, including some that had already been surveyed under the rectangular system, and lands that were held and owned as private claims, were subdivided into lots. These surveys, however, like those to which we have previously referred, were conducted in a manner so hurried and hasty that the surveyors omitted, in almost every instance, to connect their lines with the township boundaries.

## LAND-CLAIMS.

Following the cession by France to the United States, Congress, in a liberal spirit, and anxious to preserve the national faith, adopted various provisions for the confirmation of titles to land; and not only titles perfect in themselves, but that class of incomplete titles known by the names of Riquettes, orders of survey, permission to settle, surveyors' plats and certificates, as well as other written evidences derived from foreign powers previously holding sovereignty were, when properly authenticated, confirmed; and, beyond this, persons who had, at the time of the cession, occupied or cultivated tracts of land, or those who had purchased settlement rights, were confirmed in their possessions in the same manner as would have been the case under the laws and usages of former governments.

These legislative provisions "for the final adjustment of private land-claims in Louisiana" continued to be extended and re-enacted, from time to time, and, under the act of June 10, 1872, are still in force.

By virtue of these enactments, for several years subsequent to the time when the land commissioners commenced their investigations, the attention and labors of the officers of this surveying district were directed, principally, to the location of these private claims, under orders from the land commissioners and their successors, the register and receiver of the land-office.

## SURVEY OF CLAIMS.

Private claims were generally surveyed as distinct, separate tracts; and, as the claimants, at least for several years, were required to pay for such service, they felt no obligation to have their lines connected with those established by public or other surveys.

In the mean time, as the investigations of the commissioners continued, the fact was developed that larger portions of the territory were held by individuals than was originally imagined; thus much of the land that had previously been surveyed as public, was found to be covered by private claims, and that these claims frequently not only conflicted and interfered with each other, but also with public lands, which the Government in good faith had surveyed and sold, producing, inevitably, disputes, dissatisfaction, and disorder, which the land-offices at that time were unable to reconcile.

The following extract from the surveyor-general's report of 1846 will convey a fair idea of the condition of the surveys at that time:

"The condition of the old surveys in the southeastern and southwestern districts is a subject which demands the most serious consideration. Although heretofore marked on the maps as surveyed, not *one in ten* of the townships containing private claims will stand the test of the most superficial office examination at the present time; so full of errors and discrepancies are they that it is scarcely possible to take up a single

separate plat of survey which will bear that kind of examination which, under present regulations, would entitle it to the official sanction of the surveyor-general.

"These errors and discrepancies have been caused by the loose, irregular, and independent manner in which the surveys were made, the number of surveyors permitted to operate in the same township, and the inadequate compensation allowed the officer appointed to examine the returns, which depending, as it did, almost entirely upon the amount of work passed through his office, would not allow him to give every separate survey that careful, mathematical consideration which it ought to receive previous to having the approval of an officer of the Government."

#### GREENSBURGH OR SAINT HELENA DISTRICT.

Soon after the occupation by the United States of the province of West Florida, which embraced the lands east of the Mississippi River and the island of New Orleans to the River Perdido, and northward to the thirty-first degree of north latitude, and which, until the treaty of February 22, 1819, was claimed by the government of Spain as a part of her domain, that portion lying west of Pearl River was, by the acts of the 14th and 25th of April, 1812, attached to the State of Louisiana, and a land-district was organized with the office at Saint Helena Court-House, subsequently removed to Greensburgh.

A commissioner, also, was authorized, and afterward appointed, who was required to receive, classify, and report to Congress all claims to land in a manner similar to that adopted in the other districts of Louisiana; and, furthermore, to report a list of actual settlers occupying lands without written evidences of title.

#### REPORT.

In consequence of the war and other causes, delays occurred before the commissioner commenced his investigations, and a complete report was not made until June, 1815, which was submitted to Congress on the 2d of January, 1816.

It embraced ten hundred and twenty-four claims derived from the French, Spanish, and British authorities, and a list of twelve hundred and thirty-four actual settlers.

This report was not acted upon by Congress until the 3d of March, 1819, when an act was passed confirming the claims derived from the previous governments, under certain limitations, and confirming to the actual settlers a donation not to exceed 640 acres of land each, provided the settlements were made prior to April 15, 1813, granting, also, pre-emption rights to those who had made their settlements at a later date.

By the same act the time for filing claims to land was extended, and, by subsequent acts, re-extended, and the register and receiver of the land-office were invested with the powers and required to perform the duties formerly imposed upon the commissioner.

These officers made several reports; for their dates, the number of claims reported, the acts of Congress confirming the same, and relative information, reference is made to tabular statement G, submitted herewith.

#### REGISTER AND RECEIVER.

The act of May 8, 1822, required these officers to direct the manner in which all confirmed claims should be located and surveyed, specifying that they should be guided by the laws, usages, and customs of the Spanish government.

It appears that at this time, and for several years subsequently, much difficulty was experienced in securing for these places competent officers who would, for the limited remuneration allowed by law, perform the required duties; and the inevitable confusion resulting from a frequent change of officers, and the disorderly condition of the records occasioned embarrassment and delays in obtaining the evidence requisite for the proper location of these claims.

By the said acts of 1812 the powers vested in the "surveyor of publiclands south of Tennessee" were extended over this section of country, and a principal deputy surveyor residing therein was appointed, with instructions to extend the lines of public survey over this district.

#### PRINCIPAL LINES.

The line of demarcation was taken for the base. This line was originally surveyed in the year 1796 by Andrew Elicott, esq., who ran his line east from the Mississippi River, and erected his posts at the end of every mile. The first twenty-one miles were run with a transit instrument, but the remainder of the line—from the twenty-first mile-post to Pearl River—was run with a compass, and the guide-line only was marked. At the latter point Elicott ascertained by astronomical observation that he had erred northward about 70 yards, and, continuing to the Mobile River, by a second observation he discovered that he had gained to the north 2,847 yards. Returning, he removed the mile-posts to the true line.

In the mean time, before Congress acted on the commissioners' reports, the Government, importuned by the new settlers, urged the surveyor south of Tennessee to prosecute, with expedition, the public surveys; therefore, with the base-line as stated, an independent meridian running south from the thirtieth mile-post was extended, and about the year 1820 the surveying of the district into townships, sections, and subdivisions of sections, was commenced conformably to the general provisions of law respecting the survey of public lands.

#### COMPLICATIONS.

Several surveyors were sent to the field; some commenced from Elicott's true, and others from the guide line, and thus, in a short time, confusion and vexatious differences were discovered. But complications followed of a more serious character: a want of harmony developed between the operations of the surveyors, and those of the officers of the land-district, for while the former were subdividing the land, including confirmed claims, into public sections, or, from their meager information of the extent and correct location of the boundaries of private property, were locating private claims on land actually public, thereby constructing and distributing maps intrinsically erroneous, the latter, acting under general instructions, and pressed by reason of the wants of an increasing immigration, were throwing these lands, without reserve, upon the market, and at the same time, acting under their special instructions as commissioners to adjust land-claims, were issuing orders of survey and directions to deputy surveyors, to locate the private land-claims according to the laws, usages, and customs of the Spanish government. A more intelligible idea of the inherent defects of these usages and laws cannot, perhaps, be given than is to be found in the language of one of our most experienced surveyors. He states:

"It was the general custom of the surveyors employed by the French or Spanish government, in locating tracts in the province of Louisiana, having a depth of forty arpents, merely to survey the fronts of such tracts, and to indicate the courses of the side lines by planting bourns or posts at equal intervals from each other, and at short distances from the river, without actually running and measuring the full depth of said side lines, and without closing the survey by running the rear line between the extremities of such side lines; and that in tracts having greater depth than forty arpents, or a depth extending to another river, lake, or other natural boundary, it was their custom, invariably followed, as far as I can ascertain after careful examination, to measure to the forty-arpent points on such side lines, and then, at short distances therefrom, to establish bourns or posts to exhibit the prolongation of the side boundaries."

This mode of surveying claims was adopted by the deputies acting under the explicit instructions of the register and receiver; of course, no connections with township boundaries, or any lines already established were made, nor even did they join their claim lines, but separate plats of each survey were made and returned as in other districts.

#### THE NEUTRAL TERRITORY.

Until the treaty of 1819 no definite line had been agreed upon as the boundary between the United States and the Spanish province of Mexico, but, by this treaty, the strip of country known at that time as "neutral territory," lying between the Sabine and Red Rivers, nearly as far down as Natchitoches, and the Rio Hondo and Calcasieu Rivers to the Gulf, was admitted to be a part of Louisiana.

In the year 1830 the survey of this late neutral territory was commenced. The "basis parallel" was extended to the Sabine River, but whether or not an accurate connection was made with Cook's terminus on that line, cannot now be determined from the field-notes; the presumption, however, is that the surveys were commenced at the thirtieth mile-post as re-established in the survey of Cook's line.

From the thirty-sixth mile-post west, on the said base-line, a guide meridian was extended, due south, to the line of sea-marsh, and from these lines the townships were laid off and subdivided, westward, to the Sabine, and eastward, one range of townships, to the supposed western border of the surveys of 1807, before mentioned.

Owing to the errors and omissions in the first surveys, and the failure of these later surveyors, with few exceptions, to identify the old boundaries, it is known that these later surveys, in some instances, overlapped the earlier ones, causing interferences and confusions, which have not yet been adjusted.

#### SURVEYS ON THE COAST.

It will be observed that the surveys heretofore mentioned were mainly confined to the upland portion of the State, and the strips, or ridges, fronting on the water-courses.

At a later period it was found necessary to connect these together by extending township lines, and traversing the Gulf coast.

The great difficulty in securing competent surveyors to extend township lines was not surmounted for several years, but contracts were made for surveying the coastline, and the subdivision of the townships bordering thereon.

In doing this for the southwestern district, instead of extending the principal meridian south from the point where the first surveyors ceased their work at the line of the sea-marsh, to the margin of the Gulf, and then continuing their surveys, east and west of the meridian, they began at the mouth of the Atchafalaya River, in range 11 east, and ran west, establishing township corners at every six miles, and made subdivisions accordingly.

The first surveyor, in working south, had taken into consideration the divergence of the lines of the true meridian, and between the 31st and 30° north latitude, had increased the south boundary of each township over its corresponding north boundary forty-two links, dividing the excess on each subdivision; therefore the south boundary of township No. 12 south—about the place at which they discontinued their surveys—was at least five chains in excess of six full miles, resulting, as is now ascertained, in an excess of seventy-eight chains from the principal meridian to the Atchafalaya, and, as a consequence, the townships bordering on the coast are at variance with those in the interior.

The extensive belt between these surveys, which is a region of marshy prairie, interspersed with islands of extraordinary fertility, has not, with isolated exceptions, as yet been surveyed.

#### ACT OF MARCH 3, 1831.

Up to this time the public surveys of this State were performed under the immediate direction of a principal deputy surveyor in each land district, who was paid an annual salary of \$500, with small additional fees for examining and recording; if we stop, for one moment, to consider the inadequacy of such remuneration to secure the services of officers qualified to perform duties so responsible, and to reflect upon the intrinsic difficulties arising from the conflicting provisions of the laws, the jealousies entertained by the retiring officers of the late government, who appropriated valuable public records for private uses, refusing to deliver them to their successors, and if we reflect upon the apathy of the old inhabitants, and their reluctance to furnish information of which they were the natural custodians, we shall find in these considerations, and in the fact that the surveys in each land district were made independently, not joined by extending township or other lines across the dividing streams, some of the courses that produced the unfortunate and inexplicable condition in which the surveys of this State existed at the time of the passage of this act.

By the provisions of the law of March 3, 1831, the surveying district of Louisiana was organized; the office of principal deputy surveyor was abolished, and that of surveyor-general created; but, by reason of limited clerical assistance, several years elapsed before the office was put in working order, and not until after the organization of the General Land-Office, under act of July 4, 1836, was any progress made in solving the complex problem of harmonizing the surveys of Louisiana.

Through the operation of this latter act, a more liberal apportionment of funds was made for clerical work, and, at the same time, the maximum mileage for surveying was increased, and a system of corrective resurveying was adopted.

#### RESURVEYS—GREENSBURGH DISTRICT.

After several years of fruitless effort to adjust the surveys in this district, a resurvey was found imperative, and this was authorized by act of Congress of August 29, 1842.

To accomplish this intricate and tedious enterprise, liberal appropriations were made, which were applied, not only to the payment for such surveys, but also for the salary of an assistant surveyor to superintend the field-work; for clerks, draughtsmen, and for other incidental expenses.

The work commenced in the year 1844, and was completed by the close of the year 1853; and, although owing to the great lapse of time, the loss of the records, the removal from the country of interested parties, and because of vague and indefinite descriptions, a large number of confirmed private claims were not located, yet there is not, probably, in the United States a region of equal extent that is laid off with more precision, or one in which the field-work is more thoroughly performed, and the maps representing the same contain more useful and exhaustive information than is the case in this district.

For the accomplishment of this creditable work the Government is indebted, in a great measure, to the long experience and conscientious devotion of R. W. Boyd, esq., the surveyor-general.

#### OTHER RESURVEYS.

During the advancement of the surveys of the Saint Helena district a system of corrective surveys was inaugurated in the four other districts. These corrections cor-



sisted, mainly, in an extension of township boundaries, locating claims, and connecting them with the lines of the original surveys; and it was generally found that in undertaking the correction of townships where it was supposed only a few miles of surveying would be required, so many errors and confusions existed that not only a complete resurvey of a township was necessary, but often extensive errors were developed in the surrounding townships. To exemplify this fact, I submit herewith two diagrams of township 19 south, range 18 east, southeastern district, west of the river. The first is a protraction from the original field-notes as returned to the principal deputy-surveyor. The second is a true representation of the resurvey of the same township, where the old corners were identified and re-established, and connected together by straight lines. (See diagram following this report.)

In consequence of these inaccuracies and confusions, it soon became apparent that resurveys of many portions of the southeastern and southwestern districts, and the district north of Red River, were necessary, which, with some isolated exceptions, have been made, and but for the suspension of this office in consequence of the late war, it is probable that the public surveys of the State would have been brought to a final conclusion several years ago; and it is but justice for me to add that these results are largely owing to the supervision of the then surveyor-general, William J. McCulloh, esq., whose genial acquirements and intimate acquaintance with the laws, customs, and usages of the previous governments signally adapted him for the labors which he has, with assiduity and conspicuous ability, performed.

#### UNFINISHED FIELD-WORK.

After a careful examination of the old surveys in the northwestern district and district north of Red river, which remained uncorrected at the time of the suspension of this office, I have become satisfied that, with the exception of a few connections of township-lines across Red River, and some detached jobs, such as the survey of lake beds, &c., and the correction of a few irreconcilable errors, no further work is required to be performed in these districts.

In the southwestern district it is proposed to continue the system of correcting old and defective surveys, and preparing new plans of those now illegible, westward to the border of the surveys of 1830 from about two ranges west from the basis meridian, where they were, in the years 1860 and 1861, suspended; and to continue the extension of township-lines across that belt of country between the border of the sea-marsh and the Gulf of Mexico, to meander the lakes, water-courses, and islands therein, and to subdivide such tracts as may be found suitably adapted for inhabitation and cultivation.

In the southeastern district the unfinished work consists in detached jobs, isolated townships, locating confirmed claims, connecting the coast with the interior surveys, and correcting errors arising from the approval of erroneous and fraudulent surveys.

The inherent difficulties incident to the prosecution of these surveys necessitate an increase of the maximum rate allowed per mile for surveying, and the estimates for the following year have been based accordingly.

The extraordinary nature of some of these detached jobs renders their execution impracticable under ordinary methods, and it is proposed, therefore, to employ a deputy on a salary, who, when not engaged in the field, can be advantageously employed in this office.

#### UNFINISHED OFFICE-WORK.

Your attention has been called in previous reports to the large amount of unfinished work which must be performed before the closing of this office, and the transfer of its records to the State authorities. My report for 1871 shows that the transcript of field-notes for more than seven hundred townships, and plats for the patenting of sixty-one hundred and eighty private claims, remained to be prepared and transmitted to the proper offices. Since that time, no provisions having been made for this work, it remains *in statu quo*.

The "exhibit of private land-claims," before mentioned, if consummated according to the plans proposed, requires the services of at least two able and competent clerks for the ensuing year.

The estimates herewith submitted, statement D, have been reduced to the lowest figures commensurate with the amount of proposed work, and with the labor that will be necessarily required in finally closing this office, which, it is believed, can be accomplished by the 30th of June, 1876.

I have the honor to be, very respectfully, your obedient servant,

E. W. FOSTER,  
Surveyor-General Louisiana.

Hon. WILLIS DRUMMOND,

Commissioner of the General Land-Office, Washington, D. C.

A.—Surveying contracts and instructions entered into by the surveyor-general of Louisiana on account of appropriations for the fiscal years ending June 30, 1871, and June 30, 1872, not reported as completed in the statements of previous years.

FOR THE YEAR 1871.

Contracts or instructions.	Name of deputy.	Locality of work.	Estimated liability.	Lines surveyed.		Filing fees.	Amount.	Remarks.
				Township.	Sect's and meander.			
No. Date.								
5 Dec. 1, 1870	Maurice Hauké.....	Accounted for in previous rept. T. 8 and 9 S., R. 1 W., and T. 10 S., R. 2 and 3 W., southwest district.	\$2,000 00	<i>Mts. chs. lks.</i> 29 15 66	<i>Mts. chs. lks.</i> 301 79 97	(f)	\$3,628 26	Field-notes returned. T. 9 S., R. 1 W., accounted for in last report. Notes of T. 8 S., R. 1 W., were approved, and accounts, &c., transmitted, but afterward found to be fraudulent and were canceled. Surveys of T. 10 S., R. 2 and 3 W., erroneous and disapproved.
(*) Dec. 5, 1872	J. P. Parsons.....	Examination of T. 8 S., R. 1 W., southwestern district.	\$5 per day & expenses.			(f)	105 00	Return made; acc'ts and report transmitted.
(*) Mar. 10, 1873	J. P. Parsons.....	Examination of T. 10 S., R. 2 and 3 W., southwestern dist.	\$5 per day & expenses.			(f)	185 50	Return made; acc'ts and report transmitted.
	Total.....	Appropriation, (act of Congress July 15, 1870)			10,000 00		8,918 76	
	Balance unexpended.....				10,000 00		1,081 24	
							10,000 00	

FOR THE YEAR 1872.

8 Sept. 26, 1871	W. J. Henry.....	Accounted for in previous rept. See last report	3,000 00	164 36 11	673 08 32	(f)	6,939 15	Completed and approved; nearly ready for transmission.
12 Apr. 20, 1872	V. Suiakowski.....	T. 15 S., R. 17 and 18 E., southeast district.	1,920 00	20 56 65	107 34 07	(f)	1,066 49	Completed and approved; maps and transcripts transmitted.
13 May 15, 1872	S. P. Henry.....	T. 14 S., R. 7 and 8 W., southwestern district.	600 00	25 34 28	228 64 87	(f)	2,085 83	Completed and approved; maps and transcripts transmitted.
14 June 29, 1872	William J. McCulloh.....	Ts. 6 and 7 S., R. 5 E., southwestern district.	2,000 00	22 62 30	49 77 31	(f)	627 52	Survey not completed; contract extended to a limited extent.
	Total.....	Appropriation, (act of Congress March 3, 1871)				(f)	10,718 99	
	Balance unexpended.....				12,240 00		1,521 01	
					12,240 00		12,240 00	

\* Instructions. † \$10 for township-lines; † \$8 for section-lines and meander. ‡ \$10 for township-lines; † \$8 for section-lines. E. W. FOSTER, Surveyor-General Louisiana.

REPORT OF THE COMMISSIONER OF

B.—Surveying contracts entered into by the surveyor-general of Louisiana on account of appropriations for the fiscal year ending June 30, 1873.

Contracts.	Name of deputy.	Locality of work.	Estimated H. Ability.	Lines surveyed.		Rate per mile.	Amount.	Remarks.
				Township.	Sections & meander.			
No.	Date.			M. chs. lts.	M. chs. lts.			
1	June 23, 1872	P. A. Thibodeaux.	T. 8 and 9 S., R. 2 W., and T. 8 S., R. 1 W., added under instructions of January 16, 1873, completed the survey of T. 6 N., R. 11, 12, and 13 W.; T. 6 N., Rs. 10, 11, 12, and 14 W.; T. 7 N., R. 10, 11, and 12 W.; T. 9 N., R. 11, and 12 W.; T. 10 N., Rs. 12, 13, and 14 W., and T. 11 N., Rs. 11, 12, 13, and 14 W., northwestern district.	\$2,800 00	15 43 16	59 9 98	\$10 8	{ T. 8 S., R. 2 W., completed and approved; maps and transcripts transmitted, surveyor delayed first by reason of fraudulent survey in T. 8 S., R. 1 W., second, excessive rains; surveyor now in field; T. 8 S., R. 1 W., completed; notes now under examination; contract extended.
2	July 30, 1872	John P. Parsons.	Township boundaries: T. 5, 9, 10, and 11 S., R. 4, 5, 6, and 7 W., and subdivided T. 11 and 12 S., R. 8 W., southwestern district.	4,400 00	35 25 68	107 6 74	10 8	{ T. 11 and 12 S., R. 8 W., completed and approved; maps and transcripts transmitted; surveys retarded by reason of rainy season; contract extended; surveyor now in field.
3	Aug. 9, 1872	William H. Robinson.	T. 9 S., R. 6 and 9 E., T. 10 S., R. 7 and 8 E.; T. 11 S., R. 7 and 8 E., southeastern district; T. 5 S., R. 2 E., T. 6 S., R. 2 and 3 E., and T. 7 S., R. 4, 5, and 6 W., southeastern district.	5,000 00	31 48 56	142 12 40	10 8	{ All in southeast district completed and approved; maps and transcripts transmitted; balance returned and now under examination.
4	Aug. 22, 1872	V. Sulakowski.	T. 12 S., R. 94 E.; T. 16 S., R. 84 and 25 E., and T. 20 S., Rs. 29 and 30 E., southeastern district.	1,900 00	90 11 99	81 0 43	10 8	{ T. 20 S., R. 29 and 30 E., completed and approved; maps and transcripts transmitted; surveyor dead; balance of the contract now under examination.
5	Aug. 23, 1872	George H. Grandjean.	T. 11 and 13 S., R. 12 E., southeastern district, Louisiana.	1,500 00	90 05 06	223 58 52	10 8	{ Completed and approved; maps and transcripts transmitted.
6	Aug. 23, 1872	W. H. R. Hangen.	T. 11 S., R. 2 W.; T. 13 S., Ra. 1 and 2 W., southwestern district.	1,500 00				{ Surveys retarded by excessive rains; contract extended; surveyor now in field.
7	Oct. 4, 1872	N. F. Hyer.	T. 14 and 15 S., R. 15 and 16 W., southwestern district.	500 00				{ Contract expired by limitation.
Appropriation, (act of Congress June 10, 1872).....			17,500 00	122 54 65	612 8 7			6,224 30
Balance.....					\$18,000 00			11,705 70
Total.....								18,000 00

E. W. FOSTER,  
Surveyor-General Louisiana.

SURVEYOR-GENERAL'S OFFICE, NEW ORLEANS, LA., August 30, 1873.

C.—*Surveys and resurveys proposed to be made during the fiscal year ending June 30, 1875, in the State of Louisiana, at rates not to exceed \$12 for township boundaries, and \$10 for all other lines, per mile.*

Extension of township boundaries, the meandering of streams and bodies of water, and the subdivision of such tracts of land as may be adapted for cultivation in the marshy region lying between the line where public surveys were suspended and the Gulf coast. Estimate cost..... \$7,000 00

Continuation of the system of corrective surveys and resurveys in the four districts other than the Greensburgh district, in progress until the close of this office in 1861. In the southwest district said corrections were completed from the basis meridian-line, nearly to its eastern boundary and partly through two ranges of townships west of the basis meridian. It is necessary that the remaining part of the district to the line between ranges 6 and 7 west be resurveyed, as the surveys of 1807 and 1808, originally very defective, and in many instances erroneous, have since become obliterated, and as the surveys west of said range 6, made from 1831 to 1842, without connections with said old surveys, confusions by local surveys necessarily occur. In the southeastern and other districts said connections and surveys were completed with the exception of some townships and detached jobs.

Estimated cost, including the salary and expenses of a deputy-surveyor, to locate private land-claims and to examine and report upon said defective surveys..... 15,000 00

OFFICE OF SURVEYOR-GENERAL DISTRICT OF LOUISIANA,

*New Orleans, La., August 30, 1873.*

E. W. FOSTER,  
*Surveyor-General Louisiana.*

D.—*Estimate of funds to be appropriated for the fiscal year ending June 30, 1875, for surveying in Louisiana, for compensation of the surveyor-general and his clerks, and for contingent expenses in his office.*

Proposed surveys and resurveys :

For new surveys at a rate not exceeding \$12 for township boundaries, and \$10 for all other lines, per mile..... \$7,000 00

For resurveys in the four districts other than the Greensburgh district, including the salary and expenses of surveyor to locate private land-claims, and to examine and correct old, erroneous, defective, detached, and unfinished surveys..... 15,000 00

22,000 00

Salaries :

Surveyor-general..... 2,000 00

Clerks in his office..... 2,500 00

Extra clerks to prepare separate plats for the patenting of private land-claims, to transcribe field-notes for the General Land-Office, to complete an " exhibit of the private land-claims," and bring forward other arrearage of work detailed in previous annual reports..... 10,000 00

14,500 00

Contingent expenses :

For stationery, binding, postage, porter, messenger-hire, and other incidental expenses..... 1,800 00

Total estimate of appropriation required..... 38,300 00

E. W. FOSTER,  
*Surveyor General Louisiana.*

SURVEYOR-GENERAL'S OFFICE,  
*New Orleans, La., August 30, 1873.*

E.—Account of appropriation for the salary of surveyor-general of Louisiana, and for clerks in his office, for fiscal year ending June 30, 1873.

1872.		1873.	
Sept. 30	Dec. 31	July 1	Aug. 14
To account of surveyor-general for one quarter's salary.....	\$500 00		
To accounts of clerks and draughtsmen for one quarter's salaries.....	1,300 00		
To account of surveyor-general for one quarter's salary.....	500 00		
To accounts of clerks and draughtsmen for one quarter's salaries.....	1,300 00		
Total.....	6,200 00		
<p>By appropriation, (act of Congress of May 8, 1872:)                      For salary of surveyor-general..... \$2,000 00                      For compensation of clerks in his office..... 2,500 00                      By appropriation, (act of Congress of June 10, 1872)..... 1,700 00</p>			
Total.....			

E. W. FOSTER,  
Surveyor-General Louisiana.

SURVEYOR GENERAL'S OFFICE,  
New Orleans, La., August 30, 1873.

F.—Account of appropriation for incidental expenses of the office of surveyor-general of Louisiana for the fiscal year ending June 30, 1873.

1872.		1873.	
Sept. 30	Dec. 31	July 1	Aug. 14
To amounts paid during quarter ending this date, (7 vouchers,) account rendered.....	\$773 50		
To amounts paid during quarter ending this date, (6 vouchers,) account rendered.....	428 00		
Total.....	2,500 00		
<p>By appropriation, (act of June 10, 1872)..... \$2,500 00</p>			
Total.....			

E. W. FOSTER,  
Surveyor-General Louisiana.

SURVEYOR-GENERAL'S OFFICE,  
New Orleans, La., August 30, 1873.

G.—Tabular statement of all the reports made by the officers appointed by Congress for the final adjustment of private land-claims in the State of Louisiana.

District.	Act under which the report was made.	Designation of the report and names of the reporters.	Date of the report.	Confirmatory act.	Number of claims reported on.	Where to be found in the State Papers.					
Eastern district, including southeastern district.	Mar. 3, 1805	Old board of commissioners, Joshua Lewis, Thomas R. Robertson, and P. Grymes.	Nov. 20, 1836	May 11, 1830	444	Gales & Scaton, Volume 2, page 257.					
	Feb. 26, 1806						Register and receiver at New Orleans.	Feb. 28, 1833	362	Volume 3, page 507.	
	Mar. 3, 1807										Volume 6, page 665.
	July 4, 1832	Register and receiver at New Orleans.	Sept. 5, 1833	Mar. 3, 1835	362	Volume 3, page 507.					
	Mar. 3, 1835	do	Canonge & Cannon.	Dec. 1, 1836	July 4, 1836	32	Volume 8, page 702.				
	Feb. 6, 1835	do	Canonge & Carter.	Dec. 14, 1836	July 6, 1842	17	Volume 8, page 919.				
	Feb. 6, 1835	do	do	Nov. 2, 1837	July 6, 1842	45	Ser. Doc. 197, 25th Congress, page 6.				
	Western district, including northwestern districts and district north of Red River.	Feb. 27, 1813	Old board of commissioners, Wm. Garrard, Levin Wallis, and Gideon Fitz.	F'm Jan. 1, '11, to May 9, '14.	Certificates of confirmat'n.	2, 278	Volume 2, page 804.				
		Mar. 3, 1823						Register and receiver at Opelousas.	April 29, 1816	940	Volume 2, page 746.
		May 26, 1824									
Mar. 3, 1807		Reg'ter and receiver at Rio Hondo	Dec. 14, 1812	April 29, 1816	184	Volume 2, page 775.					
Feb. 27, 1813		Register and receiver at Opelousas.	County of Rapides.	May 9, 1813	April 29, 1816	79	Volume 3, page 78.				
Mar. 3, 1823		Reg'ter and receiver at Opelousas.	County of Natchitoches.	May 14, 1815	April 29, 1816	132	Volume 3, page 91.				
May 11, 1820		Register dist. north of Red River.	County of Opelousas.	April 6, 1815	April 29, 1816	142	Volume 3, page 119.				
Feb. 6, 1835		Register and receiver at Opelousas.	County of Attakapas.	May 1, 1815	April 29, 1816	51	Volume 3, page 152.				
		Mar. 3, 1823	Register and receiver at Opelousas.	May 11, 1815	Mar. 31, 1826	1, 252	Volume 3, page 177.				
		May 26, 1824	Reg'ter and receiver at Rio Hondo	Dec. 30, 1815	Feb. 5, 1825	31	Volume 3, page 243.				
	May 11, 1820	Register dist. north of Red River.	Dec. 30, 1815	Feb. 5, 1825	280	Volume 4, page 89.					
	Feb. 6, 1835	Register and receiver at Opelousas.	Nov. 1, 1824	May 24, 1828	96	Volume 4, page 488.					
		King & Codd.	Oct. 1, 1825	May 16, 1836	114	Volume 3, page 589.					
		Valentine King	Jan. 1, 1821	Feb. 8, 1823	55	Ser. Doc. 196, 25th Congress, page 24.					
		D. J. Sutton	July 24, 1837	July 6, 1842	170	H. R. Doc. 33, 27th Congress, p. 20.					
		Hamlin & Eastin.	July 24, 1837	July 6, 1842							
		R. N. Kelly.	May 30, 1840	July 6, 1842							
		Register and receiver at Opelousas.	June 6, 1840	July 6, 1842							

G.—Tabular statement of all the reports made by the officers appointed by Congress for the final adjustment of private land-claims, &c.—Continued.

District.	Act under which the report was made.	Designation of the report and names of the reporters.	Date of the report.	Confirmatory act.	Number of claims reported on.	Where to be found in the State Papers.
Greensburgh or Saint Helena.	Apr. 26, 1812	J. O. Cosby	Register A	Mar. 3, 1819	432	Gales & Seaton, Volume 3, page 39.
			Register B			
			Register C			
			Register D			
			Anomalous.			
			List of actual settlers			
			Supplemental report			
			List of actual settlers			
			Register A, No. 2			
			Register B, No. 2			
			Register E, No. 1			
			Register A, No. 3			
			Register B, No. 3			
Register C, No. 2						
List of actual settlers						
do						
Register E, No. 2						
Register E, No. 3, renewed claims.						
Register A						
Register B, No. 2, 1st class						
Register B, No. 2, 2d class						
Register C and D						
Register E, settlement claims.						
Register B, supplemental.						
F. G. Davidson and A. G. Penn						
J. Killian and T. Childress						
J. H. Dinkgrave and H. O. McEnery						
North of Red River	Mar. 3, 1851	Register and receiver	July 30, 1852	June 29, 1854	58	Sen. Doc. 4, 38d Congress.
North of Red River	May 26, 1824	Sam'l J. Rannels and W. Kinchen	Jan. 19, 1825	May 4, 1826	11 & 196	Sen. Doc. 97, 25th Congress.
North of Red River	May 28, 1830	Register and receiver	Jan. 19, 1825	May 4, 1826	7	Sen. Doc. 97, 25th Congress.
North of Red River	Feb. 6, 1835	Register and receiver	Dec. 4, 1830	Mar. 22, 1832	3	Sen. Doc. 97, 25th Congress.
North of Red River	Mar. 3, 1851	Register and receiver at Monroe.	June 27, 1837	July 6, 1842	21	Sen. Doc. 97, 25th Congress.

E. W. FOSTER,  
Surveyor-General Louisiana.

SURVEYOR-GENERAL'S OFFICE,  
New Orleans, La., August 30, 1873.

H.—Statement showing the appropriations for salary, clerk-hire, incidental expenses, and for surveying public lands in Louisiana from 1844 to 1874.

Year ending June 30—	Appropriations.							Remarks.	
	For salary of surveyor-general.	For salary of deputy.	For clerk-hire.			For surveys.			
			Direct appropriation.	Appropriated from general fund.	Contingent expenses.	Ordinary.	Resurvey of Greensburg.		Resurveys of other districts.
1844..	\$2,000	.....	\$2,500	\$3,500	(*)	\$2,623	.....	.....	
1845..	2,000	.....	2,500	2,500	(*)	11,907	\$33,480	.....	See note.
1846..	2,000	\$1,000	2,500	2,200	(*)	280	11,650	\$20,000	See note.
1847..	2,000	1,000	2,500	4,000	\$1,032	24,704	20,400	.....	See note.
1848..	2,000	1,000	2,500	3,000	1,032	9,000	.....	.....	
1849..	2,000	.....	2,500	5,200	1,032	.....	.....	14,230	See note.
1850..	2,000	.....	2,500	5,200	3,000	.....	17,680	.....	See note.
1851..	2,000	.....	2,500	6,450	1,032	30,550	3,212	17,000	See note.
1852..	2,000	.....	2,500	7,500	1,032	20,000	.....	.....	
1853..	2,000	(†)	2,500	8,500	(*)	.....	35,686	.....	See note.
1854..	2,000	(†)	2,500	6,500	1,600	9,142	.....	.....	
1855..	2,000	(†)	2,500	8,700	1,600	21,068	.....	.....	
1856..	2,000	(†)	2,500	8,700	1,600	23,091	.....	.....	
1857..	1,962	3,000	2,500	4,000	1,800	5,056	.....	.....	
1858..	2,000	3,000	2,500	8,211	1,800	4,766	.....	.....	
1859..	2,000	3,000	2,500	8,700	1,800	3,000	.....	.....	
1860..	2,000	(†)	2,500	6,000	1,800	7,300	.....	.....	
1861..	2,000	3,000	2,500	6,000	1,800	.....	.....	.....	Office closed February 6, 1861. Re-opened June —, 1869.
1869..	72	.....	.....	.....	.....	.....	.....	.....	
1870..	2,000	.....	1,500	2,500	2,000	.....	.....	.....	
1871..	2,000	.....	4,000	.....	1,000	10,000	.....	.....	
1872..	2,000	.....	4,000	.....	2,500	12,240	.....	.....	
1873..	2,000	.....	4,200	.....	2,500	18,000	.....	.....	
1874..	2,000	.....	2,500	.....	2,500	18,000	.....	.....	

\* Incidental expenses to be paid from surveying appropriation.

† Allowed to employ a deputy to locate private claims, on a salary, to be charged and paid from surveying fund.

NOTE.—Appropriation for resurvey included all expenses for office-work connected with the townships resurveyed.

SURVEYOR-GENERAL'S OFFICE,  
New Orleans, La., August 30, 1873.

E. W. FOSTER, Surveyor-General.

B.—Report of the surveyor-general of Florida.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 26, 1873.

SIR: In compliance with instructions I have the honor to make the following report of surveying operations in this district for the fiscal year ending June 30, 1873, together with tabular statements of field and office work.

I took charge of this office, and of the surveying service in the district, on the 5th of May last, relieving my predecessor, Hon. M. L. Stearns, and receipting to him for the public property in his possession. A copy of the receipted invoice was forwarded to the Department on the same day. I retained in service the clerks appointed by my predecessor. The records I found in very good condition, excepting some natural wear and tear of the volumes of township plats, and some of the volumes of field-notes, by long use, necessitating repairs, which I have had and am having executed.

Three contracts for surveys of public lands were entered into by my predecessor during the past year, viz: No. 10, with deputy Charles F. Smith, dated November 20, 1872; No. 13, with deputy Samuel Hamblen, dated November 25, 1872; and No. 14, with deputy M. H. Clay, dated December 11, 1872.

Deputy Charles F. Smith contracted to survey the Florida Keys, from Key Largo to Key West, exclusive of both the unsurveyed remainder of the main-land south of the



everglades, and the islands at Charlotte Harbor. He took the field soon after making the contract, and during the winter completed the survey of the Keys, but did not go on to the mainland. He went directly to Charlotte Harbor, and, having fixed a starting point for his surveys there, returned home on account of the lateness of the season and the difficulty of getting assistance during the summer. He applied for an extension of time till January 1, 1874, which I granted him.

Deputy Samuel Hamblen's contract included the eastern part of the country south of the Caloosahatchee River, which was townshipped during the spring of 1872 by Deputy Apthorp. His work was returned in due time and forwarded on the 14th of July, and his contract closed.

Deputy M. H. Clay had the western part of the townshipping of Deputy Apthorp. He returned his work within the allotted time, and it is now nearly ready to be forwarded to the Department. The deputy's health, which was not strong before he started, broke down under the exposure he underwent, and a few weeks after his return he died of consumption; but not before his returns had been made, complete and in due form, to this office.

The two contracts which were remaining open at the date of last annual report, to wit, contract No. 10, with Deputy M. A. Williams, and contract No. 11, with Deputy J. A. Macdonald, were both reported and closed by my predecessor, the former on February 12, and the latter on April 5 of the current year.

Last spring letters were received by this office from the Commissioner, dated February 13 and 14, and March 10, calling for diagrams and report upon the Georgia and Florida boundary. A full report and diagrams of the townships along the whole line were forwarded on the 24th of May, with the suggestion that a careful survey was necessary to reconcile conflicting surveys, ascertain the true location of the line, and quiet land-titles; and stating that the duplicate diagrams would be withheld from the local land-office until the receipt of instructions from the Department as to whether they were satisfactory. Since forwarding the report no notice of its receipt, nor any instructions concerning the plats, have been received.

It is proposed during the coming winter to survey the remainder of the country south of township 46, and west of the everglades, as far as the appropriation will allow.

Accompanying this report are the following documents:

- A.—Diagram showing progress of surveys.
- B.—Tabular report of surveying operations.
- C.—Condition of contract not closed at date of last report.
- D.—List of plats furnished the local land-office.
- E.—Estimates for the surveying service for the fiscal year ending June 30, 1875.

Very respectfully, your obedient servant,

J. W. GILBERT,  
*Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office Washington, D. C.*

**THE GENERAL LAND OFFICE.**

B.—Report of surveying operations in the district of Florida during the year ending June 30, 1873, showing the present condition of contracts made since the date of last annual report.

Names of deputies.	No. of contracts.	Date of contract.	Kind of work.	Localities of work.		Time allowed.	When returned.	When forwarded.	Amount.		Remarks.
				Townships south.	Ranges east.				Miles.	Ch. L.	
Charles F. Smith.	12	Nov. 20, 1872	Survey of the keys.	67, 68 ..... 21, 22, 23, 24 66, 67, 68 ..... 25, 26 65, 66, 67 ..... 27, 28, 29, 30, 31 64, 65, 66 ..... 32, 33, 34 63, 64 ..... 35, 36 62, 63, 64 ..... 37 61, 62 ..... 38	All the main-land west of range 37, lying south of the everglades. Also all the islands at Charlotte Harbor fit for cultivation.	Aug. 1, 1873; extended to Jan. 1, 1874.					Deputy Smith after partially completing his survey left the field, and under date of July 19 asked extension of time till January 1, 1874, that he might finish his work after the heat of the summer had passed. The extension was allowed.
Samuel Hamblen.	13	Nov. 25, 1872	Subdivision.	43, 44, 45, 46 ..... 29 Fr' 1 43 and 44, 45, 46 ..... 30, 31 Fr' 1 43, 44, 45, 46 ..... 32, 33 Fr' 1 45, 46 ..... 34		July 1, 1873	June 2, 1873	July 14, 1873	880	14 90	Work and account forwarded, and contract closed.
Myron H. Clay...	14	Dec. 11, 1872	Subdivision & meanders	Fr' 1 44, 45, 46 ..... 23, 24 Fr' 1 43 and 44, 45, 46 ..... 25, 26, 27, 28 46 ..... 29		July 15, 1873	July 10, 1873				Work will be forwarded as soon as office work is completed, which will be within a few days.

Respectfully submitted.

J. W. GILBERT.  
*Surveyor-General.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Florida, September 26, 1873.

## C.—Statement showing the present condition of contracts not closed at date of last annual report.

Names of deputies.	No. of contracts.	Date of contract.	Kind of work.	Localities.		Time allowed.	Amount surveyed.		Remarks.	
				Township south.	Range east.		M.	L.		
M. A. Williams.....	10	Jan. 2, 1872	Keys in.....	57 to 68 .....	38 to 42 .....	July 1, 1872	331	19	07	Work and account forwarded February 12, 1873, and contract closed.
J. A. Macdonald.....	11	May 24, 1872	Subdivision, (special).	Section 15, township 17 south; sections 16 and 17, township 19 south.	Range 29 east, & range 31 east.	Sept. 1, 1872	1	10	83	Work and account forwarded April 5, 1873, and contract closed.

Respectfully submitted.

J. W. GILBERT,  
Surveyor-General.UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 28, 1873.

D.—List of township plats furnished the local land-office during the year ending June 30, 1873.

Township south.	Range east.	When furnished.	Remarks.
41, 42, 43, 44, 45.....	22.....	Sept. 10, 1872	} Survey of Samuel Hamblen. Descriptive notes furnished September 13, 1872.
41, 42, 43, 44.....	23.....	Sept. 10, 1872	
34, 35, 41, 42, 43, 44.....	24.....	Sept. 10, 1872	
35, 41.....	25.....	Sept. 10, 1872	
41, 42.....	26.....	Sept. 10, 1872	
Fractional 45.....	23, 24.....	Sept. 10, 1872	} M. A. Williams's survey. Descriptive notes furnished November 23, 1872. On register's request.
43.....	26.....	Sept. 10, 1872	
45.....	41, 42, 43.....	Oct. 12, 1872	
46.....	41.....	Oct. 12, 1872	
39.....	23, 24.....	Jan. 29, 1873	
62.....	38.....	Mar. 1, 1873	} M. A. Williams's survey.
61, 62.....	39.....	Mar. 1, 1873	
59, 60, 61.....	40.....	Mar. 1, 1873	
57, 58, 59.....	41.....	Mar. 1, 1873	
56, 57.....	42.....	Mar. 1, 1873	

Respectfully submitted.

J. W. GILBERT,  
*Surveyor-General.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Tallahassee, Fla., September 26, 1873.*

E.—Estimate of appropriations required for the United States surveyor-general's office, district of Florida, and for continuing the public surveys within said district, for the fiscal year ending June 30, 1875.

For salary of surveyor-general.....	\$2, 000
For salary of chief clerk.....	1, 600
For salary of draughtsman.....	1, 400
For salary of clerk.....	1, 200
For contingent expenses.....	1, 500
<b>Total for office.....</b>	<b>7, 700</b>
For 500 miles township lines, at \$7.....	3, 500
For 1,500 miles subdivision and meander lines, at \$6.....	9, 000
<b>Total for surveys.....</b>	<b>12, 500</b>
<b>Aggregate.....</b>	<b>20, 200</b>

Respectfully submitted.

J. W. GILBERT,  
*Surveyor-General.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Tallahassee, Fla., September 26, 1873.*

C.—Report of the surveyor-general of Minnesota.

SURVEYOR-GENERAL'S OFFICE,  
*Saint Paul, Minn., August 28, 1873.*

SIR: In accordance with your instructions, I have the honor to submit the following annual report, in duplicate, showing the progress of the public surveys in this district, and a statement of the amount of office-work performed since the date of the last annual report, together with the usual tables relating thereto.

All the surveys uncompleted at the close of the last annual report have been executed, the notes returned to this office, examined and approved, the original plats constructed and copied, and, with transcripts of the field-notes, transmitted to the General and local land-offices.

The table herewith transmitted, marked A, will show the progress and present condition of all surveys embraced in contracts entered into since my last annual report.

The deputies already in the field, as far as heard from, are making good progress; a few, however, have delayed entering upon their work, as their surveys, being in timbered lands, can be prosecuted to better advantage later in the season; still it is believed that all will be completed within the time fixed in the contracts.

The accompanying tables will exhibit generally the condition of the field and office work to this date.

In addition thereto, the following summary of office-work performed since the last annual report is presented:

The original notes of seven thousand two hundred and ninety-nine miles fifty-two chains and forty-eight links, of subdivisional and meander lines have been examined, the meanders platted, the contents of fractional lots calculated and placed on the plats and copies.

One thousand one hundred and sixty-six miles forty-five chains and twenty-eight links of standard and township lines have been examined and placed on file, and transcripts made and transmitted.

Seventy-nine miles sixty-three chains and seventy-five links of Indian reservation boundaries have been examined and placed on file, and transcripts made and transmitted.

One hundred and seventeen township plats have been constructed from the original field-notes, duplicates made and transmitted to the General Land-Office, and one hundred and fifteen copies made and transmitted to the local land-offices—making an aggregate of three hundred and forty-nine plats sent out or filed in this office.

Twelve thousand five hundred and seventy-five pages of transcripts for the Department and for record in this office have been made, compared, and indexed, with full title-page to each township.

There have been made for the local land-offices one hundred and twelve townships of descriptive notes, and one hundred and thirty-seven townships for filing in this office, making a total of two hundred and forty-nine sheets.

Considerable time has been employed in making examinations of the original plats, and selecting therefrom land inuring to the State as swamp-land, making lists of same, and transmitting them to the local and General land-offices.

The miscellaneous business of the office, such as preparing contracts and bonds, diagrams for deputy surveyors, plats for timber-examiners, making out deputies' accounts, the general correspondence of the office, and recording the same, &c., involves much time and labor, of which no detailed statement can well be given. The several statements and estimates accompanying this report are as follows:

- A. Amount, character, locality, and present condition of the surveys in the field.
- B. Statement of original commissioners' and registers' plats made and copied, with date of transmission.
- C. Statement of townships surveyed from September 1, 1872, to August, 1873, showing area and number of miles surveyed in each, including meanders.
- D. Estimates of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1875.
- E. Abstract statement of the incidental expenses of the office for the fiscal year ending June 30, 1873.

C. T. BROWN,  
*Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office, Washington, D. C.*

A.—Statement showing the amount, character, locality, and present condition of the surveys in Minnesota undertaken since the close of the last annual report.

Name of deputies.	Date of contract.	Character of work.	Amount and locality.	Present condition.
Robert K. Whiteley....	Sept. 25, 1872	Township lines and subdivisions.	Range lines between ranges 2 and 3 west. Section lines and an additional north and south line through the center of each section and meanders of township 46 north, ranges 2 and 3 west, and the northwest fractional quarter of township 47 north, range 1 west, and retrace the range lines already run of the townships and fraction of a township above named, 4th principal meridian, Wisconsin.	Surveys completed, and with exception of township 46 north, ranges 2 and 3 west, have been approved, and notes and plats transmitted. Notes of these two townships not yet returned.
Nathan Butler.....	Nov. 16, 1872	.....do.....	The east, north and west exterior boundaries of township 57 north, range 23 west; the north boundary of township 57 north, range 34 west. Subdivisions and meanders of township 57 north, range 23 west, 4th principal meridian, Minnesota.	Surveys completed and approved; Commissioner's plat and notes transmitted.
Thomas G. Merrill....	Nov. 21, 1872	Indian reservation boundaries.	The southeastern and southwestern boundaries of the Red Lake Indian reservation.	Surveys completed and approved; notes and plats transmitted.
Luman G. Simons.....	Dec. 14, 1872	Meanders.....	Meanders of island in section 10, township 115 north, range 31 west, 5th principal meridian.	Do.
Adam Buck.....	Dec. 17, 1872	Subdivisions.....	Subdivisions of township 161 north, ranges 49 and 50 west, 5th principal meridian.	Do.
Eli W. Griffin.....	Jan. 3, 1873	Township lines and subdivisions.	Township lines between townships 57 and 58 north, range 98 west; between townships 58 and 59 north, ranges 25 and 36. Range lines between ranges 24 and 25 west of township 58 north; between ranges 36 and 37 east of townships 58 and 59 north. Subdivisions of township 58 north, range 25 west of township 57 and 58 north, range 98 west, 4th principal meridian.	Survey completed and approved; notes and Commissioner's plat transmitted.
Charles E. Meriam....	Feb. 26, 1873	Meanders.....	Meanders of island in section 36, township 117 north, range 24 west, 5th principal meridian.	Survey completed and approved; notes and Commissioner's plat transmitted.
George E. Stuntz.....	Apr. 12, 1873	Subdivisions.....	Subdivisions of those portions of townships 50 and 51 north, range 19 west falling within the Fond du Lac Indian reserve. Contain the lines of those portions of townships 48 and 49 north, range 19 west, within the reserve, with the reservation boundary.	Surveys completed and approved; notes and plats transmitted.
Walker, Allen & Putnam.	May 10, 1873	Township lines and subdivisions.	Township lines between townships 141 and 142, 142 and 143 north, ranges 32, 33, 34 and 35 west; between townships 143 and 144 north, ranges 32 and 33 west. Range lines between ranges 32 and 33, 33 and 34 west of townships 141, 142 and 143 north; between ranges 34 and 35, 35 and 36 west of townships 141 and 142 north. Subdivisions of townships 141, 142 and 143 north, of ranges 32 and 33 west; townships 141 and 142 north, of ranges 34 and 35 west, 5th principal meridian.	Deputies in the field.
Shaw & Taylor.....	May 10, 1873	.....do.....	All the township and range lines embraced by the White Earth Indian reservation not heretofore run. Subdivisions of townships 141 and 142 north, of ranges 37, 38, and 39 west; township 146 north, of ranges 37, 38, 39, and 40 west, 5th principal meridian.	A portion of the township-line notes returned and under process of construction; remainder of surveys uncompleted.

## A.—Statement showing the amount, character, locality, and present condition of the surveys, &amp;c.—Continued.

Name of deputies.	Date of contract.	Character of work.	Amount and locality.	Present condition.
L. W. Rima.....	May 13, 1873	Meanders.....	Meanders of Island in section 15, township 128 north, range 37 west, 5th principal meridian.	Survey completed and approved; notes and Commissioner's plat transmitted. No returns.
Jackson & Bruce.....	June 3, 1873	Standard and township lines and subdivisions.	Fifth guide meridian between the 12th and the 13th standard parallels; 13th standard parallel between the 5th and the 6th guide meridians. Township lines between townships 149 and 150, 150 and 151, 151 and 152, 153 and 154 north, of ranges 44 and 45 west. Range lines between ranges 43 and 44, 44 and 45 west, of townships 149, 150, 151, 152, and 153 north. Subdivisions of townships 149, 150, 151, 152, and 153 north, of ranges 44 and 45 west, 5th principal meridian.	
Patrick H. Conger.....	June 11, 1873	Indian reservation boundaries, township lines, and subdivisions.	Exterior boundaries of three tracts for Pillager and Lake Winbigoshish Indians; exterior boundaries and township lines of the reservation for the Chippewas in the Mississippi. Subdivisions of a portion of townships in the last-named reservation.	Notes of a portion of the township lines returned and under process of construction; remainder of surveys uncompleted. No returns.
Warren M. Adley.....	June 17, 1873	Indian reservation boundary.	The northwestern boundary line of the Red Lake and Pembina Chippewa Indian reservation.	Do.
Sannel E. Stebbins.....	June 19, 1873	Subdivisions.....	Subdivisions of townships 50, 51, 52, and 53 north, of range 23 west, 4th principal meridian.	Do.
Johnson & Miller.....	June 24, 1873	do	Subdivisions townships 51 and 52 north, ranges 19 and 20 west; township 51 north, of range 21 west, 4th principal meridian.	Do.
Lewis Harrington.....	June 26, 1873	do	Subdivisions townships 161 and 162 north, of ranges 46, 47, and 48 west; township 162 north, of ranges 49, 50, and 51 west, 5th principal meridian.	Do.
Josias R. King.....	July 1, 1873	do	Subdivisions townships 45 and 49 north, of ranges 21 and 22 west; township 49 north, of range 25 west, 4th principal meridian.	Do.
Samuel Fulton.....	July 3, 1873	Township lines and subdivisions.	The east and north exterior lines of township 57 north, range 22 west. Subdivision of township 57 north, range 22 west, 4th principal meridian.	Do.
A. & W. F. Ingerson.....	July 5, 1873	Subdivisions.....	Subdivisions townships 51, 52, and 53 north, of range 24 west; township 51 north, of range 25 west, 4th principal meridian.	Do.
Albert V. Balch.....	July 10, 1873	Meridian, standard, township, and subdivision lines.	The 4th principal meridian in townships 62, 63, and 64 north; the 10th correction line in ranges 1, 2, and 3 west. Township lines between townships 62 and 63, 63 and 64 north, of range 1 west. Range lines between ranges 1 and 2 west, of townships 62, 63, and 64 north. Subdivision of township 63 north, of range 1 west, 4th principal meridian.	Do.
Richard Cronk.....	July 22, 1873	Township lines and subdivisions.	Township lines between townships 58 and 59 north, ranges 23 and 24 west. Range lines between ranges 25 and 23, 23 and 24, of township 58 north. Subdivisions township 58 north, range 23 west; townships 57 and 58 north, of range 24 west, 4th principal meridian.	Do.

Do.

Township line between townships 58 and 59 north, of range 22 west; between townships 59 and 60 north, of ranges 22 and 23 west. Range lines between ranges 21 and 22 west, of townships 58 and 59 north; between ranges 22 and 23 west, 23 and 24 west, of township 59 north. Subdivisions townships 58 and 59 north, range 22 west; township 59 north, of range 23 west, 4th principal meridian.
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Adam Buok.....	.....do .....
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Aug. 4, 1873

C. T. BROWN, Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Saint Paul, Minn., August 28, 1873.



REPORT OF THE COMMISSIONER OF

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

Township.	Range.	Land-office.	Original.	Commissioner's.	Date of transmission.	Register's.	Date of transmission.	Total.
138	39	Oak Lake	1	1	Aug. 23, 1872	1	Nov. 22, 1872	3
143	25	Saint Cloud	1	1	Oct. 5, 1872	1	Dec. 12, 1872	3
143	26	do	1	1	Nov. 6, 1872	1	Dec. 31, 1872	3
142	26	do	1	1	Jan. 13, 1873	1	Feb. 14, 1873	3
150	46	Oak Lake	1	1	Jan. 3, 1873	1	Feb. 19, 1873	3
150	47	do	1	1	Jan. 3, 1873	1	Feb. 19, 1873	3
150	48	do	1	1	Jan. 3, 1873	1	Feb. 19, 1873	3
44	22	Taylor's Falls	1	1	Oct. 8, 1872	1	Feb. 20, 1873	3
41	23	do	1	1	Oct. 8, 1872	1	Feb. 20, 1873	3
45	22	do	1	1	Nov. 29, 1872	1	Feb. 20, 1873	3
45	23	do	1	1	Oct. 31, 1872	1	Feb. 20, 1873	3
57	25	Saint Cloud	1	1	Jan. 30, 1873	1	Mar. 10, 1873	3
60	12	Du Luth	1	1	Nov. 7, 1872	1	Dec. 27, 1872	3
60	13	do	1	1	Oct. 5, 1872	1	Dec. 27, 1872	3
54	22	do	1	1	Feb. 17, 1873	1	Mar. 15, 1873	3
54	23	do	1	1	Feb. 17, 1873	1	Mar. 15, 1873	3
55	22	do	1	1	Feb. 17, 1873	1	Mar. 15, 1873	3
55	23	do	1	1	Feb. 17, 1873	1	Mar. 15, 1873	3
161	49	Oak Lake	1	1	Mar. 7, 1873	1	Apr. 5, 1873	3
56	22	Du Luth	1	1	Mar. 7, 1873	1	May 13, 1873	3
56	23	do	1	1	Feb. 17, 1873	1	May 13, 1873	3
147	39	Oak Lake	1	1	Feb. 20, 1873	1	May 19, 1873	3
148	39	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
147	40	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
148	40	do	1	1	Jan. 3, 1873	1	May 19, 1873	3
147	41	do	1	1	Jan. 3, 1873	1	May 19, 1873	3
148	41	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
147	42	do	1	1	Jan. 3, 1873	1	May 19, 1873	3
145	43	do	1	1	Nov. 29, 1872	1	May 19, 1873	3
146	43	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
147	43	do	1	1	Feb. 20, 1873	1	May 19, 1873	3
148	43	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
145	44	do	1	1	Nov. 29, 1872	1	May 19, 1873	3
146	44	do	1	1	Nov. 29, 1872	1	May 19, 1873	3
147	44	do	1	1	Jan. 3, 1873	1	May 19, 1873	3
148	44	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
145	45	do	1	1	Nov. 29, 1872	1	May 19, 1873	3
146	45	do	1	1	Jan. 3, 1873	1	May 19, 1873	3
147	45	do	1	1	Feb. 20, 1873	1	May 19, 1873	3
148	45	do	1	1	Jan. 30, 1873	1	May 19, 1873	3
146	46	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
147	46	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
148	46	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
149	46	do	1	1	Oct. 28, 1873	1	May 19, 1873	3
151	46	do	1	1	Oct. 28, 1873	1	May 19, 1873	3
152	46	do	1	1	Oct. 28, 1873	1	May 19, 1873	3
153	46	do	1	1	Oct. 28, 1873	1	May 19, 1873	3
154	46	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
155	46	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
156	46	do	1	1	Feb. 11, 1873	1	May 19, 1873	3
157	46	do	1	1	Feb. 11, 1873	1	May 19, 1873	3
158	46	do	1	1	Feb. 11, 1873	1	May 19, 1873	3
159	46	do	1	1	Jan. 23, 1873	1	May 19, 1873	3
160	46	do	1	1	Jan. 23, 1873	1	May 19, 1873	3
146	47	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
147	47	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
148	47	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
149	47	do	1	1	Oct. 28, 1872	1	May 19, 1873	3
151	47	do	1	1	Oct. 28, 1872	1	May 19, 1873	3
152	47	do	1	1	Oct. 28, 1872	1	May 19, 1873	3
153	47	do	1	1	Oct. 28, 1872	1	May 19, 1873	3
154	47	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
155	47	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
156	47	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
157	47	do	1	1	Feb. 11, 1873	1	May 19, 1873	3
158	47	do	1	1	Nov. 13, 1872	1	May 19, 1873	3
159	47	do	1	1	Jan. 23, 1873	1	May 19, 1873	3
160	47	do	1	1	Jan. 23, 1873	1	May 19, 1873	3
146	48	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
147	48	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
148	48	do	1	1	Nov. 21, 1872	1	May 19, 1873	3
149	48	do	1	1	Oct. 28, 1872	1	May 19, 1873	3
151	48	do	1	1	Dec. 9, 1872	1	May 19, 1873	3
152	48	do	1	1	Dec. 9, 1872	1	May 19, 1873	3

B.—Statement of original Commissioner's and register's plats made, &c.—Continued.

Township.	Range.	Land-office.	Original.	Commissioner's	Date of transmission.	Register's.	Date of transmission.	Total.
153	48	Oak Lake .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
154	48	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
155	48	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
156	48	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
157	48	do .....	1	1	Nov. 13, 1872	1	May 19, 1873	3
158	48	do .....	1	1	Nov. 13, 1872	1	May 19, 1873	3
159	48	do .....	1	1	Jan. 23, 1873	1	May 19, 1873	3
160	48	do .....	1	1	Feb. 14, 1873	1	May 19, 1873	3
152	49	do .....	1	1	Dec. 9, 1872	1	May 19, 1873	3
153	49	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
154	49	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
155	49	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
156	49	do .....	1	1	Jan. 9, 1873	1	May 19, 1873	3
157	49	do .....	1	1	Oct. 5, 1873	1	May 19, 1873	3
158	49	do .....	1	1	Dec. 14, 1872	1	May 19, 1873	3
159	49	do .....	1	1	Feb. 28, 1873	1	May 19, 1873	3
160	49	do .....	1	1	Feb. 28, 1873	1	May 19, 1873	3
161	49	do .....	1	1	Mar. 7, 1873	1	May 19, 1873	3
159	50	do .....	1	1	Mar. 3, 1873	1	May 19, 1873	3
160	50	do .....	1	1	Mar. 3, 1873	1	May 19, 1873	3
161	50	do .....	1	1	Mar. 7, 1873	1	May 19, 1873	3
58	25	Saint Cloud .....	1	1	May 31, 1873	1	June 21, 1873	3
146	49	Oak Lake .....	1	1	May 28, 1873	1	June 24, 1873	3
147	49	do .....	1	1	May 28, 1873	1	June 24, 1873	3
148	49	do .....	1	1	May 28, 1873	1	June 24, 1873	3
149	49	do .....	1	1	May 28, 1873	1	June 24, 1873	3
150	49	do .....	1	1	May 28, 1873	1	June 24, 1873	3
151	49	do .....	1	1	May 28, 1873	1	June 24, 1873	3
151	50	do .....	1	1	May 28, 1873	1	June 24, 1873	3
152	50	do .....	1	1	May 28, 1873	1	June 24, 1873	3
153	50	do .....	1	1	Apr. 15, 1873	1	June 24, 1873	3
154	50	do .....	1	1	Apr. 15, 1873	1	June 24, 1873	3
155	50	do .....	1	1	Apr. 15, 1873	1	June 24, 1873	3
156	50	do .....	1	1	Apr. 15, 1873	1	June 24, 1873	3
157	50	do .....	1	1	Dec. 14, 1872	1	June 24, 1873	3
158	50	do .....	1	1	Feb. 11, 1873	1	June 24, 1873	3
156	51	do .....	1	1	May 28, 1873	1	June 24, 1873	3
57	26	Saint Cloud .....	1	1	June 21, 1873	1	Aug. 9, 1873	3
58	26	do .....	1	1	June 21, 1873	1	Aug. 9, 1873	3
56	22	Du Luth .....	1	1	Mar. 7, 1873	1	Aug. 19, 1873	3
56	23	do .....	1	1	Mar. 7, 1873	1	Aug. 19, 1873	3
148	42	Oak Lake .....	1	1	June 17, 1873	.....	.....	2
57	23	Du Luth .....	1	1	Aug. 5, 1873	.....	.....	2
								349

C. T. BROWN,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Saint Paul, Minn., August, 1873.

C.—Statement of townships surveyed from the 1st day of September, 1872, to date, showing area and number of miles surveyed, including meanders, in each.

Number.	Township.	Range.	Area in acres.	Miles.	Chains.	Links.
1	60	12	23, 158.67	60	5	52
2	60	13	23, 933.63	62	3	55
3	50	19	9, 542.88	24	38	13
4	51	19	2, 651.85	2	54	16
5	44	22	23, 003.29	59	75	83
6	45	22	22, 835.06	59	57	00
7	46	22	22, 751.49	59	43	7
8	54	22	23, 097.24	59	78	46
9	55	22	22, 613.18	65	23	25
10	56	22	21, 270.08	69	17	61
11	44	23	23, 514.49	60	56	11
12	45	23	23, 350.67	61	40	73
13	46	23	23, 389.48	60	33	32
14	54	23	22, 815.48	73	51	18
15	55	23	22, 582.83	69	12	48
16	56	23	21, 721.42	78	77	95
17	57	23	22, 109.30	75	39	89
18	57	25	18, 925.89	102	31	78
19	58	25	18, 860.40	113	26	98
20	57	26	16, 775.45	110	21	57
21	58	26	19, 999.90	106	59	42
22	143	25	21, 488.10	78	39	32
23	142	26	21, 220.32	82	45	10
24	143	26	21, 509.64	61	5	22
25	131	39	20, 717.02	95	56	58
26	138	39	23, 357.22	70	33	13
27	147	39	22, 380.15	61	32	58
28	148	39	21, 805.95	74	77	05
29	147	40	22, 335.25	64	79	61
30	148	40	22, 932.72	60	37	15
31	147	41	22, 975.35	59	72	35
32	148	41	22, 127.29	60	77	73
33	147	42	22, 757.50	64	28	23
34	148	42	21, 224.61	76	48	14
35	145	43	23, 022.74	59	77	84
36	146	43	23, 114.73	60	13	73
37	147	43	22, 686.07	65	48	97
38	148	43	21, 079.58	85	64	79
39	145	44	22, 958.76	59	71	8
40	146	44	22, 913.84	59	58	40
41	147	44	22, 833.51	62	37	57
42	148	44	22, 363.17	68	62	40
43	145	45	23, 302.43	60	25	65
44	146	45	23, 079.62	60	2	60
45	147	45	22, 992.10	60	0	51
46	148	45	22, 695.35	60	36	52
47	146	46	23, 103.61	60	6	23
48	147	46	22, 872.40	58	67	2
49	148	46	22, 941.72	59	78	75
50	149	46	22, 949.15	60	49	47
51	150	46	22, 577.68	76	15	39
52	151	46	23, 123.68	60	11	74
53	152	46	23, 141.27	61	2	68
54	153	46	23, 031.15	59	77	54
55	154	46	23, 018.21	59	77	31
56	155	46	23, 072.26	60	2	84
57	156	46	23, 120.11	60	67	22
58	157	46	23, 063.17	60	4	99
59	158	46	23, 055.50	60	5	19
60	159	46	23, 030.10	60	0	7
61	160	46	22, 955.80	60	50	2
62	146	47	22, 956.68	59	68	40
63	147	47	22, 949.28	57	70	9
64	148	47	23, 015.96	56	28	9
65	149	47	23, 002.61	59	74	95
66	150	47	22, 424.40	75	60	65
67	151	47	22, 916.12	59	08	11
68	152	47	22, 776.24	60	48	15
69	153	47	23, 053.67	60	1	43
70	154	47	22, 973.30	59	71	86
71	155	47	23, 008.09	59	76	64
72	156	47	23, 075.28	60	74	36
73	157	47	23, 029.58	60	1	70
74	158	47	23, 058.19	60	3	87
75	159	47	22, 977.53	59	73	23
76	160	47	22, 821.03	60	38	66
77	146	48	22, 853.04	59	60	29

C.—Statement of townships surveyed, &c.—Continued.

Nbr ber.	Township.	Range.	Area in acres.	Miles.	Chains.	Links.
78	147 48		22 850.36	59	60	31
79	148 48		22 953.81	60	6	58
80	149 48		23 050.12	60	3	5
81	150 48		22 580.98	76	58	29
82	151 48		22 885.32	59	58	35
83	152 48		22 697.34	59	77	7
84	153 48		23 045.65	59	77	4
85	154 48		24 024.19	59	75	99
86	155 48		22 943.56	59	68	24
87	156 48		23 138.30	60	72	66
88	157 48		23 081.15	60	6	54
89	158 48		23 087.83	60	6	57
90	159 48		23 037.54	59	79	91
91	160 48		22 970.72	60	43	44
92	146 49		3 943.83	90	34	72
93	147 49		3 481.80	91	71	39
94	148 49		6 756.75	95	79	48
95	149 49		8 995.92	33	20	59
96	150 49		18 032.60	63	27	72
97	151 49		22 758.84	75	6	77
98	152 49		22 522.90	60	3	82
99	153 49		23 026.07	96	77	69
100	154 49		23 018.49	59	73	28
101	155 49		23 008.63	59	77	58
102	156 49		23 182.61	60	63	74
103	157 49		23 053.37	60	3	87
104	158 49		23 019.10	59	79	41
105	159 49		22 293.73	59	63	20
106	160 49		22 672.72	59	71	40
107	161 49		22 886.54	59	62	62
108	151 50		3 250.40	17	35	48
109	152 50		4 412.38	24	4	71
110	153 50		12 273.00	40	13	24
111	154 50		20 172.40	64	19	65
112	155 50		19 584.35	69	17	37
113	156 50		19 882.04	66	1	12
114	157 50		16 945.37	60	6	69
115	158 50		17 870.20	61	61	32
116	159 50		18 277.79	64	8	27
117	160 50		11 385.36	39	49	9
118	161 50		14 742.12	50	48	7
119	156 51		42.30	51		75
120	*47 1		5,814.13	27	20	7
121	48 1		98.30			
Total				7,299	52	48
Standard and township lines				1,166	45	28
Indian reservation boundaries				79	63	75
Grand total			2,472,346.85	8,546	1	51

\* Being part of La Pointe Indian reservation, Wisconsin, surveyed under direction of surveyor-general of Minnesota.

Number of acres surveyed since date of last annual report..... 2,472,346.85  
 Number of acres previously reported..... 32,098,947.04

Total number of acres surveyed ..... 34,571,293.89

C. T. BROWN,  
 Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
 Saint Paul, Minn., August 28, 1873.

D.—*Estimates of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1875.*

FOR FIELD-WORK.

Standard and meridian lines, 500 miles, at \$16 per mile.....	\$8, 000
Township lines, 500 miles, at \$12 per mile .....	6, 000
Subdivisions, 35 townships, 2,600 miles, at \$10 per mile .....	26, 000
<b>Total .....</b>	<b>40, 000</b>

SALARIES.

For salary of surveyor-general .....	\$2, 000
For salary of chief clerk .....	1, 500
For salary of chief draughtsman.....	1, 300
For salary of two assistant draughtsmen, \$1,200 each.....	2, 400
For salary of three transcribing clerks, one at \$1,200, and two at \$1,100, each..	3, 400
<b>Total .....</b>	<b>10, 600</b>

INCIDENTAL EXPENSES.

For pay of messenger, office rent, stationery, fuel, &c.....	\$2, 200
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C. T. BROWN,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Saint Paul, Minn., August 28, 1873.*

E.—*Abstract statement of the incidental expenses of the office for the fiscal year ending June 30, 1873.*

For quarter ending September 30, 1872 .....	\$375 00
For quarter ending December 31, 1872.....	585 95
For quarter ending March 31, 1873 .....	438 70
For quarter ending June 30, 1873.....	646 90
<b>Total .....</b>	<b>2, 046 55</b>

C. T. BROWN,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Saint Paul, Minn., August 28, 1873.*

D.—*Report of the surveyor-general of Dakota Territory.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE  
FOR THE DISTRICT OF DAKOTA,  
*Yankton, October 5, 1873.*

SIR: I have the honor to submit the following report in duplicate of the field and office work performed in this surveying district since the date of the last annual report of this office, together with the usual statements relating thereto, and marked A, B, and C.

SURVEYS.

1st. The fourth standard parallel from the eighth guide-meridian to the western boundary of the State of Minnesota; the fifth standard parallel from the Sioux Indian reservation to the Sisseton and Wahpeton Indian reservation, also from the eighth guide-meridian to the west boundary of the Sisseton and Wahpeton Indian reservation; the sixth standard parallel from the eighth guide-meridian to the west boundary of the Fort Wadsworth military reservation; the seventh standard parallel from the west boundary of the Sisseton and Wahpeton Indian reservation to the eighth guide-meridian; the eighth standard parallel from the seventh to the ninth guide-meridian; the ninth and tenth standard parallels from the seventh guide-meridian to the Missouri River; the seventh guide-meridian from the third standard parallel to the southeast boundary of the Sisseton and Wahpeton Indian reservation; the eighth guide-meridian

from the third to the tenth standard parallel; the ninth guide-meridian from the eighth to the tenth standard parallel; the tenth and eleventh guide-meridians from the ninth to the tenth standard parallel, amounting to 882 miles 74 chains and 89 links.

2d. The township lines of townships 113 to 120 north, inclusive, of ranges 47 to 52 west, inclusive; townships 113 to 117 north, inclusive, of range 53 west; townships 113 to 116 north, inclusive, of range 54 west; townships 133 to 136 north, inclusive, of ranges 53 to 59 west, inclusive; townships 137 to 140 north, inclusive, of ranges 53 to 66 west, inclusive; and all the townships west of the tenth guide-meridian, between the ninth and the tenth standard parallels, to the Missouri River, amounting to 1,677 miles 72 chains and 95 links.

3d. The following-described townships and fractional townships west of the fifth principal meridian, have been subdivided into sections, viz: Townships Nos. 109, 110, 111, 112, 113, and 137 north, of range 47; townships 109, 110, 111, 112, 113, 114, 131, and 145 north, of range 48; townships Nos. 111, 112, 113, 114, 115, 116, 120, 131, 132, 133, 145, 146, and 148 north, of range 49; townships Nos. 113, 114, 115, 116, 120, 131, 132, 133, 134, 145, and 146 north, of range 50; townships Nos. 113, 114, 115, 116, 117, 118, 119, 120, 131, 132, 133, 134, 135, 142, 143, 144, and 145 north, of range 51; townships Nos. 113, 114, 115, 116, 117, 118, 119, 120, 131, 132, 133, 134, and 135 north, of range 52; townships 106, 107, 114, 115, 116, 117, 118, and 135, of range 53; townships Nos. 134 and 135 north, of range 54; townships 133 and 134 north, of range 55; townships Nos. 134 and 135 north, of range 56; townships 135 and 136 north, of range 57; townships Nos. 136, 137, 138, 139, and 140 north, of range 58; townships Nos. 137, 138, 139, and 140 north, of range 59; townships Nos. 105, 106, 107, and 108 north, of range 60; townships Nos. 106, 107, and 108 north, of range 61; township 139 north, of range 77; townships 138 and 139 north, of range 78; township 138 north, of range 79; townships 138 and 139 north, of range 80, and township 138 north, of range 81, amounting to 5,932 miles 75 chains and 77 links, the survey of 1,349 lots, containing 40 acres each, of the Yankton Sioux Indian reservation, amounting to 723 miles.

## OFFICE-WORK.

1st. The field-notes of all the above-described surveys have been carefully examined and approved.

2d. Diagrams have been made and the field-notes transcribed of the surveys of the above-described standard and township lines and transmitted to the General Land-Office.

3d. The field-notes of all the above-described townships of subdivisions have been protracted, triplicate maps of each one thereof constructed, and the maps filed and transmitted as required by law.

4th. Transcripts have been prepared and transmitted to the General Land-Office of the entire field-notes of the above-described townships subdivided, all of which have been carefully compared with the originals, and each one has been prefaced by an index diagram.

5th. Lists descriptive of the land and all the corners of the above-named subdivided townships have been made, carefully compared with the original field-notes, certified and transmitted to the proper local land-office.

The field-notes of the survey of the 1,349 lots of the Yankton Sioux Indian reservation, before mentioned, have been transcribed, duplicate maps thereof constructed, and the transcripts and maps transmitted to the General Land-Office.

The usual amount of miscellaneous business has been performed, such as preparing contracts and bonds (in quadruplicate) with instructions and diagrams of the exterior boundaries of their surveys for the use of deputies making out and recording their accounts and the accounts with the Government, the general correspondence of the office and recording the same, together with other work, all of which occupies a large amount of time, but of which no regular detailed statement can well be given.

## MISCELLANEOUS.

The undersigned came in charge of this office in the month of January last. At that time contracts had been entered into by my predecessor, covering the whole of the appropriation for surveys for the fiscal year ending on the 30th day of June, 1873. All such contracts have been executed and the work approved, with the exception of four, namely: No. 63, with Alexander Anderson; No. 68, with John P. Knight; No. 77, with William A. Olmstead, and No. 78, with William M. Vinson.

Those of Anderson, Knight, and Vinson, and the work executed thereunder, are now before this office for adjustment. That of William A. Olmstead has been canceled and the work relet to a competent and trusty deputy.

I desire, and have good reason to expect, that all this old work will be executed and adjusted in a very short time.

The appropriation for surveys for the fiscal year ending with the 30th day of June

1874, is the sum of \$80,000. In addition to this amount the sum of \$4,500 was specially ordered to be expended in surveying portions of the Yankton Sioux Indian reservation.

To provide for and pay a sufficient draughting and clerical force to perform the office-work necessarily attendant upon so much field-work, the sum of \$6,300 only was appropriated. This latter appropriation was obviously too small and disproportionate to the large amount of field-work thrown upon the internal labors of the office.

I am pleased to be able to state that all my subordinates express a willingness to overcome this embarrassment by overwork and a constant attention to their several duties, so that the regular office-work may not fall behind through the limited office-force rendered necessary by the inadequacy of the appropriation aforesaid for pay of clerks.

The whole sum appropriated for surveys for the fiscal year ending June 30, 1874, viz, eighty thousand dollars, (save a small balance, the exact amount of which I cannot now state,) has been placed under contract for the surveying and establishing of standard parallels and guide-meridians, township lines and subdivisional lines.

The work so contracted covers territory in Southern Dakota along the Big Sioux River, and extending in a westerly direction to the Dakota River, and thence farther west to the Missouri River.

In Northern Dakota such contracts cover sections of country along the Red River and within the limits of the Northern Pacific Railroad grant, with the extension of such standards and guides as were necessary, in order to continue the ensuing season the system of surveys already adopted. All contracts were given out early in the season and nearly all my deputies repaired to the field early in July, and a majority of them have already returned to this office satisfactory evidence of the execution of good work.

In view of the late instructions from your Department, and a careful selection of competent and trustworthy deputies, I have every reason to conclude that the standard of field-work has been largely improved this season, and that the many causes of complaint in the past of incompetent and imperfect work in the field will have no application to the surveys of this season.

No partition of the appropriation has been expended for surveys within that section of country situated between the Red River and the Dakota River, and known as the "Sisseton and Wahpeton bands of Sioux country," except the extension of standard parallels and guide-meridians therein. The embargo against surveys in that section was not removed by notice from the Department until all the field-work of this season had been placed under contract. This omission will necessarily have to be supplied next season, and will require the expenditure of a considerable sum for surveys in such district, which I am credibly informed has many settlers therein located already in advance of the extension of the public surveys.

The season has been most favorable for field-work, and I may say that all operations in the field have been eminently successful, save only some slight interruptions by parties from straggling and demoralized bands of Indians.

Early in the season Deputy Surveyor Woolley was attacked by a straggling band of Yanktonais Sioux, headed by Quilted Fawn. His party were destitute of arms, while the Indians were four to one of his men, and were well armed. Deputy Woolley concluded "prudence was the better part of valor," and retired from the field. Recently his work has been changed to a location more removed from the haunts of Quilted Fawn and his braves.

In this connection I beg leave to suggest, as a prudential measure, that fifty stand of arms be placed at the disposal of the surveyor-general of this district, to be used by such officer in arming those surveying parties that go to sections of the Territory the most exposed to incursions and depredations from straggling bands of Indians.

Offentimes a well-armed party would be perfectly secure against all interference from such Indians, while an unarmed party would be driven from the field with, perhaps, the loss of outfit entire. Here in the Territory sufficient arms cannot be had, and then, too, there are but few deputies who are able to incur the extra expense of an outfit of arms and ammunition. Should this suggestion meet approval and action on the part of the Government, I have every reason to believe, during the next season at least, there will be no occasion whatever for deputies applying for military escorts to protect them while conducting work in the field.

It is a fact, however improbable it may seem to one not perfectly familiar with the tide of emigration that has flowed into the Territory this season, that settlements at this time are in advance of the surveys in many directions. All along the valley of the Big Sioux and Dakota Rivers, and the tributary streams, emigrant following emigrant, and letter following letter, have found rich land and country for the exercise of pre-emption and homestead rights. The Red River Valley and the country along the Northern Pacific Railroad have each received their full share of emigration.

Go where you please in any part of the Territory lying east of the Missouri River, and the pioneers may be found, with family and home, preparing the way for the thousands of settlers who are sure to follow in a very short time.

Thus it is that "the star of empire takes its westward course, and the most important precursor for frontier settlements is the extension of the public-land surveys.

The deputy surveyor first collects and furnishes the public with reliable data and information respecting the character of the country, quality of the soil, and natural advantages generally.

Much valuable information has been gathered and furnished this office this season by deputies who have necessarily had to explore unsurveyed sections of the Territory, in traveling to and from their work in the field, and it is a fact worthy of note, that many sections of the Territory, heretofore regarded as valueless, and never to be settled and inhabited, are, upon actual inspection, found to be as fine lands for the purposes of agriculture as those hitherto regarded as the very best in all Dakota.

The problem as to the future of Dakota Territory is rapidly solving; the whole Territory is filled with resources and material wealth, awaiting only the onward march of settlement and improvement to secure development.

In conclusion, I desire to testify my appreciation of the meritorious and invaluable services of my efficient chief clerk, Col. Isaac N. Higbee, who for the past ten years has filled that position in this office. Most acceptably has Colonel Higbee devoted himself to this office and the public service. Although infirm in health by age and labor in the public service, still he is at all times found at his post of duty, putting forth every effort to secure correct lines and efficient work in this department; and particularly fortunate am I in securing the services of such an aid, for to him do I owe much for the pleasant and efficient manner in which I am credited with discharging my official duties. All of which is respectfully submitted.

Papers accompanying and forming a part of this report:

A.—Estimate for the surveying service in this district for the fiscal year ending June 30, 1875.

B. Abstract account of the incidental expenses of the surveyor-general's office for the fiscal year ending June 30, 1873.

C. Statement showing the number of townships surveyed in Dakota and area of land therein.

Very respectfully, your obedient servant,

WM. P. DEWEY,  
United States Surveyor-General.

Hon. WILLIS DRUMMOND,  
Commissioner General Land-Office, Washington, D. C.

A.—Estimate of appropriations required for continuing the public surveys in the Territory of Dakota, for salaries of surveyor-general and the clerks in his office, (as per act of Congress March 2, 1861,) and for the incidental expenses of the office, for the fiscal year ending June 30, 1875.

For surveying standard parallels and guide-meridians .....	\$10,000
For surveying township lines .....	15,000
For subdividing 200 townships .....	85,000
<b>Total for surveys .....</b>	<b>110,000</b>
For salary of surveyor-general .....	2,000
For compensation of the clerks in office of the surveyor-general .....	9,700
For rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses .....	2,400

WM. P. DEWEY,  
United States Surveyor-General

SURVEYOR-GENERAL'S OFFICE,  
Yankton, Dak., October 5, 1873.

B.—Abstract statement of the incidental expenses of the surveyor-general's office for the fiscal year ending June 30, 1873.

For the quarter ending September 30, 1872 .....	\$329 13
For the quarter ending December 31, 1872 .....	366 84
For the quarter ending March 31, 1873 .....	447 96
For the quarter ending June 30, 1873 .....	534 64
	1,678 57

WM. P. DEWEY,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Yankton, Dak., October 5, 1873.



C.—List of townships surveyed in the Territory of Dakota from July 1, 1872, to June 30, 1873.

Number.	Township.	Range.	Area.	Number.	Township.	Range.	Area.
1	109	47	13,958.89	60	145	51	23,012.55
2	110	47	14,162.43	61	113	52	14,565.39
3	111	47	14,060.16	62	114	52	22,783.45
4	112	47	13,773.01	63	115	52	22,286.35
5	113	47	12,329.42	64	116	52	22,516.68
6	131	47	10,925.27	65	117	52	22,997.63
7	109	48	22,937.40	66	118	52	22,671.68
8	110	48	22,642.96	67	119	52	17,584.66
9	111	48	22,934.06	68	120	52	9,864.64
10	112	48	22,948.71	69	131	52	22,871.17
11	113	48	22,989.56	70	132	52	22,804.66
12	114	48	22,781.45	71	133	52	22,992.56
13	131	48	22,983.20	72	134	52	22,904.00
14	141	48	17.00	73	135	52	22,837.35
15	145	48	85.90	74	106	53	21,570.64
16	111	49	22,983.56	75	107	53	22,827.09
17	112	49	22,135.45	76	114	53	21,156.19
18	113	49	23,007.19	77	115	53	21,184.76
19	114	49	22,936.30	78	116	53	19,846.39
20	115	49	22,251.17	79	117	53	17,110.65
21	116	49	21,610.72	80	118	53	2,648.18
22	120	49	23,517.73	81	135	53	23,033.07
23	131	49	22,859.28	82	134	54	23,026.99
24	132	49	22,645.37	83	135	54	22,974.68
25	133	49	23,126.56	84	133	55	13,054.01
26	141	49	21,243.38	85	134	55	23,065.66
27	142	49	21,275.96	86	134	56	22,939.58
28	143	49	19,651.55	87	135	56	22,932.24
29	144	49	17,209.90	88	135	57	9,593.74
30	145	49	17,952.54	89	136	57	22,231.39
31	146	49	18,598.86	90	136	58	21,734.80
32	448	49	15,804.24	91	137	58	23,033.16
33	113	50	23,011.92	92	138	58	22,998.09
34	114	50	22,958.38	93	139	58	22,909.94
35	115	50	22,854.00	94	140	58	23,152.61
36	116	50	22,442.15	95	137	59	22,932.46
37	120	50	23,609.41	96	138	59	22,912.65
38	131	50	22,967.48	97	139	59	22,754.24
39	132	50	22,718.62	98	140	59	21,725.08
40	133	50	23,055.83	99	105	60	23,059.94
41	134	50	22,982.10	100	106	60	22,990.61
42	145	50	22,944.12	101	107	60	22,920.32
43	146	50	23,066.68	102	108	60	22,068.98
44	113	51	22,874.04	103	106	61	22,961.26
45	114	51	22,910.78	104	107	61	22,833.80
46	115	51	23,011.75	105	108	61	22,035.76
47	116	51	22,355.41	106	139	77	22,953.99
48	117	51	22,952.96	107	138	78	23,045.21
49	118	51	22,746.35	108	139	78	22,999.73
50	119	51	22,083.74	109	138	79	23,044.77
51	120	51	23,623.20	110	138	80	18,448.76
52	131	51	22,851.53	111	139	80	22,202.30
53	132	51	22,679.33	112	138	81	172.00
54	143	51	23,013.75				
55	134	51	22,994.40	Total .....			2,325,476.12
56	135	51	22,986.88	337 townships previously reported.			6,429,540.21
57	142	51	23,039.03				
58	143	51	22,938.75	Total acres surveyed.....			8,755,016.33
59	144	51	22,484.86				

WM. P. DEWEY,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Yankton, Dak., October 5, 1873.

E.—Report of the surveyor-general of Nebraska.

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, August 25, 1873.

SIR: In compliance with the instructions of your letter E of March 11, 1873, I have the honor to submit herewith (in duplicate) my annual report of the surveying operations in this district for the fiscal year ending June 30, 1873.

## SURVEYS.

The surveys contracted for out of the appropriation of June 10, 1872, and special deposits made by the Burlington and Missouri River Railroad Company, in Nebraska, March 7, May 6, and May 22, 1872, have been completed; also contracts Nos. 68 and 69, of Messrs. A. V. & William A. Richards, for the survey of a portion of the Pawnee Indian reservation, and retracing the out-boundaries thereof.

Eight contracts have been entered into for the prosecution of the public surveys in this district, out of the appropriation for the surveying service in this district, for fiscal year 1874; also contract No. 73, of Messrs. White & Hull, for the survey of a portion of the Otoe and Missouri Indian reservation lying in the States of Nebraska and Kansas, of which a detailed statement is given in the table marked B.

## OFFICE-WORK.

The field-notes of 449 miles 12 chains and 32 links of standard lines have been examined, approved, and transcripts and diagrams thereof made in duplicate and transmitted to the Department.

The field-notes of 2,246 miles 9 chains and 2 links of exterior lines have been examined, approved, and transcripts and diagrams thereof made and transmitted to the Department.

The field-notes of 231 townships, of subdivision lines, have been examined, approved, and transcripts and transcript-plats thereof made in triplicate and transmitted to the Department and the proper local land-offices.

Descriptive lists of 231 townships have been made and transmitted to the proper local land-offices.

The field-notes of the subdivision into 40-acre tracts of 50,000 acres of the Pawnee Indian reservation have been examined, approved; transcripts in duplicate and transcript-plats in triplicate thereof made and transmitted to the General-Land Office and to the Commissioner of Indian Affairs at Washington.

The miscellaneous work of the past year has been large, embracing the usual range of subjects.

## PROPOSED SURVEYS.

The usual estimates for the surveying service in this district for the fiscal year ending June 30, 1875, were prepared and transmitted July 12, 1873, in compliance with your instructions of March 11, 1873.

The proposed surveys embrace the valleys of the Loup, Niobrara, and Kaha Paha Rivers.

The lands along these streams are valuable, and rendered especially desirable for settlement by the discovery of pine, cedar, and oak timber of good quality, and in tracts of several thousand acres on the Niobrara and its tributaries. The total area of timber lands reported the last season by deputy surveyors on the Niobrara River is about 50,000 acres.

A portion of the standard lines embraced in the estimates of proposed surveys are within the unceded Indian territory occupying the northwestern portion of this State. The extension of these standard lines is necessary to the survey and subdivision of the lands adjoining said unceded Indian territory, now in demand for settlement and embracing about all the unsurveyed land outside said unceded Indian territory.

It is estimated that the increase of population by immigration has been greater this year than last, when it reached 75,000. In conclusion I have the honor to call your attention to the following statements, estimates, &c., accompanying this report:

A, No. 1.—Schedule showing condition of public surveys under appropriation for fiscal year 1873.

A, No. 2.—Schedule showing condition of public surveys under special deposit for field-work made by the Burlington and Missouri River Railroad Company during fiscal year 1873.

B.—Schedule showing the contracts entered into and condition of public surveys under appropriation for fiscal year ending June 30, 1874.

C, No. 1.—Statement showing the amount expended for salaries of surveyor-general and clerks during fiscal year ending June 30, 1873.

C, No. 2.—Statement showing the amount expended out of special deposit for office work made by the Burlington and Missouri River Railroad Company, fiscal year ending June 30, 1873.

D.—Statement showing the amount expended for rent of office and other incidental expenses during fiscal year ending June 30, 1873.

E.—Statement showing the description of lands, area and number of miles, for which duplicate plats and transcripts of field-notes have been transmitted to the Department.

and triplicate plats and descriptive lists have been furnished to the land-offices during fiscal year ending June 30, 1873.

F.—Statement showing the description and number of township plats and descriptive lists furnished the different land-offices during fiscal year ending June 30, 1873.

G.—Estimate of sums required for the extension of public surveys in Nebraska for fiscal year ending June 30, 1875.

H.—Estimate of sums required for office expenses for fiscal year ending June 30, 1875.

I.—Statement showing the names, duties, nativity, whence appointed, term of service, and rate of compensation per annum of persons employed in the surveyor-general's office of Nebraska and Iowa during fiscal year ending June 30, 1873.

K.—Sectional diagram of Nebraska, exhibiting the progress and condition of the public surveys for fiscal year ending June 30, 1873.

All of which is respectfully submitted.

E. E. CUNNINGHAM,  
*Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner of the General Land-Office, Washington, D. C.*

A, No. 1.—Schedule showing the condition of public surveys under the appropriation for fiscal year ending June 30, 1873.

Names of contractors.	Number of contract.	Date of contract.	Amount and locality.	Character of work and number of miles.			Cost per mile.	Total cost.	Amount of appropriation.	Condition of work.
				Standard.	Township.	Section.				
Richards & Wilbur . . . . .	56	June 26, 1872	Townships 7 and 8, range 30; townships 5, 6, 7, and 8, ranges 31, 32, and 33; townships 6, 7, and 8, range 34. Second guide-meridian, townships 33 & 34, to State boundary.	M. ch. lk. 7 30 18	M. ch. lk. 313 44 20	M. ch. lk. 1, 028 30 34	\$6	\$6, 169 52	\$60, 000 00	Appropriation of June 10, 1872. Survey completed, approved, plats and transcripts transmitted.
Whitsee, Kendall & Court . . . . .	58	June 25, 1872	Townships 25 to 28, and 31 to 34, range 14; townships 25 to 34, ranges 15 and 16.				9	1, 921 98		Do.
John B. Crosby . . . . .	59	June 29, 1872	Townships 1, 2, 3, and 4, ranges 33 and 34.				6	11, 216 33		Do.
Shildon & Fairfield . . . . .	61	June 28, 1872	Townships 3 and 4, range 37; townships 1, 2, 3, and 4, ranges 38, 39, and 40; township 1, ranges 41 and 42.				6	2, 967 05		Do.
Patrick & Stout . . . . .	62	June 29, 1872	Townships 2, 3, 4, 5, 6, 7, 8, 9, and 10, range 43.				6	765 69		Do.
Slocum, Stephenson & Slocum.	63	June 29, 1872	Township 5, range 34; townships 5, 6, 7, and 8, ranges 35, 36, 37, 38, 39, and 40.				6	9, 016 75		Do.
Daugherty & Parmalee.	64	July 2, 1872	Townships 18, 19, and 20, range 17; townships 17, 18, 19, and 20, ranges 18, 19, and 20; township 17, range 21. Fifth standard parallel from fourth guide-meridian to west boundary of State.				6	5, 953 16		Do.
Gray & Hayes . . . . .	65	July 11, 1872	Fifth, sixth, and seventh guide-meridians from fourth to fifth standard parallel. Townships 17, 18, 19, and 20, ranges 41, 42, 43, 44, 45, 46, 47, and 48.	225 72 14	313 31 22		12	2, 710 82		Do.
							9	2, 810 39		

A, No. 1.—Schedule showing the condition of public surveys under the appropriation for fiscal year ending June 30, 1873—Continued.

Names of contractors.	Number of contracts.	Date of contract.	Amount and locality.	Character of work and number of miles.			Total cost.	Amount of appropriation.	Condition of work.
				Standard.	Township.	Section.			
Paul & Harvey .....	66	Aug. 16, 1872	Seventh and eighth standard parallel from second to third guide-meridian. Third guide-meridian from sixth to eighth standard parallel.	M. ch. tk.	M. ch. tk.	M. ch. tk.			Survey completed in the field, but not returned.
			Townships 21, 22, 23, and 24, ranges 17, 18, 19, 20, 21, 22, 23, and 24.				\$3,349 88		
La Munyon & Campbell.	67	Aug. 15, 1872	Townships 17, 18, 19, and 20, ranges 49, 50, 51, 52, 53, 54, 55, 56, 57, and 58.		372 16 73		\$9		Do.
			Township 17, ranges 49, 50, 51, 52, 53 and 54.			359 75 36	2,159 65		
William A. Richards...	69	Dec. 14, 1872	Resurvey and re-establish the out-boundaries of Pawnee Indian reservation.				6	569 25	Charged to balance of Indian appropriation of \$1,000, per act of June 12, 1858.
			Townships 16 and 17, between ranges 3 and 4 and 4 and 5, south of south boundary of Loup River.		20 18 74		6	182 11	
Richards & Richards...	68	Oct. 9, 1872	Townships 15 and 16, between ranges 5 and 6 and 6 and 7, south of south boundary of Loup River.					2,198 32	Charged to Indian appropriation of \$150,000, per act of May 29, 1872.
			Between townships 15 and 16, ranges 5 and 6, south of south boundary of Loup River.					366 30 96	
Dougherty & Parmalee.	42	May 20, 1871	Survey into 40-acre tracts, townships 16 and 17, ranges 3 and 4; townships 15, 16, and 17, range 5; townships 15 and 16, range 6.					130 09	Deficiency appropriation for year ending June 30, 1872.
								130 09	
Total .....				233 12 32	918 20 98	7, 711 31 70		58, 029 93	63, 079 77

E. E. CUNNINGHAM, Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Plattsmouth, August 25, 1873

A, No. 2.—Schedule showing the condition of public surveys under special deposit made by the Burlington and Missouri River Railroad Company for field-work during fiscal year 1873.

Names of contractors.	Number of contract.	Date of contract.	Amount, (all north of base-line and west of sixth principal meridian.)	Character of work and number of miles.			Rate.	Cost.	Amount of deposit.	Condition of work.
				Standard.	Township.	Section.				
Stephenson & Slocum	50	Apr. 5, 1872	Townships 5, 6, 7, and 8, ranges 25, 26, 27, 28, and 29.	Miles.	M. ch. 1/2.	M. ch. 1/2.	\$5	\$17,736 82	Special deposit, B. and M. R. Railroad, March 7, 1872.	
Wiltse, Kendall & Court	51	Apr. 22, 1872	Townships 21, 22, 23, and 24, ranges 11, 12, 13, 14, and 15.					23,469 51	Special deposit, B. and M. R. Railroad, May 6, 1872.	
Keyes & Jamison	52	May 4, 1872	Townships 1 to 4, range 30; townships 1 to 8, ranges 31 to 32, inclusive.					242 21	Special deposit, B. and M. R. Railroad, May 20, 1872.	
			Townships 5 and 6, range 30.						Do.	
			3d. Guide-meridian from 4th to 6th standard parallel, 4th to guide-meridian from 4th to 5th standard parallel, 2d. to 4th. Guide-meridian.						Do.	
Park & Campbell	53	May 10, 1872	standard parallel from 2d. to 6th standard parallel from 2d. to 3d. Guide-meridian, 31, 32, 33, 34.	216		119 78 11	5	599 88	Do.	
			Townships 14, 15, and 16, inclusive.				10	2,160 00	Do.	
Paul & Harvey	54	June 20, 1872	Townships 17 to 24, inclusive.			239 66 04	5	1,109 13	Do.	
North & Becker	55	June 22, 1872	Townships 14, 15, and 16, ranges 17, 18, 19, and 20, townships 15 and 16, range 21, 22, and 24.			444 72 66	6	2,669 45	Do.	
			Townships 1, 2, 3, and 4, ranges 35 and 36; townships 1 and 2, range 37.			60 78 00	5	304 03	Do.	
Milner & Reasoner	57	June 26, 1872	Townships 1, 2, 3, and 4, ranges 35 and 36; townships 1 and 2, range 37.			1,204 32 68	5	6,023 04	Do.	
Pollard & Wells	60	June 28, 1872	Townships 2, 3, 4, 5, 6, 7, 8, 9, and 10, range 41.			1,021 77 15	5	5,109 82	Do.	
Patrick & Stout	62	June 29, 1872	Townships 2, 3, 4, 5, 6, 7, 8, 9, and 10, range 41.			654 15 51	5	3,270 97	Do.	
			Total unexpended balance	216		538 49 98	5	2,693 12	Do.	
Total				216	1,327 68 04	6,328 24 65		41,438 54		

E. E. CUNNINGHAM, Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Plattsmouth, August 25, 1873.

B.—Schedule showing the contracts entered into, and condition of the public surveys, under appropriation for fiscal year ending June 30, 1874.

Name of contractor.	Percentage	Date.	Character of work.	Amount and locality.	Estimated cost.	Date and amount of appropriation.	Condition of work.
Park & Campbell	70	1873. April 11	Exterior Section..	Townships 17, 18, 19, and 20, ranges 25, 26, 27, 28, and 29; townships 17, ranges 25, 26, 27, 28, and 29.	\$4,290	By appropriation for surveying service in Nebraska..... \$60,000	Parties in the field.
Willse & Court	71	May 1	Exterior Section..	Townships 29, 30, 31, and 32, ranges 17, 18, 19, and 20.	9,200		Do.
Daugherty, Parmelee & Campbell.	72	May 10	Section..	Townships 21, 22, 23, and 24, ranges 17, 18, 19, and 20; townships 21 and 22, range 21.	8,850		Do.
Stephenson & Slocum	73	May 14	Section..	Townships 15, 16, and 20, range 21; townships 17, 18, 19, 20, and 21, range 22; townships 17, 18, 19, 20, 21, and 22, range 23; townships 19, 20, 21, and 22, range 24.	9,000		Do.
McElroy & Stephenson	74	May 20	Section..	Townships 17 and 18, range 24, townships 16, 18, and 20, ranges 25, 26, 27, and 28; townships 16 and 18, range 28.	7,680		Do.
Dorrington & Fairfield	75	May 21	Section..	Townships 17, 18, 19, and 20, ranges 35, 36, 37, and 38; ranges 27 and 28, ranges 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, and 38.	7,700		Do.
Barton & Kendall	76	May 10	Exterior Section..	Townships 27, 28, 29, and 30, ranges 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30; ranges 31 and 32, townships 27 and 28, range 31; townships 27 and 28, ranges 33 and 34.	7,500		Do.
Chapman & Sanger	77	June 2	Section..	Township 15, ranges 40 and 50; townships 18, 19, ranges 51, and 52; townships 17, 18, ranges 53, and 54. All north of base line and west of 6th principal meridian, Nebraska.	5,760		Do.
White & Hull	78	July 3	Exterior and sub-division	Township 1 south, ranges 4, 5, and 6, in Kansas, and townships 1 and 2 north, ranges 4 and 5; township 2 north, range 6, east of 6th principal meridian, Nebraska, and being the survey of 80,000 acres of Otoe and Missouri Indian lands.	3,000	By contingent fund of the Indian service, fiscal year 1874...	Do.
Total					62,980		

E. E. CUNNINGHAM,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Plattsmouth, August 25, 1873.

## C, No. 1.—Statement showing the amount expended for salaries of surveyor-general and clerks during fiscal year ending June 30, 1873.

1872.		
June 18.	By appropriation for compensation of surveyor-general for fiscal year 1873.....	\$2,000 00
June 18.	By appropriation for salary of clerks.....	12,600 00
Sept. 30.	To first quarter, ending September 30, 1872.....	\$2,981 25
Dec. 31.	To second quarter, ending December 31, 1872.....	3,500 00
1873.		
March 31.	To third quarter, ending March 31, 1873.....	3,516 38
June 30.	To fourth quarter, ending June 30, 1873.....	3,845 60
June 30.	To unexpended balance.....	756 77
		<hr/>
		14,600 00 14,600 00

E. E. CUNNINGHAM,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, Nebr., August 25, 1873.

## C, No. 2.—Statement showing amount expended out of special deposit for office-work, made by the Burlington and Missouri River Railroad Company, during fiscal year ending June 30, 1873.

1872.		
July 1.	By unexpended balance of Burlington and Missouri River Railroad special deposits for office-work.....	\$8,882 84
1873.		
March 31.	To incidental expenses, extra stationery, &c.....	\$142 10
June 30.	To salary of clerks, third quarter, ending March 31, 1873.....	317 78
June 30.	To incidental expenses, extra stationery, &c., fourth quarter, ending June 30, 1873.....	252 10
June 30.	To unexpended balance.....	8,170 86
		<hr/>
		8,882 84 8,882 84

E. E. CUNNINGHAM,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, Nebr., August 25, 1873.

## D.—Statement showing the amount expended for rent of office and other incidental expenses, and condition of account during fiscal year ending June 30, 1873.

1872.		
June 18.	By appropriation for rent of office and other incidental expenses, fiscal year 1873.....	\$2,000 00
Sept. 30.	To first quarter, ending September 30, 1872.....	\$834 58
Dec. 31.	To second quarter, ending December 31 1872.....	753 40
1873.		
March 31.	To third quarter ending March 31, 1873.....	152 00
June 30.	To fourth quarter ending June 30, 1873.....	260 02
		<hr/>
		2,000 00 2,000 00

E. E. CUNNINGHAM,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, Nebr., August 25, 1873.



E.—Statement showing the description of land, area, and number of miles, for which duplicate plats and transcripts of field-notes have been transmitted to the Department, and triplicate plats and descriptive lists have been furnished to the Land-Office, during the fiscal year ending June 30, 1873.

Number of township.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEYS.			Number of township.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEYS.		
	Township north.	Range west.		Miles.	Chains.	Links.		Township north.	Range west.		Miles.	Chains.	Links.
1	21	11	23 020.03	59	76	90	65	19	18	22 476.01	66	54	74
2	22	11	23 019.52	59	79	69	66	20	18	23 099.77	60	32	77
3	23	11	23 953.76	59	72	30	67	14	19	23 129.62	60	9	70
4	24	11	23 030.89	61	4	39	68	15	19	23 043.88	60	0	58
5	21	12	23 032.73	59	78	12	69	16	19	23 135.31	60	29	76
6	22	12	22 980.25	59	73	77	70	17	19	23 057.42	60	4	27
7	23	12	22 939.17	59	63	84	71	18	19	23 074.93	60	9	70
8	24	12	23 124.96	60	1	33	72	19	19	22 447.11	66	44	27
9	21	13	22 881.02	59	63	99	73	20	19	22 878.81	60	19	84
10	22	13	22 956.93	60	2	1	74	14	20	23 032.03	59	79	20
11	23	13	23 009.11	59	79	98	75	15	20	23 016.33	59	77	62
12	24	13	23 184.05	60	72	30	76	16	20	23 172.58	60	44	72
13	21	14	23 021.90	60	0	71	77	17	20	22 997.07	59	76	32
14	22	14	22 913.66	59	64	89	78	18	20	22 979.14	59	73	49
15	23	14	22 810.86	59	54	99	79	19	20	22 785.86	61	23	97
16	24	14	23 068.74	60	31	28	80	20	20	22 198.53	65	25	97
17	25	14	23 043.80	59	76	61	81	15	21	23 033.34	60	0	3
18	26	14	23 002.01	59	73	59	82	16	21	23 223.16	60	66	20
19	27	14	22 900.64	59	63	73	83	17	21	23 010.87	59	79	61
20	28	14	22 541.47	60	4	92	84	15	22	22 974.89	59	74	33
21	31	14	23 002.90	59	75	53	85	16	22	23 144.42	60	69	68
22	32	14	23 208.12	60	20	1	86	15	23	22 930.40	59	69	8
23	33	14	22 447.21	61	27	94	87	16	23	23 057.64	60	62	12
24	34	14	4 398.73	20	72	3	88	15	24	22 897.77	59	65	60
25	21	15	22 820.87	67	3	72	89	16	24	22 969.68	60	74	96
26	22	15	22 922.60	59	61	93	90	5	25	23 127.04	60	11	66
27	23	15	22 249.51	59	51	63	91	6	25	23 178.01	60	14	35
28	24	15	22 841.71	59	77	30	92	7	25	23 124.59	60	8	19
29	25	15	22 789.31	62	43	32	93	8	25	23 044.06	61	24	19
30	26	15	22 925.23	59	69	9	94	5	26	23 117.16	60	13	2
31	27	15	23 041.42	60	2	66	95	6	26	23 115.42	60	17	24
32	28	15	22 770.23	60	12	73	96	7	26	23 120.83	60	9	26
33	29	15	23 051.31	60	0	74	97	8	26	23 124.98	61	30	1
34	30	15	23 013.05	59	76	83	98	5	27	23 094.76	60	5	84
35	31	15	23 034.45	60	1	72	99	6	27	23 235.25	60	24	59
36	32	15	23 149.50	60	12	4	100	7	27	22 987.78	59	73	66
37	33	15	21 877.81	68	29	10	101	8	27	23 173.62	61	33	56
38	34	15	9 965.60	39	48	15	102	5	28	23 080.44	60	4	62
39	21	16	22 539.43	77	48	54	103	6	28	23 170.53	60	18	78
40	22	16	23 032.64	60	3	83	104	7	28	22 963.49	59	71	96
41	23	16	22 902.86	59	68	40	105	8	28	23 213.63	61	39	61
42	24	16	22 877.64	60	2	23	106	1	29	23 032.30	60	0	72
43	25	16	23 004.11	59	77	16	107	2	29	23 066.40	60	7	28
44	26	16	23 021.13	59	78	70	108	3	29	22 623.59	76	76	95
45	27	16	22 807.97	59	53	12	109	4	29	22 998.23	60	3	91
46	28	16	22 345.57	59	34	21	110	5	29	23 043.58	59	79	61
47	29	16	23 020.38	59	78	83	111	6	29	23 011.59	59	72	31
48	30	16	23 002.53	59	75	55	112	7	29	23 007.01	60	1	9
49	31	16	23 028.07	59	78	61	113	8	29	23 288.50	61	46	75
50	32	16	23 057.06	66	9	90	114	1	30	22 982.75	59	67	10
51	33	16	21 622.04	70	24	58	115	2	30	22 969.75	59	72	91
52	34	16	8 876.41	29	46	64	116	3	30	22 479.22	74	66	7
53	14	17	23 090.14	60	5	54	117	4	30	22 909.27	59	69	6
54	15	17	23 028.20	60	0	18	118	5	30	23 043.62	60	0	94
55	16	17	22 948.56	60	0	2	119	6	30	22 996.67	59	77	17
56	17	17	23 010.36	60	78	90	120	7	30	22 976.16	59	78	0
57	18	17	22 403.75	67	10	48	121	8	30	23 357.86	61	49	74
58	19	17	22 554.77	64	24	89	122	1	31	23 092.32	60	7	79
59	20	17	23 136.84	60	21	17	123	2	31	23 038.88	59	75	7
60	14	18	22 956.67	59	73	48	124	3	31	22 324.13	76	7	74
61	15	18	23 009.66	59	77	8	125	4	31	22 901.12	59	73	13
62	16	18	23 107.94	60	27	14	126	5	31	23 077.23	60	10	7
63	17	18	23 005.31	59	74	23	127	6	31	23 026.00	59	79	35
64	18	18	23 028.54	59	79	32	128	7	31	22 993.55	59	75	1

E.—Statement showing the description of land, area, and number of miles, &c.—Continued.

Number of township.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEYS.			Number of township.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEYS.		
	Township north.	Range west.		Miles.	Chains.	Links.		Township north.	Range west.		Miles.	Chains.	Links.
129	8	31	23,481.28	61	62	79	181	4	38	23,842.90	59	77	17
130	1	32	23,080.36	60	4	62	182	5	38	23,003.10	59	76	59
131	2	32	23,023.63	60	60	60	183	6	38	23,992.66	59	76	11
132	3	32	23,563.98	73	48	95	184	7	38	23,983.45	59	77	12
133	4	32	23,988.49	59	75	77	185	8	38	23,126.90	60	27	10
134	5	32	23,044.84	60	2	35	186	1	39	23,793.85	60	9	2
135	6	32	23,145.89	60	14	84	187	2	39	23,075.24	60	4	58
136	7	32	23,008.77	60	21	95	188	3	39	23,097.57	60	7	68
137	8	32	23,609.69	62	0	97	189	4	39	23,742.94	59	68	56
138	1	33	23,022.04	59	77	86	190	5	39	23,061.92	60	3	81
139	2	33	23,357.06	67	6	57	191	6	39	23,094.46	60	4	12
140	3	33	23,040.94	59	79	45	192	7	39	23,085.27	60	7	93
141	4	33	23,075.52	60	5	0	193	8	39	23,163.92	60	30	44
142	5	33	23,022.10	59	78	48	194	1	40	23,378.37	59	36	4
143	6	33	23,992.26	59	76	58	195	2	40	23,063.87	60	2	45
144	7	33	23,826.32	59	65	1	196	3	40	23,168.90	60	13	4
145	8	33	23,273.87	61	35	35	197	4	40	22,884.60	59	74	80
146	1	34	23,023.96	59	74	58	198	5	40	23,014.44	59	79	73
147	2	34	23,404.17	67	29	74	199	6	40	22,911.17	59	67	31
148	3	34	23,026.27	60	2	55	200	7	40	22,755.21	59	52	97
149	4	34	23,087.25	60	4	90	201	8	40	23,015.36	60	10	34
150	5	34	23,932.84	59	66	10	202	1	41	22,699.91	58	52	54
151	6	34	23,035.51	60	1	72	203	2	41	22,176.75	58	69	0
152	7	34	23,978.48	59	74	98	204	3	41	22,328.10	59	5	80
153	8	34	23,043.91	61	13	15	205	4	41	22,266.44	59	19	10
154	1	35	23,070.08	60	0	33	206	5	41	23,094.29	60	5	11
155	2	35	23,600.22	74	14	8	207	6	41	23,245.73	60	22	23
156	3	35	23,124.66	60	9	22	208	7	41	23,332.24	60	30	48
157	4	35	23,079.58	60	9	99	209	8	41	23,527.25	60	64	63
158	5	35	23,111.46	60	9	40	210	9	41	23,035.73	60	1	1
159	6	35	23,049.32	60	13	19	211	10	41	22,956.50	59	72	62
160	7	35	22,923.89	59	63	86	212	1	42	10,304.62	26	30	55
161	8	35	22,969.12	60	66	47	213	2	42	10,191.25	26	16	96
162	1	36	22,949.44	61	13	38	214	3	42	9,904.89	25	44	90
163	2	36	22,714.47	73	38	92	215	4	42	9,249.03	24	60	71
164	3	36	23,068.41	60	6	72	216	5	42	5,143.45	12	60	28
165	4	36	22,959.13	59	76	71	217	6	42	4,977.56	12	43	40
166	5	36	23,074.19	60	7	46	218	7	42	4,853.46	12	29	35
167	6	36	23,124.01	60	10	56	219	8	42	4,710.69	12	15	36
168	7	36	23,990.78	59	77	90	220	9	42	516.44	0	59	30
169	8	36	23,178.26	60	50	80	221	10	42	222.68	0	38	93
170	1	37	22,378.20	85	2	29	222	17	49	23,030.22	59	79	9
171	2	37	22,987.04	60	4	67	223	17	50	23,029.42	59	79	83
172	3	37	23,001.38	59	76	19	224	17	51	23,031.42	59	79	53
173	4	37	22,963.70	60	13	41	225	17	52	23,032.75	59	79	56
174	5	37	23,054.02	60	5	26	226	17	53	23,026.63	59	78	93
175	6	37	23,115.65	60	8	78	227	17	54	23,027.06	59	78	42
176	7	37	23,099.88	60	10	94	228	14	21	23,123.11	60	10	52
177	8	37	23,174.54	60	38	92	229	14	23	23,004.26	59	77	66
178	1	38	22,770.94	59	79	30	230	14	23	22,925.27	59	69	33
179	2	38	23,036.35	59	79	19	231	14	24	22,926.61	59	68	53
180	3	38	23,058.02	60	2	23							

E. E. CUNNINGHAM,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, August 25, 1873.

F.—Statement showing the description and number of township plats and descriptive lists furnished to the different land-offices during the fiscal year ending June 30, 1873.

Township and range.*	When transmitted.	No. of plats.	No. of descriptive lists.
TO REGISTER DAKOTA LAND-DISTRICT.			
Township 24, ranges 12 and 13; townships 24 to 28 and 31 to 34, range 14; townships 24 to 34, ranges 15 and 16.	June 30, 1873	33	66
TO REGISTER OMAHA LAND-DISTRICT.			
Townships 21 to 24, range 11.....	June 30, 1873	4	8
TO REGISTER GRAND ISLAND LAND-DISTRICT.			
Townships 21, 22, and 23, ranges 12 to 16, inclusive; townships 14 to 20, ranges 17 to 20, inclusive.	.....	43	86
TO REGISTER REPUBLICAN VALLEY LAND-DISTRICT.			
Townships 5, 6, 7, and 8, range 25.....	.....	4	8
TO REGISTER WESTERN LAND-DISTRICT.			
Townships 15, 16, and 17, range 21; townships 14, 15, and 16, ranges 22, 23, and 24; townships 5, 6, 7, and 8, ranges 25, 26, 27, and 28; townships 1 to 8, ranges 29 to 40, inclusive; townships 1 to 10, inclusive, ranges 41 and 42; and township 17, ranges 49 to 54, inclusive.	.....	147	294
RECAPITULATION.			
To Dakota land-district.....	.....	33	66
To Omaha land-district.....	.....	4	8
To Grand Island land-district.....	.....	43	86
To Republican Valley land-district.....	.....	4	8
To Western land-district.....	.....	147	294
Total.....	.....	231	462

\* North of base line and west of the sixth principal meridian.

E. E. CUNNINGHAM,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, Nebr., August 25, 1873.

G.—Estimate of sums required for the extension of public surveys in the State of Nebraska for the fiscal year ending June 30, 1875.

All north of base line and west of sixth principal meridian, Nebraska.	Miles.	Rate.	Amount.
STANDARD LINES.			
The third guide-meridian from the eighth standard parallel to the north boundary of the State; the fourth guide-meridian from the fifth standard parallel to north boundary of the State, and the sixth, seventh, and eighth standard parallels from the third to the fourth guide-meridian.	264	\$15	\$3,960
EXTERIOR LINES.			
Townships 33 and 34, range 17; townships 33, 34, and 35, range 18; townships 33 to 36, inclusive, ranges 19 and 20; townships 29 to 36, ranges 21 to 24, both inclusive, and townships 21 to 36, ranges 25 to 29, both inclusive.	1,254	12	15,048
SUBDIVISION LINES.			
Townships 25 to 28, ranges 17 to 20, both inclusive; townships 25 to 32, ranges 21 to 24, inclusive, and townships 21 to 32, ranges 25 to 29, both inclusive.	6,480	10	64,800
Total.....	7,998	.....	83,808

E. E. CUNNINGHAM,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
Plattsmouth, August 25, 1873.

H.—*Estimate of sums required for office expenses for fiscal year ending June 30, 1875.*

Salary of surveyor-general.....	\$3,000
Salary of chief clerk.....	1,600
Salary of principal draughtsman.....	1,300
Salary of two assistant draughtsmen, at \$1,200 each.....	2,400
Salary of accountant.....	1,200
Salary of three copyists, at \$1,100 each.....	3,300
Office rent, fuel, messenger, stationery, and binding.....	3,000
<b>Total.....</b>	<b>15,800</b>

E. E. CUNNINGHAM,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Plattsmouth, Nebr., August 25, 1873.*

I.—*Statement showing the names, duties, nativity, whence appointed, term of service, and rate of compensation per annum of persons employed in the surveyor-general's office of Nebraska and Iowa during the fiscal year ending June 30, 1873.*

Name.	Duty.	Nativity.	Whence appointed.
E. E. Cunningham.....	Surveyor-general.....	Missouri.....	Nebraska.
Alexander Schlegel.....	Chief clerk.....	Switzerland.....	Do.
Seth Skill.....	Principal draughtsman.....	England.....	Do.
Herman C. Smith.....	Assistant draughtsman.....	Germany.....	Do.
Charles Wimpf.....	do.....	do.....	Do.
Francis L. Hildebrand.....	do.....	do.....	Do.
Alonzo Cunningham.....	Assistant draughtsman and copyist.....	Iowa.....	Do.
Fred. M. Dorrington.....	Copyist.....	New York.....	Do.
Joseph M. Beardsley.....	do.....	do.....	Do.
William F. Bennett.....	do.....	Pennsylvania.....	Do.
Thomas Pollock.....	do.....	Ohio.....	Do.
James J. Willey.....	do.....	Virginia.....	Do.
Perry P. Gass.....	Copyist and messenger.....	Ohio.....	Do.
	<b>Term of service.</b>		<b>Salary per annum.</b>
E. E. Cunningham.....	Entire year.....		\$2,000
Alexander Schlegel.....	do.....		1,600
Seth Skill.....	do.....		1,300
Herman C. Smith.....	do.....		1,200
Charles Wimpf.....	From August 2, 1872, to May 29, 1873.....		1,200
Francis L. Hildebrand.....	From September 1, 1872, to June 30, 1873.....		1,200
Alonzo Cunningham.....	As assistant draughtsman from Feb. 1, 1873, to June 30, 1873.....		1,200
Alonzo Cunningham.....	As copyist from July 1 to January 31, 1873.....		1,100
Fred. M. Dorrington.....	From July 1, 1872, to May 20, 1873.....		1,100
Joseph M. Beardsley.....	Entire year.....		1,100
William F. Bennett.....	From July 22, 1872, to June 30, 1873.....		1,100
Thomas Pollock.....	From August 20, 1872, to June 30, 1873.....		1,100
James J. Willey.....	From February 15 to June 30, 1873.....		1,100
Perry P. Gass.....	As copyist from February 1 to June 30, 1873.....		1,100
Perry P. Gass.....	As messenger from July 1, 1872, to January 31, 1873.....		540

E. E. CUNNINGHAM,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Plattsmouth, Nebr., August 25, 1873.*

F.—*Report of surveyor-general of Kansas.*

SURVEYOR-GENERAL'S OFFICE,  
*Lawrence, Kans., August 20, 1873.*

SIR: In compliance with your instructions of March 11, 1873, I herewith submit (in duplicate) my annual report of surveying operations, together with a map showing the progress of the surveys in this district during the fiscal year ending June 30, 1873.

FIELD-WORK.

All surveys contracted for out of the appropriation of June 10, 1872, have been completed during the fiscal year.

The south and east boundaries of the Seneca Indian lands, in the Indian Territory, were resurveyed under my direction, in compliance with your instructions of July 31, 1872.

The Sac and Fox Indian reservation, a portion of which lies in Kansas and a portion in Nebraska, was surveyed as directed in your instructions of August 3, 1872.

Six joint contracts have been entered into out of the appropriation of March 3, 1873, for the extension of the lines of public surveys in the State of Kansas. In letting these contracts I have been guided by your special instructions dated March 20 and April 9, 1873, and existing laws and regulations governing the surveying service.

One contract has been entered into out of special deposits made by railroad companies, in compliance with an act approved July 2, 1864.

#### OFFICE-WORK.

During the fiscal year ending June 30, 1873, the field-notes of one hundred and eighty-two miles of standard, one thousand six hundred and twenty-four miles of exterior, and nine thousand four hundred and twenty-nine miles of subdivisional lines have been transcribed and transmitted to the Department.

Twenty diagrams, in duplicate, of standard and exterior lines, and plats, in triplicate, of one hundred and fifty-six townships, were prepared, and the required copies transmitted to the General Land-Office and the proper local land-offices.

One hundred and fifty-six descriptive lists of the surveys executed during the year ending June 30, 1873, have been prepared and forwarded to the respective local land-offices.

The plats and field-notes of the Sac and Fox Indian reserve in Kansas and Nebraska, as transmitted to this office by the deputy surveyor, have been examined and the areas recalculated, and two copies transmitted to the Department and one copy to the surveyor-general of Nebraska. The amount paid for the survey of this reserve was \$1,577.58, out of appropriation of \$150,000 per act of May 29, 1872.

The diagrams and field-notes, in duplicate, of the south and east boundaries of the Seneca Indian lands, Indian Territory, as transmitted to this office by the deputy surveyor, were examined and transmitted to the Department.

The cost of surveying these boundary-lines was \$768.52, out of the appropriation of \$150,000 per act of May 29, 1872.

In connection with the above, the usual amount of miscellaneous business has been attended to, of which no detailed statement can well be given.

#### EXTENSION OF PUBLIC SURVEYS.

The usual estimates for the surveying service in this district for the fiscal year ending June 30, 1875, have been prepared and transmitted to your Department as directed in your circular of March 11, 1873.

In my estimate I embrace the total unsurveyed public domain in the State of Kansas, and ask for an appropriation of \$90,000, which amount will be sufficient to complete the surveys in the district.

In conclusion, I respectfully invite your attention to the accompanying tabular statements, which form a part of this report:

A.—Names, duties, and salaries of persons employed in the surveyor-general's office during the year ending June 30, 1873.

B.—Sums expended for salaries of surveyor-general and clerks during the year ending June 30, 1873.

C.—Expenditures of the office during the fiscal year ending June 30, 1873.

D.—The extent and cost of public surveys executed during the year ending June 30, 1873.

E.—Amounts deposited by railroad companies in compliance with an act approved July 2, 1864, and the decision of the Secretary of the Interior of November 8, 1866.

F.—Numbers and areas of townships, plats and transcript of field-notes of which have been transmitted to the Department, and plats and descriptive lists furnished the local land-offices at Cawker City and Wichita during the fiscal year ending June 30, 1873.

G.—Estimated expense, number of miles, and character of work for which contracts have been entered into and chargeable to the appropriation of March 3, 1873.

H.—Estimate of sums required for the extension of surveys during the fiscal year ending June 30, 1875.

I.—Estimate of sums required for office expenses for the fiscal year ending June 30, 1875.

I am, very respectfully, your obedient servant,

C. W. BABCOCK,  
*Surveyor-General.*

HON. WILLIS DRUMMOND,  
*Commissioner of the General Land-Office, Washington, D. C.*

A.—Statement showing the names, duties, nativity, whence appointed, and the rate of compensation per annum, of persons employed in the surveyor-general's office of Kansas during the fiscal year ending June 30, 1873.

Name.	Duty.	Nativity.	Whence appointed.	Term of service.	Salary per annum.
C. W. Babcock	Surveyor-general	Vermont	Kansas	Entire year	\$2,000
H. C. F. Haekbusch	Chief clerk	Prussia	do	Jan. 1 to June 30, 1873	1,600
W. B. Covell	Principal draughtsman.	New York	do	July 1, 1872, to Mar. 31, 1873.	1,300
T. H. Morrison	Ass't draughtsman	Maine	do	Entire year	1,200
Austin R. Mills	Accountant	Mass	do	Jan. 1 to June 30, 1873	1,200
Henry B. Ray	Accountant and copyist.	Virginia	do	{ July 1 to Dec. 31, 1872 { Jan. 1 to June 30, 1873	1,200 1,100
S. A. Gillette	Copyist	Ohio	do	July 1, 1872, to Mar. 31, 1873	1,100
John Barber	do	do	do	Oct. 1, 1872, to June 30, 1873.	1,100
John T. Athey	do	Maryland	do	Oct. 1 to Dec. 31, 1872, and April 1 to June 30, 1873.	*1,100
R. C. Tasker	do	Mass	do	Oct. 1 to Dec. 31, 1872	1,100
John McCoach	do	Pa	do	Oct. 1 to Dec. 31, 1872	1,100
Robert Fisher	do	England	do	Oct. 1 to Dec. 31, 1872.	1,100
James Bicknell	Messenger	do	do	Entire year.	600

\* From April 1 to June 30, 1873, paid out of special deposits.

B.—Statement showing the amount expended for salary of surveyor-general and clerks during the fiscal year ending June 30, 1873.

	Regular service.	Out of special deposits.	Total.
Quarter ending September 30, 1872	\$1,700 00	.....	\$1,700 00
Quarter ending December 31, 1872	3,075 00	.....	3,075 00
Quarter ending March 31, 1873	2,650 00	.....	2,650 00
Quarter ending June 30, 1873	2,050 00	\$275 00	2,325 00
Total	9,475 00	275 00	9,750 00

C.—Statement showing the amount expended for rent of office and incidental expenses during the fiscal year ending June 30, 1873.

Quarter ending September 30, 1872	\$410 42
Quarter ending December 31, 1872	743 40
Quarter ending March 31, 1873	497 32
Quarter ending June 30, 1873	348 35
Total	1,999 49

RECAPITULATION.

Salaries of surveyor-general and clerks during the year	\$9,750 00
Rent of office and incidental expenses during the year	1,999 49
Total	11,749 49

D.—Statement showing the extent and cost of surveys executed in Kansas during the fiscal year ending June 30, 1873, payable out of appropriation for such surveys, approved June 10, 1872.

Name of deputy.	No. of con-tract.	Standard lines.	Township-lines.	Section-lines.	Date of contract.	Rate per mile.	Amount for mileage.	Total of contract.
Wilder & Diefendorf.....	362	<i>Ms. Ch. L.</i> 23 71 65	<i>Ms. Ch. L.</i>	<i>Ms. Ch. L.</i>	1872			
	362		223 69 19		June 28	\$10	\$238 95	
	362			149 43 62	June 28	7	1,567 05	
Armstrong, Burwell & Ur- ton.	363	79 06 64			July 1	10	790 83	
	363		401 28 49		July 1	7	2,809 49	
	363			2,418 31 23	July 1	6	14,510 34	\$8,703 27
Wilcox & Thomas.....	364		253 14 97		July 5	7	1,772 31	
	364			1,367 70 92	July 5	6	8,207 32	18,110 66
Sternbergh, Thompson & Mills.	365		342 44 45		July 9	7	2,397 88	
	365			2,041 27 88	July 9	6	12,248 09	9,979 63
Hackbusch, McClure & Cos- gray.	366	79 32 80			July 12	10	794 10	
	366		403 33 97		July 12	7	2,823 97	
	366			2,432 10 14	July 12	6	14,712 76	18,330 83
E. Diefendorf.....	(*)	(†)			Aug. 12 1873.			57 00
Robert Armstrong.....	(*)	(‡)			Jan. 27			74 70
Total.....		182 31 09	1,624 31 07	9,429 23 79			69,770 36	69,902 06

\* Special instructions. † Connecting lines of public surveys with Fort Dodge reserve.  
‡ Examining and re-establishing corner.

E.—Statement showing the amount deposited by railroad companies, in compliance with an act approved July 2, 1864, and the decision of the Secretary of the Interior of November 8, 1866.

Name of company.	Date of deposit.	For surveys.	For office-work.	Total amount deposited.
Kansas Pacific Railway.....	January 16, 1873	\$5,754 00	\$700 00	\$6,454 00

F.—Statement showing the description of lands and area of same for which duplicate plats and transcripts of field-notes have been transmitted to the Department, and triplicate plats and descriptive lists have been furnished the local land-offices at Cawker City and Wichita, Kans., during the fiscal year ending June 30, 1873.

AT CAWKER CITY.

Township south.	Range west.	Area.	Plats and field-notes, when transmitted.	Descriptive lists, when trans-mitted.	Township south.	Range west.	Area.	Plats and field-notes, when transmitted.	Descriptive lists, when trans-mitted.
1	25	20,992.88	Dec. 10, 1872	June 17, 1873	4	27	22,994.94	Dec. 10, 1872	June 17, 1873
2	25	20,990.94	Dec. 10, 1872	June 17, 1873	5	27	23,021.95	Dec. 10, 1872	June 17, 1873
3	25	21,008.72	Dec. 10, 1872	June 17, 1873	1	28	22,899.19	Dec. 10, 1872	June 17, 1873
4	25	21,035.00	Dec. 10, 1872	June 17, 1873	2	28	22,928.28	Dec. 10, 1872	June 17, 1873
5	25	21,079.63	Dec. 10, 1872	June 17, 1873	3	28	22,924.56	Dec. 10, 1872	June 17, 1873
1	26	22,891.86	Dec. 10, 1872	June 17, 1873	4	28	22,958.48	Dec. 10, 1872	June 17, 1873
2	26	22,852.70	Dec. 10, 1872	June 17, 1873	5	28	22,995.36	Dec. 10, 1872	June 17, 1873
3	26	22,914.43	Dec. 10, 1872	June 17, 1873	1	29	22,861.51	Nov. 20, 1872	June 17, 1873
4	26	22,973.96	Dec. 10, 1872	June 17, 1873	2	29	22,907.14	Nov. 20, 1872	June 17, 1873
5	26	23,020.75	Dec. 10, 1872	June 17, 1873	3	29	22,950.11	Dec. 10, 1872	June 17, 1873
1	27	22,892.19	Dec. 10, 1872	June 17, 1873	4	29	22,929.62	Dec. 10, 1872	June 17, 1873
2	27	22,932.69	Dec. 10, 1872	June 17, 1873	5	29	23,016.96	Dec. 10, 1872	June 17, 1873
3	27	22,955.70	Dec. 10, 1872	June 17, 1873	1	30	22,860.47	Nov. 20, 1872	June 17, 1873

F.—Statement showing the description of lands and area of same, &c.—Continued.

AT CAWKER CITY

Table with columns: Township south, Range west, a, Plats and field-notes, when transmitted, Descriptive lists, when transmitted, Township south, Range west, Area, Plats and field-notes, when transmitted, Descriptive lists, when transmitted.

AT WICHITA.

Table with columns: Township south, Range west, a, Plats and field-notes, when transmitted, Descriptive lists, when transmitted, Township south, Range west, Area, Plats and field-notes, when transmitted, Descriptive lists, when transmitted.



G.—Statement showing the estimated expense, number of miles, and character of work for which contracts have been entered into for surveying in Kansas, and chargeable to the appropriation for such surveys, approved March 3, 1873.

Number of contract.	Name of deputy.	Stand	Township-	Section-	Rate per mile.	Estimated cost.
		lines.	lines.	lines.		
370	Coael & Thompson.....	Miles.	Miles. 190	Miles.	\$9	\$1,710 00
370	do.....			1,025	8	8,200 00
371	Diefendorf & Moonlight.....		142		9	1,278 00
371	do.....			1,086	8	8,688 00
372	McClure & Gillette.....			1,181	8	9,448 00
373	Armstrong, Burwell & Armstrong.....	48			12	576 00
373	do.....		461		9	4,149 00
373	do.....			1,410	8	11,280 00
374	Steele & Thrasher.....	22			12	264 00
374	do.....		151		9	1,359 00
374	do.....			630	8	5,040 00
375	Harvey & Spaulding.....			930	8	7,440 00
	Total.....	70	944	6,262	.....	59,432 00

H.—Estimate of sums required for the extension of surveys in the State of Kansas for the fiscal year ending June 30, 1875.

Surveys estimated.	Miles.	Rate.	Cost.
The south boundary of Kansas, from the 100° to 102° of longitude west from Greenwich.....	111	\$12	\$1,332 00
The sixth standard parallel south, from the corner to township 30 south, ranges 30 and 31 west, to the west boundary of Kansas.....	77	12	924 00
The fourth and fifth guide-meridians west, from the fifth standard parallel south to the south boundary of Kansas.....	114	12	1,368 00
The exterior lines of fractional townships 31, 32, 33, 34, and 35 south, of range 26 west; townships 31, 32, 33, 34, and fractional township 35 south, of ranges 27, 28, and 29 west; townships 26, 27, 28, 31, 32, 33, 34, and fractional township 35 south, of range 30 west; also, the exterior lines of all townships and fractional townships between the fifth standard parallel south and the south boundary of Kansas, and the range-line between ranges 30 and 31 and the west boundary of Kansas.....	1,456	9	13,104 00
The subdivisional lines in all the aforesaid townships and fractional townships.....	9,120	8	72,960 00
Total.....	.....	.....	89,688 00

I.—Estimate of sums required for office expenses for the fiscal year ending June 30, 1875.

Salary of surveyor-general.....	\$2,000
Salary of chief clerk.....	1,600
Salary of principal draughtsman.....	1,300
Salary of assistant draughtsman.....	1,200
Salary of accountant.....	1,200
Salary of two copyists, at \$1,100 each.....	2,200
Messenger, rent, and other incidental expenses.....	2,000
Total.....	11,500

G.—Report of the surveyor-general of New Mexico.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1873.

SIR: In compliance with directions contained in your letter of March 11 last, I have the honor to submit in duplicate the annual report of the operations of this office for the fiscal year ending June 30, 1873.

PUBLIC SURVEY.

Contracts were entered into with deputies for public surveys involving an estimated expenditure of \$19,910, against the appropriation for the fiscal year of \$20,000 for that purpose. The work under these contracts was all executed and returned, and accounts adjusted, except the accounts for the last one returned, that of Deputy William White, which is in suspense and under explanation at your office. If the whole of Mr. White's claim is allowed, including the charge for meandering the Pecos River, which was not provided for in the contract, but which Mr. White considered necessary, the appropriation will be overdrawn by the sum of \$215.45, which will have to be provided for by appropriation for deficiency. If the meandering only is disallowed, an unexpended balance of the appropriation will remain of \$71.12. A tabular statement of the public survey account is submitted in detail, marked A. A tabular statement showing the number of acres in subdivided townships at the commencement of the fiscal year, the subdivisions made during the year, and the aggregate at its close, is also submitted, marked B. The subdivisions made during the year, including those made by Deputy White, amount to 441,011.20 acres. For number of miles of exterior township and standard lines surveyed, see statement A.

PRIVATE SURVEYS.

Two confirmed private land-claims, Nos. 33 and 34, in the name of Pedro Arrendariz, have been surveyed, the amount necessary to pay for the same having been deposited, according to law, by present owners. Forts Craig and McRae, together with the reservations, except a small portion of that of Fort Craig, are situated on these grants. The Silver City town-site was surveyed under contract with Deputy R. M. Kidder. The necessary funds to pay for this survey were deposited by the proper authorities according to law, January 12, 1872. Several surveys of mining and mill-site claims have been returned to this office, having been executed by regularly-appointed mineral deputy surveyors. A detailed statement of these surveys is submitted, marked C.

PUBLIC LANDS.

Since I entered upon the discharge of the duties of this office in September last, a great deal of inquiry has been made and much anxiety expressed by inhabitants and explorers to have the public surveys extended in nearly all parts of the Territory, so that in due time they might be enabled to secure title to the lands under the laws of Congress. Much of this feeling is produced by the increasing safety from the depredations of savage Indians, which seems now to be reduced to a minimum in this Territory at least. I am not aware of any serious trouble from Indians during the past year, and under the present able and humane policy there is no reason to expect any. That difficult problem may safely be considered worked out to a favorable result in this region. This Territory is also, in view of the expected early completion of several railroads into or through the Territory, attracting attention from the Eastern States and Europe, and this will increase as the means of access become more speedy and comfortable. In consequence also of various difficulties in relation to conveyance, title, and other matters, many private grants of Spanish or Mexican origin are not now, and will not be for many years, if ever, available for division and settlement. In addition to all this, it is becoming known that the country enjoys a magnificent climate, that all its valleys are well adapted to a vast variety of crops, and that its mesas or table-lands are the finest stock regions in the world. Stock feeds the year round upon the grama and other nutritious grasses, and the winters are so mild and equable and comparatively stormless that stock needs little or no care, except herding, to prevent straying or other loss.

In view of these and other considerations, there is a large and increasing call for public surveys, very many preferring to obtain their land direct from the Government, instead of attempting to purchase in small quantities from grant-owners. The impression that has prevailed in official circles at Washington that all or nearly all of the Territory that is of any value was claimed under or covered by private grants, is erroneous and without foundation in fact.

There are in this Territory 121,201 square miles, or more than three times the total area of the State of Ohio.

In acres there are .....	77, 563, 640. 00
Of this there has been surveyed :	
Confirmed private land-grants .....	4, 377, 751. 10
Townships subdivided .....	3, 689, 474. 29
Indian reservations .....	1, 302, 960. 00
Military reservations .....	163, 434. 44
Mining, mill, and town-site claims .....	693. 02
	<hr/>
	9, 534, 312. 85
Leaving acres unsurveyed .....	68, 034, 327. 15

Of this vast area the Spanish and Mexican grants which will be found to be valid it is confidently believed will not exceed, including those surveyed, an aggregate of more than 9,000,000 or 10,000,000 of acres, or, approximately, one-eighth of the total Territorial area. A very large portion of the unsurveyed and unclaimed public domain of the Territory is fine agricultural, grazing, and timber lands, all of which are increasing in value and desirability as the prospect of the railroad communication with the States becomes more certain of fulfillment in the near future. Two of the roads which it is hoped will soon reach the Territory, and one of which, the Texas Pacific, is being pushed with great vigor, have large land-grants in this land-district, and will expect, as will settlers, a survey of the lands along their lines.

Heretofore, and for various reasons, but principally because the Territory and its people have been persistently misrepresented and misunderstood, but small appropriations have been made for public surveys. A good deal of the ignorance in regard to this region has been propagated by interested parties, intentionally, and a good deal of it by those who were uninformed and did not seek to learn, and what has given the bad impression of the Territory a good deal of its weight is the fact that among the latter class were certain Government officials whose business it was to learn the truth and state facts.

During my residence in the Territory my travels have amounted to more than one thousand miles in different parts thereof. I have done this traveling mainly that I might learn by actual observation the nature and capabilities of the country and the characteristics of the people. I know that the Territory is well deserving of more liberal treatment than it has received from Congress, and that as a matter of business management purely the public surveys ought to be rapidly prosecuted hereafter. For many years past, other land districts with no better lands, with much worse climates, and incomparably inferior in agriculture, grazing, fruit-raising, and mining-interests, have received appropriations annually ranging from \$50,000 to \$100,000. During those same years this district received mere pittance of \$5,000 or \$10,000. Had a different policy prevailed heretofore, the importance of large appropriations now would not be so pressing. But little public surveying has been done, and less than 4,000,000 acres have been sectionized and prepared for sale, or less than one-sixteenth of the domain outside of the private grants. In regard to this matter I beg to refer to my letter of November 26, 1872, as expressing views generally which I have seen no reason to change.

In my letter of the 19th ultimo I submitted an estimate of \$125,900 for public surveys, \$14,000 for salaries, and \$3,000 for incidental expenses, and herewith transmit a copy, marked D. The necessity for increase in clerk-hire and incidental expenses is explained in the letter submitting the estimates. I hope these appropriations will be made, that the records of the office may be perfected as they ought to be, and that proper office furniture and appliances to prosecute properly and comfortably the office business may be procured.

#### MINING CLAIMS.

The following mining and mill-site claims were surveyed and returned to this office during the year, and the office-work completed according to law :

The Peabody mine, Chloride district.  
The Pope mill-site, Silver Flat district.  
The San Agustin mine, reduced.

In addition to the above, during the year, there have been surveyed and the notes returned under the mining statute of May 10, 1872, the following mining, placer, and mill-site claims :

The Sun placer claim, Ruby district.  
The Star placer claim, Ruby district.  
The Ruby placer claim, Ruby district.  
The Gem placer claim, Ruby district.  
The San Francisco placer claim, Ruby district.  
The Eagle placer claim, Ruby district.  
The Legal-Tender mining claim, Silver Flat district.  
The Santa Juliana mining claim, Spring Hill district.  
The Santa Juliana mining claim, first extension south, Spring Hill district.  
The L. B. Maxwell mining claim, Spring Hill district.  
The Chaves mining claim, Spring Hill district.  
The Grand Tower mining claim, Spring Hill district.  
The Legal-Tender mining claim, Spring Hill district.  
The Nickel mining claim, Spring Hill district.  
The Montezuma mining claim, Spring Hill district.  
The Great Eastern mining claim, Spring Hill district.  
The J. S. Hutchason mill-site, Spring Hill district.  
The Hays & Co. mill-site, Spring Hill district.

The Wisconsin Co. mill-site, Silver Flat district.

The Cibola Works Co. mill-site, Silver Flat district.

The Chicago Co. mill-site, Silver Flat district.

The California Co. mill-site, Silver Flat district.

These returns of surveys all lie unacted upon in this office, as no deposit of funds has been made, as provided by law, for the work necessary upon the claims in the surveyor-general's office before any further proceedings can legally be had in the cases toward the obtainment of title by the claimants.

Considerable activity has been manifested in mining matters, and a good deal of capital invested in mills, machinery, and mining operations generally, particularly in the vicinity of Silver City, which is an active, energetic, and rapidly-growing mining town in the southwestern part of the Territory. In all the mining districts work has been carried on with more or less vigor and profit. This interest, with the advent of railroads to render the transportation of machinery, material, and mineral, more expeditious and less expensive, will doubtless become one of great and leading importance in this Territory.

Immense deposits of gold, silver, copper, lead, iron, coal, and many other valuable minerals, are well known to exist in many parts of the Territory, needing but capital and means of rapid communication with the outside world to cause them to become the source of vast wealth and render the region as celebrated for mineral resources as any in the world.

#### PRIVATE LAND-CLAIMS.

Under the act of Congress of July 22, 1854, establishing this office, I have heard and transmitted through your Office to Congress for its approval or rejection, the following private land-claims, being for grants of lands claimed to have been made by Spain or Mexico, and coming within the provisions of the eighth article of the treaty of Guadalupe Hidalgo, of February 2, 1848, between the United States and Mexico:

- No. 62, town of Ciensguilla, transmitted November 26, 1872.
- No. 63, Caja del Rio, approved November 21, 1872.
- No. 64, Juana Lopez, approved November 29, 1872.
- No. 65, Juan Gabaldon, approved November 22, 1872.
- No. 66, San Juan del Haciasuto, approved November 30, 1872.
- No. 67, Ana de Sandoval, transmitted November 18, 1872.
- No. 68, Luis de Armenta, approved December 3, 1872.
- No. 69, Juan Salas *et al.*, approved December 18, 1872.
- No. 70, La Estancia, approved January 4, 1873.
- No. 71, Cañon de Chama, approved December 17, 1872.
- No. 72, Ojo del Apache, rejected December 19, 1872.
- No. 73, Pedro Martin, approved February 8, 1873.
- No. 74, B. Marquez and F. Padilla, approved February 19, 1873.
- S. pueblo of Laguna, approved November 22, 1872.

In cases of Nos. 62 and 67 I simply prepared transcripts and opinions of my predecessor, who had decided those cases before his death. The opinion in No. 66 had been also briefed by him, and was copied and adopted by me, as I saw no reason, on examining the papers, to arrive at a different opinion. I rejected No. 72, for reasons set forth in the papers transmitted.

The claim of the pueblo of Laguna is for outlying lands not positively confirmed by Congress, when the other lands of the pueblo were, as will be found explained in the papers. I have not been advised that action was taken upon any of these grants by Congress, nor upon those transmitted last year by my predecessor, nor in fact since March 3, 1869. It would be a great benefit to *bona-fide* claimants, and no injury that I can conceive of to the General Government, if Congress would act upon and confirm such of those grants as it may find to be legal or equitable. The people of the Territory think they have a right to ask this much, and it would be the part of wisdom and justice to grant it.

I have become convinced that a new law ought to be enacted by Congress in the matter of these grants from former governments. The act of July 22, 1854, under which they have so far been adjudicated, is very crude and defective. It provides that they shall be investigated by the surveyor-general, and that he shall transmit complete copies of the record through the General Land-Office, together with his opinion upon their validity, to Congress, for final confirmation or rejection; and it often occurs that, owing to the great pressure of other business upon the members of Congress, those reports lie in the hands of the Committee on Private Land-Claims, or elsewhere in the archives, for years before any action is taken. It is obvious, too, that Congress can probably obtain but little, if any, further information to guide its action than that which is presented in the record as forwarded from this office, and generally it

adopts the action here without material modification; and the duty of passing upon these claims is of such a *quasi* judicial nature that it does not seem to me to be especially adapted to be exercised by Congress in its legislative capacity, or by surveyors-general, who usually are not lawyers, or very familiar with legal proceedings in regard to titles to real estate, especially where the title is derived from former governments of the country, whose laws and records are in a foreign language, and whose land system, both as regards public domain and private estates, is so different from ours, not only in its general principles, but in all its details. Furthermore, the investigations of these grants in this office are necessarily *ex parte* under the law as it now stands. The Government is not represented by counsel, and unless some defect in the title is discovered by the surveyor-general upon the face of the record, he feels compelled to assume the title to be equitable, and so recommends its confirmation.

It is quite possible that some grants have thus been confirmed that would not have passed the scrutiny of a special commission of legal ability, provided with counsel for the Government, means to compel attendance of witnesses, and other facilities for preventing or disclosing fraud.

In my judgment Congress ought to provide either to have these claims investigated by a special commission with right of appeal to the courts of the United States, or else they ought to be investigated from the start in the courts to final and conclusive judgment. The latter plan would be the most economical, doubtless, but probably not so expeditious. A statute of limitations should also be enacted, compelling grant owners to bring them in to the proper tribunal within a reasonable length of time, say before July 4, 1876, for adjudication, and providing that after the time prescribed, their title be forever barred. Such a law would doubtless have the effect of bringing them in for registry and action by the proper authorities, and have a tendency to rapidly bring to a solution this most embarrassing question connected with the public domain, and one that is now causing more injury to the Territory and the General Government than any other to my knowledge.

Good faith to the people of the Mexican race who remained with us and became American citizens under the protection of the solemn provisions of the treaty of Guadalupe Hidalgo, and especially the eighth section thereof, requires a fair, impartial settlement of these claims, and it seems as if it had already been too long neglected.

In this connection, I wish also to say that far more than half of the labors and responsibilities of this office are caused by the investigations of these claims, the care of the archives, and other duties connected therewith; and as the salary is no greater than that of several surveyors-general who have no duties or responsibilities, except those arising from superintending the public surveys, therefore, if no change is made in the law in regard to these claims, I respectfully ask that the salary of this office be raised on account of these duties and cares to \$5,000 per annum.

I am of opinion that when any of these grants are finally confirmed, the exterior lines ought to be surveyed at the expense of the General Government. This was for many years the law and practice, but was changed by act of Congress approved May 30, 1862. The people owning these grants contend that it is contrary to the letter and spirit of the eighth article of the treaty of Guadalupe Hidalgo to charge them with this expense. The language is as follows:

"Mexicans now established in territories previously belonging to Mexico, and which remain for the future within the limits of the United States, as defined by the present treaty, shall be free to continue where they now reside, or to remove at any time to the Mexican Republic, retaining the property which they possess in the said territories, or disposing thereof and removing the proceeds wherever they please without their being subjected on this account to any contribution, tax, or charge whatever."

"In the said territories property of every kind now belonging to Mexicans not established there shall be inviolably respected. The present owners, the heirs of these and all Mexicans who may hereafter acquire said property by contract, shall enjoy with respect to it guarantees equally ample as if the same belonged to citizens of the United States."

The words "without their being subjected on this account to any contribution, tax, or charge whatever," would seem to bear this construction. It does not seem as if language could be made stronger. There may have been reasons which had some strength for making this enactment in 1862 which do not now exist. At that time a great civil war was raging that seriously threatened to dismember the nation, and it may have been thought that while it was uncertain whether the Government could retain this distant and comparatively isolated territory, largely inhabited as it was by people of foreign nativity and language, it would be folly to pay out the public money in segregating their lands from the public domain. And the general feeling that, during the continuance of such struggle, it was highly important to husband to the uttermost the national resources, may have had much to do with causing the passage of the law. Whatever the feeling may have been that led to its enactment, all is now changed. The Union was maintained intact, and it is entirely safe to say that the people of no

part of the country were more devoted and patriotic than the people of this Territory. It is true that the rebels invaded it, captured the capital, quartered their men in this and other government offices, and devastated the people's property; and it is equally true that the people here of Mexican race resisted them to the best of their ability, and assisted to expel them ultimately in utter rout and ruin from our limits. Government ought to treat them with fairness and equity, and can afford to do no less than this. These grants which are genuine and so admitted by our proper authorities are not public domain. They are simply and clearly private property, as much so as any man's farm in the older States. To force the owners to pay for separating them from the public domain is subjecting them to a "charge" which is prohibited by the treaty. The expense of all these surveys which have not been already executed will probably not cost to exceed \$70,000; but be the cost more or less, the stipulations of the treaty ought to be carried out in good faith and the nation's honor maintained.

But setting aside the rights of grant-owners under the treaty, I have no doubt but that as a matter of business management it would be good and economical policy for the Government to make these segregations at its own expense. During over eleven years that the law has stood as now, but six of these grants have been surveyed. This is a pretty good indication of the feeling of the owners, and shows what the fact is, that they are waiting for the Government to return to its former practice, and what was, previous to 1862, admitted on all hands to be its duty under the treaty. From this it would seem to be unimportant to provide any means of adjusting the titles unless at the same time provision is made for the survey. A mere adjudication will not determine the locus of the land, or its shape and area. A survey is necessary for that purpose.

The Government is far more interested to know where its land lies and how much it has than the grant-owners. The latter usually know very nearly their position, and may sit still in their houses with their muniments of title protected by solemn treaty, and cannot legally be disturbed. At least that is their opinion, and they persistently act upon it. It seems to me that these grants or farms may be compared to lakes in the public domain. When we come to a lake in surveying, what do we do? Why, we meander its banks to ascertain how much land we have, or in other words we run its boundary or exterior lines, which is all that is required in the case of a grant. It is also an undoubted fact that if these grants be not surveyed, and the public surveys are prosecuted with due diligence, many lines will run over unascertained grants, all of which will be a useless expense, and may be saved by merely running the exterior lines of the grants. The people think, and it seems to me not without reason, that they ought not to be required to do anything different from what would have been required of them by the Mexican government had they remained under it, in order to enjoy the property which they held previous to the American acquisition, nor required to go to any expense or trouble to secure it, and such was doubtless the spirit and intent of the treaty. All the statements and arguments of your report of last year in regard to these surveys in California apply with equal force to the situation in this Territory.

The act of Congress approved June 2, 1862, chapter 90, Statutes at Large, vol. 12, p. 440, was repealed by chapter 57, Statutes at Large, vol. 16, p. 416, with intent, no doubt, to relieve grant-owners of the expense of the surveys, but as the third section of the act of May 30, 1862, was not repealed, the object was not attained. Believing that Congress will return to the former just and wise policy of surveying the confirmed private grants at public expense, I recommend that an appropriation of \$25,000 be made for that purpose for the fiscal year ending June 30, 1875.

#### USELESS RESERVATIONS.

I beg leave again to call attention to the fact that there are standing upon the maps and records as legally existing four reservations which ought to be vacated by Congress. They are two Indian and two military reservations, as follows:

First, the military reservation without name, in township 18 north, of range 20 east, containing 5,120 acres, embracing sections 9 to 16, inclusive. This reservation, as announced to this office by the Commissioner of the General Land Office in his letter of August 29, 1857, was made by the President, August 18, 1857. I believe it has never been used by the military authorities; they probably have no prospective use for it, and, at any rate, it lies entirely inside of the confirmed and surveyed private land-grant of the inhabitants of the town of Mora.

Second. The Fort Butler military reservation, on the Canadian River, in townships 12 and 13 north, of ranges 27, 28, and 29 east, containing 76,800 acres, lies within the boundaries of the confirmed and surveyed private land-grant of Pablo Montoya. It has, I understand, never been used for military purposes, and will probably never be so needed.

Third. The Bosque Redondo Indian reservation, forty miles square, on the Pecos River, embracing the old Fort Sumner reservation, which latter was vacated by C

gress as useless February 24, 1871. This is not now used as an Indian reservation, nor has it been for some time, and the Indian Bureau reports in a letter to the Commissioner of the General Land-Office, July 20, 1871, that it has no further use for the reservation.

Fourth. The Gila Indian reservation at Santa Lucia Springs, on the Gila River. This tract has not been used by the Indian Bureau for many years, and is no doubt permanently abandoned.

#### TERRITORIAL BOUNDARY.

The whole of the north, south, and east boundaries of the Territory having been established and duly marked, or the same provided for, it remains to survey and mark the western boundary. I renew the suggestion of my report of last year, that it is important that this line be surveyed and established at an early period. Important discoveries are being made of mines and placers along this line, and it is very desirable that it be marked before any surveys, either of mining claims, or ordinary lines, are made near it. The danger from Indians is so far reduced as to render it perfectly practicable in all probability to prosecute the work at any time hereafter, especially as it would be necessary to employ large parties for the work. The line approximates four hundred miles in length; and as considerable portions of it pass through very wild and mountainous regions, and expense of supplies and transportation would be great, I suggest that \$50 per mile would not be too high a price for the work. I express this opinion merely for your information, if, as I hope you will, you conclude to submit an estimate for the work to the next Congress.

#### RAILROADS.

The prospects of one or more railroads reaching the Territory and connecting us with the rest of mankind are rapidly brightening. The Texas Pacific, or thirty-second parallel road, is being rapidly pushed toward us from both Texas and California, and under the able management of the distinguished railroad men and capitalists who now control it, there is no doubt of its early completion. This road will enter the Territory near Paso del Norte or Franklin, on the Rio Grande, in all probability, and continue northwesterly to the western boundary of the Territory.

The Atlantic and Pacific, or thirty-fifth parallel road, does not seem to be pushed with equal energy, but it has a fine line running nearly central through the Territory east and west, with easy grades, through fine grazing and irrigable land, entirely below the line where snows are troublesome. It and the Texas Pacific possess the two best lines yet projected for transcontinental railways, and no better can be found. It also possesses, as does the Texas Pacific, a magnificent land-grant in this Territory. These lands will become immensely valuable as the roads progress through them.

The Atlantic and Pacific Road is of much greater importance to the Territory than the more southern line on account of its more central and commanding route, and if built to the Pacific it would, beyond all question, speedily become an exceedingly popular and profitable road.

The Atchison, Topeka and Santa Fé Road, with its present terminus at Grenada, Colo., is being rapidly built westward, and it is confidently expected it will be completed to Cimarron, in this Territory, about one hundred and fifty miles northeast from this city, within the next twelve months. Its ultimate ambition is doubtless to reach the Pacific Ocean. It has no land-grant west of Kansas, but is more deserving in this respect than some corporations that having large grants do not use them for the benefit of the public by building the roads promised when the grants were made.

The Denver and Rio Grande Road, (narrow gauge,) now running to Pueblo, Colo., with a branch to Cañon City, has thrown out its grading parties of late some fifty or seventy-five miles toward our Territory, and we have the strongest assurances that it means to come down the valley of the Rio Grande, which it will probably enter by way of Sangre de Cristo Pass. This north and south line will be of great benefit to the Territory when completed. Taken all in all the prospects of the Territory, as regards railroad communication, may be considered as very flattering, and with their advent a new era will dawn upon New Mexico, and with her admirable climate, her mineral resources, her boundless pastures, her fruitful valleys, magnificent and sublime scenery, and health-giving mineral-waters, she will draw to her borders all sorts and conditions of men, who will build up a commonwealth which will be an honor to the great nation of which she will form a part.

#### IRRIGATION.

This is a subject of first-class importance to this as to the other Territories. Considerable attention is bestowed upon it by prominent citizens. A preliminary conven-

tion for the purpose of discussing some general scheme of irrigation was held at Denver, Colo., in June last. It was largely attended, and much interest was manifested. Another convention for the furtherance of the project is called to meet at the same place in October next. It has been widely noticed in the press of the Territories and Pacific States, and it is hoped a large and influential meeting of prominent citizens will be the result. It is proposed, I believe, to digest a plan to be laid before Congress, to grant some portion of the public domain to aid the work. It would be very proper and politic for the General Government to do this, on the same principle that it gives the swamps and overflowed lands to the States in which they lie, to be by them reclaimed. The principle, I suppose, is the same, but in one case there is a troublesome surplus of water, and in the other a dearth of that useful fluid. If it is proper to give wet land, provided we will dry it, it is surely right to give us the dry land if we will wet it. With an efficient system of irrigation in the valleys of our streams, the finest of crops can be raised, and with more certainty as to their growth and with more safety in harvesting than where the reliance is entirely upon the fall of rain. The suggestion of your report of last year, that the homestead law be amended so as to require the planting and rearing of useful trees, was a good one, and having been acted upon by Congress, will no doubt be of great benefit in course of time, both to the private lands and the public domain, as well by modifying the climate and increasing the rain-fall, it being conclusively proven that this effect is always produced by an increase of groves and forests. A great good would also result from an increase of shade for live stock, in additional beauty and variety of the landscape, and in many other ways.

## OFFICE-WORK.

The clerical force of the office during the past fiscal year has been insufficient to properly perform the necessary labor, and yet the appropriation of \$6,300 was exhausted and the sum of \$524.71 used from deposits for office-work on private surveys not before actually used. When I took possession of the office last year I found that the records had not been kept up as they should be, mainly, as I am informed and believe, because it was found impossible to do so with the small resources at the command of my predecessors for that purpose. Whether the investigation of private land-claims remains in this office or not, I desire to complete the records of those that have been acted upon, and make up other proper records, which are either incomplete or not commenced. During the present year I shall not be able to do any more than current work. The preparation of transcripts of grants acted upon for transmittal to Congress involves a great amount of clerical labor, as they are generally quite voluminous, in both Spanish and English, and have to be prepared in triplicate. They also cause much other labor not ordinarily performed in surveyors-general's offices, and so I trust that the appropriation estimated for of \$14,000 for the fiscal year ending June 30, 1875, will be granted, as it will be required to keep up current work and bring up that which is in arrears.

## TABULAR STATEMENTS ACCOMPANYING THIS REPORT.

- A.—Public surveys and cost thereof.
- B.—Public lands surveyed.
- C.—Estimates for fiscal year ending June 30, 1875.
- D.—Private surveys returned and perfected.
- E.—Condition of the several congressional appropriations.
- F.—Expenditures on account of incidentals.
- G.—Expenditures on account of salaries.
- H.—Special deposits for private surveys.

Very respectfully, your obedient servant,

JAMES K. PROUDFIT,  
*United States Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner of the General Land-Office, Washington, D. C.*



A.—Statement of public surveys made in the district of New Mexico during the fiscal year ending June 30, 1873.

No.	Date.	Contractor.	Character of survey.	Townships.	Ranges.	Surveyed.		Rate.	Cost.
						M.	ch. li.		
47	Oct. 8, 1872	Griffin & McMullen.	Subdivisional lines.	9, 10, 11 north	29 east	}	1, 019 53 84	\$10 00	\$10, 196 71
47	Oct. 8, 1872	do	do	9, 10, 11 north	30 east				
47	Oct. 8, 1872	do	do	9, 10, 11 north	31 east				
47	Oct. 8, 1872	do	do	9, 10, 11, 12 north	32 east				
47	Oct. 8, 1872	do	Closings on parallels	9, 10, 11, 12 north	33 east	}	2 68 46	10 00	28 55
47	Oct. 8, 1872	do	Re-establishing corners	9 north	30, 31 east				
47	Oct. 8, 1872	do	do	9 north	32 east				
47	Oct. 8, 1872	do	do	13 north	33 east				
48	Oct. 9, 1872	William White	Second standard parallel south	10 south	26, 27 east	}	68 42 40	15 00	1, 027 85
48	Oct. 9, 1872	do	Third standard parallel south	15 south	19 to 28 east, inclusive				
48	Oct. 9, 1872	do	Closings on parallels	11, 12 south	26, 27 east				
48	Oct. 9, 1872	do	Township exterior lines	12, 13 south	24, 25, 26, 27 east				
48	Oct. 9, 1872	do	do	13, 14 south	24, 25, 26, 27 east	}	908 27 93	19 00	2, 500 19
48	Oct. 9, 1872	do	do	14, 15 south	23, 24 east				
48	Oct. 9, 1872	do	do	13, 14, 15 south	24, 25 east				
48	Oct. 9, 1872	do	do	12, 13, 14, 15 south	25, 26 east				
48	Oct. 9, 1872	do	do	11, 12, 13, 14, 15 south	26, 27 east	}	147 29 76	10 00	1, 473 71
48	Oct. 9, 1872	do	do	11, 12, 13, 14, 15 south	27, 28 east				
48	Oct. 9, 1872	do	do	12 south	25 east				
48	Oct. 9, 1872	do	do	13 south	26 east				
49	Oct. 1, 1873	George H. Pradt	Subdivisional lines and meanders	9 north	2, 3, 4, 5, 6, 7, 8, 9, 10 west	}	120 52 00	15 00	1, 809 75
52	Mar. 1, 1873	do	Second standard parallel north	9 north	2, 3, 4, 5, 6, 7, 8, 9, 10 west				
52	Mar. 1, 1873	do	Third standard parallel north	9, 10, 11, 12 north	8 and 9 west				
52	Mar. 1, 1873	do	First grade meridian west	9, 10 north	2, 3, 4, 5, 6, 7, 8, 9 west				
52	Mar. 1, 1873	do	Township exterior lines	10, 11 north	2, 3, 4, 5, 6, 7, 8, 9 west	}	259 28 64	12 00	3, 112 30
52	Mar. 1, 1873	do	do	10, 11 north	2, 3, 4, 9 west				
52	Mar. 1, 1873	do	do	9, 10, 11, 12 north	2, 3 west				
52	Mar. 1, 1873	do	do	9, 10, 11, 12 north	3, 4 west				
52	Mar. 1, 1873	do	do	9, 10, 11, 12 north	4, 5 west	}	6 and 7 and 8 west	9, 10 west	10, 11 west
52	Mar. 1, 1873	do	do	9, 10, 11, 12 north	5, 6 west				
52	Mar. 1, 1873	do	do	9, 10 north	6 and 7 and 8 west				
52	Mar. 1, 1873	do	do	9, 10 north	9, 10 west				
52	Mar. 1, 1873	do	do	9 north	10, 11 west	}	19 00		19 00
52	Mar. 1, 1873	do	do	9 north	10, 11 west				
52	Mar. 1, 1873	do	do	9 north	10, 11 west				
52	Mar. 1, 1873	do	do	9 north	10, 11 west				

Expenses of surveyor-general's special examination in field of township 14 north, range 8 east. Total upon the appropriation of \$20,000 for fiscal year. \* This total includes the meandering above noted, not provided for in contract No. 48, as explained in the body of the report, being 28 miles, 52 chains, 62 links, amounting to \$860.57.

JAMES K. PROUDFIT, United States Surveyor-General. SURVEYOR-GENERAL'S OFFICE, Santa Fe, N. Mex., August 15, 1873.

B.—List of surveyed townships and contents thereof in acres in the district of New Mexico, at the close of the fiscal year ending June 30, 1873.

Whole number subdivided.	Township.	Range.	Public land.	Private claims.	Reservations.	Total acres.	Remarks.
			3, 248, 463. 09	278, 518. 54	13, 960. 00	3, 540, 941. 63	Totals June 30, 1872.
170	9 north.	29 east.	23, 066. 03				
171	10 north.	29 east.	23, 075. 92				
172	11 north.	29 east.	23, 034. 08				
173	9 north.	30 east.	23, 025. 04				
174	10 north.	30 east.	22, 940. 45				
175	11 north.	30 east.	22, 928. 08				
176	9 north.	31 east.	23, 046. 90				
177	10 north.	31 east.	23, 088. 57				
178	11 north.	31 east.	23, 084. 35				
179	9 north.	32 east.	23, 042. 99				
180	10 north.	32 east.	22, 996. 48				
181	11 north.	32 east.	23, 006. 23				
182	12 north.	32 east.	22, 944. 67				
183	9 north.	33 east.	23, 042. 56				
184	10 north.	33 east.	23, 041. 99				
185	11 north.	33 east.	23, 038. 40				
186	12 north.	33 east.	22, 936. 49				
187	14 north.	8 east.	2, 990. 56				
188	12 south.	25 east.	23, 255. 43				
189	13 south.	26 east.	23, 423. 98				
			3, 689, 474. 29	278, 518. 54	13, 960. 00	3, 981, 952. 83	Totals June 30, 1873.

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Santa Fé, N. Mex., August 15, 1873.

C.—Estimate of appropriations required for the surveying service in New Mexico for the fiscal year ending June 30, 1875.

For salary of surveyor-general .....	\$3, 000	
For salary of translator and chief clerk .....	2, 000	
For salary of two draughtsmen, at \$1, 500 each .....	3, 000	
For salary of four clerks, at \$1, 500 each .....	6, 000	
		\$14, 000
For incidental expenses .....		3, 000
For survey of 660 miles standard lines, at \$15 .....	\$9, 900	
For survey of 3,000 miles exterior township-lines, at \$12 .....	36, 000	
For survey of 8,000 miles subdivisional lines, at \$10 .....	80, 000	
For survey of confirmed private land-claims .....	25, 000	
		150, 900
Total .....		167, 900

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1873.

D.—Statement of all surveys, not of public land, in the district of New Mexico, made during the fiscal year ending June 30, 1873.

Character of claim.	Under statute of—	Statute designation.	Tract.	Locality.	Claimant.	Area, acres.
Total reported at close of year ending June 30, 1872.						5,353,088.04
Mexican grant.	June 21, 1860	No. 33	Armenazariz grant.	Socorro and Doña Ana Counties.	Pedro Armenazariz	307,235.30
Mexican grant.	June 21, 1860	No. 34	Valverde grant.	Socorro County	Pedro Armenazariz	119,652.96
Town-site.	Mar. 2, 1867		Silver City.	Grant County	Probato, judge, in trust	5,000
Mill-site.	May 10, 1872		Pope mill-site.	Grant County	Nathaniel Pope	5.00
Mining.	May 10, 1872		Peabody mine.	Grant County	David Abrahams	6.88
Deduct Fort McRae military reserve, included in the total for 1872, now embraced in Armenazariz grant, survey No. 33.						5,870,907.80
Deduct the portion of Fort Craig military reserve (24,725 acres, included in total for 1872) now embraced in Armenazariz grant, survey No. 34.						96,069.33
Deduct San Agustín mine of 20.66 acres, included in total for 1872, now reduced one-half by new survey.						5,844,868.56
Total June 30, 1873.						

JAMES K. PROUDFIT,  
United States Surveyor-General.

E.—Statement showing the condition of the several congressional appropriations for the surveying service in New Mexico at the close of the fiscal year ending June 30, 1873.

Appropriation for—	Amount.	Expended.	Reverting to Treasury.	Remarks.
Public surveys.....	\$20,000 00	\$19,928 88	\$71 12	Exclusive of \$286.57 for unforeseen meandering. No surveyor-general until Aug. 1.
Salary of surveyor-general.....	3,000 00	2,747 28	252 72	
Salaries of clerks.....	6,300 00	6,298 83	1 17	
Contingent expenses.....	2,000 00	1,999 92	08	
<b>Total.....</b>	<b>31,300 00</b>	<b>30,974 91</b>	<b>325 09</b>	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1873.

F.—Statement of incidental expenditures in the office of the surveyor-general of New Mexico, during the fiscal year ending June 30, 1873.

Fiscal quarter.	Name.	Consideration.	Time.		Amount.	Remarks.
			From, inclusive.	To, inclusive.		
1	Luis Gold.....	Rent of office.....	July 1..	Sept. 30.	\$100 00	Vouchers 1 to 11, inclusive.
1	James K. Proudft.....	Sundries.....			350 25	
2	Luis Gold.....	Rent of office.....	Oct. 1..	Dec. 31..	100 00	Vouchers 1 to 14, inclusive.
2	James K. Proudft.....	Sundries.....			397 31	
3	Luis Gold.....	Rent of office.....	Jan. 1..	Mar. 31	100 00	Vouchers 1 to 11, inclusive.
3	James K. Proudft.....	Sundries.....			423 97	
3	D. McClelland.....	Blank plats.....			18 00	Vouchers 1 and 2.
4	James K. Proudft.....	Repairs of compass, &c.....			215 65	
4	Luis Gold.....	Rent of office.....	Apr. 1..	May 12..	46 15	Vouchers 1, 2, 3, and 4.
4	Teleforo Jaramillo.....	do.....	May 13..	June 30.	80 76	
4	James K. Proudft.....	Sundries.....			170 83	
	<b>Total amount.....</b>				<b>1,999 92</b>	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1873

G.—Statement of expenditures in the office of the surveyor-general of New Mexico for salaries during the fiscal year ending June 30, 1873.

Fiscal quarter.	Name.	Position.	Salary.	Time served.		Amount.	Remarks.		
				From, inclusive.	To, inclusive.				
First	James K. Proudfit.....	Surveyor-general	\$3,000	Aug. 1	Sept. 30	\$497 86	Office vacant till August 1.		
	David J. Miller.....	Translator and chief clerk	2,000	July 1	Sept. 30	500 00			
	William White.....	Draughtsman	1,500	July 1	Sept. 30	375 00			
	John P. Risque.....	do	1,500	Aug. 1	Sept. 30	248 64			
	J. Howe Watts.....	Clerk	1,500	July 31	Sept. 30	126 33			
	John Watts.....	do	1,500	July 27	Sept. 30	365 02			
	William C. Stevens.....	do	1,500	Sept. 30	Sept. 30	4 07			
	Byron J. Smith.....	do	1,500	Sept. 30	Sept. 30	750 00			
	James K. Proudfit.....	Surveyor-general	3,000	Oct. 1	Dec. 31	503 00			
	David J. Miller.....	Translator and chief clerk	2,000	Oct. 1	Dec. 31	248 64			
Second	John P. Risque.....	Draughtsman	1,500	Oct. 1	Nov. 30	130 81			
	William White.....	do	1,500	Oct. 11	Nov. 16	101 80			
	George H. Pratt.....	Clerk	1,500	Dec. 7	Dec. 31	373 10			
	John Watts.....	do	1,500	Oct. 16	Nov. 19	8 15			
	Byron J. Smith.....	do	1,500	Oct. 1	Nov. 30	300 00			
	Seward B. Chapin.....	do	1,500	Dec. 31	Dec. 31	310 98			
	James K. Proudfit.....	Surveyor-general	3,000	Nov. 28	Dec. 31	710 00			
	David J. Miller.....	Translator and chief clerk	2,000	Jan. 1	Mar. 31	500 00			
	Levi P. Drake.....	Draughtsman	1,500	Jan. 1	Feb. 24	529 16			
	Third	do	do	1,500	Jan. 1	Feb. 24		529 16	
George H. Pratt.....		Clerk	1,500	Jan. 16	Mar. 23	137 50			
William C. Stevens.....		do	1,500	Jan. 1	Mar. 31	375 00			
Byron J. Smith.....		do	1,500	Jan. 1	Feb. 24	103 33			
William White.....		do	1,500	Jan. 1	Feb. 24	250 00			
James K. Proudfit.....		Surveyor-general	3,000	Jan. 1	June 30	947 85			
David J. Miller.....		Translator and chief clerk	2,000	April 1	June 30	16 46			
Levi P. Drake.....		Draughtsman	1,500	April 2	June 4	197 74			
do		do	1,500	May 5	June 30	234 89			
William White.....		do	1,500	May 9	June 7	317 30			
Fourth	William C. Stevens.....	Clerk	1,500	April 1	June 30	234 89	Besides \$252.75 from deposits.		
	Byron J. Smith.....	do	1,500	April 1	June 30	234 89			
	Total during fiscal year.....							9,046 11	
								Besides \$74.17 from deposits.	
								Besides \$57.69 from deposits.	
								Besides \$140.10 from deposits.	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fe, N. Mex., August 15, 1873

H.—Statement of town-etc, mineral, public land, and private land-claim survey special deposits as in account with the United States

DR.			1872.		CR.
1873.					
June 17	For cost of field-work, (Watts's deposit).....	\$2,059 10		Balance on deposit June 30, 1872.....	\$6,000 00
June 17	For cost of office-work, (Watts's deposit).....	247 36		By W. Waddingham, for survey of Pedro Armentariz's claims	1,000 00
Oct. 31	For amount refunded in excess of field-work, (Watts's deposit).....	440 96	Oct. 10	By Nos. 33 and 34, field-work.....	100 00
Oct. 31	For amount refunded in excess of office-work, (Watts's deposit).....	9 69	Oct. 10	By same for same, office-work.....	2,519 00
Aug. 16	For cost of field-work, (Ellison's deposit).....	331 95	Dec. 31	By same for same, additional field-work.....	100 00
Aug. 16	For cost of office-work, (Ellison's deposit).....	105 48	Dec. 31	By same for same, additional office-work.....	100 00
Oct. 31	For amount refunded in excess of field-work, (Ellison's deposit).....	169 05	1873.		
Oct. 31	For amount refunded in excess of office-work, (Ellison's deposit).....	9 69	Jan. 25	By N. Pope, for survey of Pope, mill-site, office-work.....	40 00
Oct. 10	For cost of field-work, (P. Maxwell's deposit).....	2,569 43	June 27	By Fred. Myers, for survey of San Augustin mine, office-work.....	50 00
Oct. 10	For cost of office-work, (P. Maxwell's deposit).....	146 84	June 28	By David Abraham, for survey of Feabody mine, office-work.....	30 00
Oct. 10	For amount to be refunded in excess of field-work, (P. Maxwell's deposit).....	60 57			
Oct. 10	For amount to be refunded in excess of office-work, (P. Maxwell's deposit).....	3 16			
1873.					
Jan. 13	For cost of field-work, (Waddingham's deposit).....	3,407 80			
Jan. 13	For cost of office-work, (Waddingham's deposit).....	109 70			
Jan. 15	For amount refunded in excess of field-work, (Waddingham's deposit).....	111 20			
Jan. 15	For amount refunded in excess of office-work, (Waddingham's deposit).....	30			
Mar. 22	For cost of field-work, (Hudson's deposit).....	75 78			
Mar. 22	For cost of office-work, (Hudson's deposit).....	53 83			
Mar. 31	For amount refunded in excess of field-work, (Hudson's deposit).....	49 22			
Mar. 31	For amount refunded in excess of office-work, (Hudson's deposit).....	71 17			
April 12	For cost of office-work, (Pope's deposit).....	26 09			
April 12	For amount refunded in excess of work, (Pope's deposit).....	13 91			
April 12	Balance on deposit June 30, 1873.....	80 00			
		9,839 00			9,839 00

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fe, N. Mex., August 15, 1873.

*H.—Report of the surveyor-general of Colorado*

SURVEYOR-GENERAL'S OFFICE,  
Denver, September 1, 1873.

SIR: I have the honor herewith to submit, in duplicate, my annual report of the surveying operations in this surveying district for the fiscal year ending June 30, 1873, together with a map showing the progress of public surveys.

Statement marked A shows the surveys made under the regular appropriation for the fiscal year ending June 30, 1873.

Statement B shows the surveys made under the act of May 30, 1862, and amendatory act of March 3, 1871.

Statement C contains the number and names of mining claims, together with the area and the amount deposited to pay for the same, surveyed under the acts of July 26, 1866, and May 10, 1872.

Statement D contains the number of townships surveyed during the year ending June 30, 1873, and the area of public land contained in the same.

Statement E shows the amount of salaries paid surveyor-general and clerks in his office for the year ending June 30, 1873, and incidental expenses for the same period.

Statement F contains the estimates for the surveying service for the year ending June 30, 1875, together with that of salaries and office expenses for same year.

## SURVEYS.

The public surveys the past year have been principally in the valley of the Platte River, on the line of the Golden and Julesburgh Railroad, which is now being built—within the limits of the Kansas Pacific Railroad grant—on the Arkansas River, on the line of the Atchison, Topeka and Santa Fé Railroad, in the San Luis Valley, and in the timbered lands of the mountains. I have endeavored to place the surveys where there was the greatest demand by actual settlers, and I find that on the lines of the several proposed railroads settlers are flocking in rapidly both in colonies and individually.

The appropriation for surveys having been inadequate for the demand, I used this present year a large portion for extending standard and exterior township lines, so that settlers may avail themselves of the provisions of the acts of May 30, 1862, and March 3, 1871, providing for individual deposits; and since the passage of the last-named act, authorizing the use of the certificates of deposit in payment of their pre-emptions, large numbers of settlers have made deposits for surveys, and, as shown by tabular statement marked B, the large sum of \$31,583 was deposited for special surveys during the fiscal year ending June 30, 1873, and I have no doubt a large sum will be deposited the present year for surveys under said acts; and the deposits having come from different, and nearly every part, shows the rapid settlement of the Territory.

In the mineral department the business has increased rapidly, and during the year 329 surveys were made, particulars of which are set forth in statement marked C. The miners of the Territory are anxious to obtain titles to their mines, and applications are now being made for surveys on an average of two per day. The small sum of \$16 is required by the office to be deposited to the "credit of the appropriation for the pay of surveyor-general and clerks in his office," to cover the expenses incident to these surveys, and the amount, though small for the individual, in the aggregate furnishes ample funds to pay all expenses. I have endeavored to make the expenses as low as consistent, and to furnish all the facilities possible to encourage the miners to apply for and obtain titles to their claims.

## AGRICULTURE.

A few years ago all the agricultural products used here were imported from the States; indeed it was thought that the country was unfit for cultivation, being on the border of the "great American desert," but experience has taught us that when the ground is properly prepared and irrigated its yield is abundant, and a few years hence we will export many products of the farm to the East; in fact, last year we exported over 100,000 bushels of wheat to eastern markets, as our average yield of wheat is about double to the acre as compared with Ohio, Indiana, and Illinois. We can raise and pay freight on our grain and successfully compete with the farmers of the East. Our average of wheat per acre is 28 bushels, but I have known fields to yield 40 to 45 bushels, and know of several farmers who propose to enter at the Territorial fair this fall for the premium "for the best five acres of wheat," who will show over 75 bushels to the acre. Ninety bushels of wheat has been raised on an acre of ground in Colorado, and 550 on ten acres, as shown by reports of our agricultural society. All kinds of vegetables are raised in quantities sufficient for home consumption. Corn, oats, and barley are raised in large quantities, but we still have to import a small portion of the amount required for our use. The average of corn per acre is 35 bushels, that of oats

55, and barley 40 bushels to the acre. Crops are raised almost entirely by irrigation, and where farms are properly prepared with irrigating ditches they are more certain and regular than in the East where they depend entirely upon nature, for there they are frequently destroyed or damaged by heavy and long-continued rain and again by drought; but here, where we have so little rain, there is no danger from the former source and neither from the latter, for all the farmer has to do is to open his irrigating ditches and let the water flow upon the growing crops until their wants are supplied. It is a wise provision of nature for us that in the hottest and driest weather we have the most water, for the reason that our streams all have their source in the mountains and are fed by the melting snows; therefore the hotter the weather, the more snow melts and the streams are the fullest. I have no doubt that the fact that our farmers here must irrigate to farm successfully, deters many from immigrating hither who would gladly do so, but I am equally convinced that drainage in most Northern States costs more there than irrigation here.

#### MINES AND MINING.

This branch of industry is in a healthy and prosperous condition. The newly-discovered mine at Mount Lincoln, some of which assay \$20,000 to \$30,000 of silver to the ton of ore, have created considerable excitement. The new town of Dudley has been started near the foot of the mountain. Two smelting-works have been erected capable of reducing ten tons of ore per day, and will soon be increased to twenty tons per day. New discoveries are almost daily being made, and this new field promises rich returns to the miners. At Georgetown the mines are doing well, and the several mills and smelting-works are kept busy. Many old mines in the vicinity of Central City, on which work has been suspended for several years, have been worked during the year, yielding large profits to their owners. The smelting-works at Black Hawk are run continually to their utmost capacity. Most of the smelting-works of the Territory buy ore by assay from the mine, thus enabling the poorer class of miners to work their mines. A number of sales of mines have been made during the year, the largest of which was the Caribou, in Boulder County, to a Holland company, for \$3,000,000. This mine, from its discovery to the present time, has shown itself to be one of the best in the Territory. It has been well developed, and with a continuation of its present practical mode of working will undoubtedly prove itself to be one of the richest, if not the richest, on the continent. There are many other good lodes in this district which are paying well, and some new and rich discoveries are being made. I was shown a specimen a few days since of nearly pure silver from a new discovery about three miles from the Caribou, and I have no doubt that other rich discoveries will be made in that locality. I am of the opinion that the entire eastern slope of the range from Caribou south to Central City and Georgetown is one vast belt of mineral land, and in many places of exceeding richness. We need more smelting-works in the Territory, and capitalists would do well to turn their attention to this matter, as there are many thousands of tons of ore lying at the mines awaiting treatment.

#### RAILROADS.

There are nearly six hundred miles of railroad completed and in operation in Colorado. The Kansas Pacific Railroad, from Denver to Kansas City, has two hundred and ten miles of their line in the Territory and is our principal outlet to the East. It carries most of the freight coming to and going from Colorado; also does an extensive passenger and cattle traffic. The Denver Pacific to Cheyenne (one hundred and six miles) gives us another outlet east, via Omaha, and to the west from Cheyenne. The Boulder Valley Railroad, (thirty-seven miles,) from Denver to Boulder City, does an extensive trade in coal from the Erie coal-banks as well as a good passenger and freight business to Boulder City and the mountains. The Colorado Central Railroad, from Denver to Central City, (thirty-six miles,) is doing a good passenger and freight business and is paying the projectors well for their investment. The mountain-division of this road is narrow-gauge (3 feet) and passes up Clear Creek Cañon through some of the grandest mountain-scenery of the Rocky Mountains. The Denver and Rio Grande Railroad, which was completed to Pueblo (one hundred and twenty miles) at date of my last annual report, has been extended to the coal-fields near Cañon City, a distance of forty miles from Pueblo. As this is the only coal in the Territory reached by railroad, suitable for locomotives and gas, this division of the road does a heavy business in the item of coal as well as freight and passengers to Cañon City. This road is the first narrow-gauge passenger-road of 3 feet on the continent, and was, to a certain extent, an experiment; but it is no longer such; it has exceeded the most sanguine expectations of its projectors, having done nearly three times the business that was estimated before the work was begun. The company began business with three locomotives, two passenger and about fifty freight cars, but soon found these insufficient for the business



and now have twelve locomotives, fifteen passenger and baggage cars, and nearly three hundred freight-cars, all of which are kept busy. The next division of forty miles is being graded south from Pueblo, and will soon be ready for the ties and iron.

Of the railroads now being constructed, I will mention the most important. The Kansas Pacific, from Kit Carson to Fort Lyon, fifty-four miles, was graded last fall, and the ties and iron are now being laid, and the cars will soon be running to the latter place on the Arkansas River. It is intended very soon to build up said river to Pueblo. Surveys of this route are now being made. The Golden and Julesburgh Road, from the latter place on the Union Pacific Railroad, has been graded over one hundred miles up the Platte Valley, and will run up the said valley, via Greeley, Longmont, Boulder City, and Golden, to Denver. The western portion of this road is now built and being operated from Denver, via Golden and Boulder City, to Longmont. The Denver, South Park and Pacific Railroad, in aid of which this county (Arapahoe) voted \$300,000 in bonds, is now being constructed. Its main line is up the valley of the Platte River to the South Park, whence a branch will be built, via Arkansas River and Puncta Pass, to the San Juan mines, and the main line continued, via Middle Park and Utah, to the Pacific. The main line now under construction to the South Park will form a trunk-line for numerous branches to the different mining districts, and which will traverse rich and extensive regions beyond. A branch will also be built up the thickly settled valley of Bear Creek to the new town of Morrison, fifteen miles from Denver, where timber, wood, building-stone, lime, gypsum, &c., are found in abundance, and only wait cheap transportation to a good market at Denver. This is one of the most important roads leading into Denver, and it will pay a good dividend on the money invested in its construction.

#### SUMMER RESORT.

As a summer resort Colorado has already attained considerable celebrity. At the present time many thousands of pleasure-seekers are visiting the mountain-towns and soda and sulphur springs of the Territory, and enjoying the light, dry, and cool air of the mountains, in the immediate vicinity of perpetual snow, where abundance of game is found for the hunter, and beautiful mountain-trout for the angler. The mineral-springs of the Territory, which possess all the medicinal qualities of those of celebrated places of resort in the East, have been well patronized by both pleasure-seekers and invalids. At Manitou Springs, at the foot of Pike's Peak, and near the celebrated Garden of the Gods, a first-class hotel furnishes the best of accommodations for guests, and the waters of the springs have performed some wonderful cures. At the Idaho Hot-Soda Springs good hotels are found, and swimming, tub, and shower baths are the luxuries to be had. Both Manitou and Idaho are reached by railroad. The hot sulphur-spring, in the Middle Park, is the largest and probably the best in the Territory, but is somewhat difficult of access. A new wagon-road is, however, now being built to the Park, via Rollinsville and Boulder Pass, and a town has been laid out at the springs, where it is intended to build a good hotel, and by next season it will undoubtedly be a favorite resort both for invalids and pleasure-seekers.

#### GENERAL PROSPERITY.

It is gratifying to be able to report general prosperity in all branches of industry in the Territory, and a wonderful increase of population and wealth. I will give a few instances: Denver, the commercial and political metropolis of Colorado, in 1870, as shown by the United States census, contained a population of less than 5,000. A census taken under authority of the city council, in 1871, showed a population of over 10,000. In the spring of 1873, by actual count, Denver had 4,000 houses, and by making the low estimate of an average of five persons to each house, we had 20,000 population. There were erected in Denver, during last year, 714 buildings, (nearly half of which were substantial brick or stone,) at a cost of \$1,420,000, and her business increased three and one-half millions during the year. Two new public-school buildings were erected during the year, one costing \$75,000 and the other \$15,000. Still another is now being built, to cost \$14,500.

Pueblo, situated one hundred and twenty miles south of Denver, has nearly doubled its population during the year. Colorado Springs, on the Denver and Rio Grande Railroad, seventy-six miles south of Denver, where in 1870 not a house stood or a soul lived, now contains 500 buildings and nearly 2,000 inhabitants. Golden City, Greeley, Longmont, Boulder, and other towns, have increased in population and business with equal rapidity. The improvements are not confined to the cities and towns, but the country is also fast settling up with farmers, dairymen, and stockmen. The Territory is having a healthy growth, and we are destined to become, in a few years, a very rich and populous State.

Very respectfully, your obedient servant,

W. H. LESSIG,  
*Surveyor-General of Colorado.*

**A.—Statement of account of surveys made under regular appropriation for the fiscal year ending June 30, 1873.**

Date.	Name of deputy.	Amount.	Appropriation.	Amount.
Sept. 18, 1872	J. H. Martz .....	\$5,395 78	By appropriation of March 3, 1873.....	\$50,000 00
Sept. 25, 1872	Bright & Sopris .....	1,135 35		
Sept. 25, 1872	James M. Ashley, jr. ....	1,081 35	By appropriation of February 25, 1869.....	1,025 62
Oct. 7, 1872	William Ashley .....	5,608 31		
Oct. 15, 1872	B. M. Whittemore .....	1,485 27		
Oct. 24, 1872	William A. Christian .....	5,419 79		
Oct. 29, 1872	E. H. Kellogg .....	322 67		
Oct. 30, 1872	George H. Hill .....	3,248 06		
Nov. 1, 1872	John T. Lambert .....	1,804 79		
Nov. 4, 1872	James L. Stein .....	4,199 06		
Dec. 3, 1872	A. M. Fahringer .....	6,037 52		
Dec. 6, 1872	J. H. Martz .....	811 53		
Dec. 17, 1872	Jason S. Fahringer .....	7,200 95		
Jan. 8, 1873	George H. Hill .....	4,221 03		
Jan. 10, 1873	Bright & Sopris .....	1,002 92		
Jan. 20, 1873	A. W. Archibald .....	1,025 62		
	Balance .....	1,025 62		
	<b>Total .....</b>	<b>51,025 62</b>		<b>51,025 62</b>

**B.—Statement of account of surveys made under act of Congress approved May 20, 1862, and the amendatory act thereto approved March 3, 1871.**

June 22, 1872	B. M. Whittemore .....	\$568 82	By individual deposit.....	\$31,583 05
July 30, 1872	B. M. Whittemore .....	601 04		
Aug. 2, 1872	D. C. Oakes .....	1,771 71		
Aug. 10, 1872	T. S. Brandegee .....	1,416 79		
Sept. 9, 1872	James M. Ashley .....	600 25		
Sept. 19, 1862	D. C. Oakes .....	833 30		
Oct. 3, 1872	B. M. Whittemore .....	645 08		
Oct. 3, 1872	A. W. Archibald .....	817 63		
Oct. 12, 1872	William Ashley .....	599 77		
Oct. 12, 1872	D. C. Oakes .....	605 12		
Oct. 18, 1872	Richard Fawcett .....	1,229 86		
Oct. 25, 1872	Oscar Eaton .....	598 92		
Nov. 4, 1872	George H. Hill .....	638 90		
Nov. 6, 1872	D. C. Oakes .....	1,205 50		
Nov. 8, 1872	William A. Christian .....	600 16		
Nov. 21, 1872	George H. Hill .....	599 31		
Nov. 23, 1872	Cecil A. Deane .....	594 96		
Dec. 7, 1872	J. H. Martz .....	594 97		
Dec. 11, 1872	Cecil A. Deane .....	401 26		
Dec. 12, 1872	D. C. Oakes .....	747 31		
Dec. 19, 1872	D. C. Oakes .....	598 76		
Dec. 23, 1872	George H. Hill .....	276 38		
Dec. 24, 1872	Cecil A. Deane .....	669 05		
Jan. 11, 1873	George H. Hill .....	589 81		
Jan. 30, 1873	George H. Hill .....	598 77		
Feb. 7, 1873	Cecil A. Deane .....	601 05		
Feb. 11, 1873	A. M. Fahringer .....	599 46		
Feb. 18, 1873	Oakes & Kellogg .....	3,145 07		
Feb. 24, 1873	George H. Hill .....	601 20		
Mar. 24, 1873	Cecil A. Deane .....	191 25		
Apr. 1, 1873	E. H. Kellogg .....	47 89		
Apr. 4, 1873	John M. Odenheimer .....	928 39		
Apr. 8, 1873	E. H. Kellogg .....	1,038 50		
Apr. 9, 1873	A. M. Fahringer .....	646 50		
Apr. 14, 1873	Cecil A. Deane .....	816 16		
Apr. 16, 1873	B. M. Whittemore .....	815 86		
May 3, 1873	E. H. Kellogg .....	741 95		
May 15, 1873	George H. Hill .....	600 40		
May 15, 1873	E. B. Sopris .....	964 69		
May 17, 1873	George H. Hill .....	814 78		
May 26, 1873	Cecil A. Deane .....	626 47		
	<b>Total .....</b>	<b>31,583 05</b>		<b>31,583 05</b>

J.—Statement showing the number and names of mining claims, together with the area, and amount deposited for office expenses, surveyed under act approved July 26, 1866, and the amendatory act thereto, approved May 10, 1872.

No. of lode.	Name of lode.	No. of district.	Name of district.	County.	Township.	Area in acres.	Approved.	Amount deposited for office work.
172	West Rewabic	1	Russell	Glipin	3 s. 73	2 750	July 12, 1872	\$16 00
173	Humboldt	1	do	do	3 s. 73	0 574	Oct. 9, 1872	16 00
176	Grand Army	1	Eureka	do	3 s. 73	1 761	July 12, 1872	16 00
179	Arotic	1	Lake	do	3 s. 73	1 607	July 12, 1872	16 00
180	C. T. Gorham's mill-site	1	Russell	do	3 s. 73	0 84	July 12, 1872	16 00
181	Rocky Mountain Terror	1	do	do	3 s. 73	1 607	Aug. 21, 1872	16 00
182	Fiak No. 1, east	1	Gregory	do	3 s. 73	0 1148	Oct. 9, 1872	16 00
183	Fiak Nos. 5 and 6	1	do	do	3 s. 73	0 172	Oct. 9, 1872	16 00
184	Fiak No. 2	1	do	do	3 s. 73	0 1148	Oct. 9, 1872	16 00
185a	Fiak No. 4	1	do	do	3 s. 73	0 086	Oct. 9, 1872	16 00
185b	Fiak mill-site	1	do	do	3 s. 73	4 304	Oct. 9, 1872	16 00
186a	Fiak Nos. 6 and 8	1	do	do	3 s. 73	0 218	Oct. 9, 1872	16 00
186b	Fiak mill-site	1	Enterprise	do	3 s. 73	0 87	Oct. 9, 1872	16 00
187	Kansas	1	Nevada	do	3 s. 73	0 229	Oct. 9, 1872	16 00
188	do	1	do	do	3 s. 73	0 057	Oct. 9, 1872	16 00
189	Jones & Matteson Nevada.	1	do	do	3 s. 73	0 2296	Aug. 21, 1872	16 00
190	Joseph Risk placer	1	Russell	do	3 s. 73	12 75	Oct. 10, 1872	16 00
191	Lewis	1	Nevada	do	3 s. 73	0 31	Oct. 9, 1872	16 00
192	Fiak	1	do	do	3 s. 73	0 0287	Jan. 4, 1873	16 00
193	Colorado	1	do	do	3 s. 73	1 14	June 30, 1873	16 00
194	R. P. Ratrey	1	Enterprise	do	3 s. 73	0 374	Nov. 12, 1872	16 00
195	Monroe	1	Nevada	do	3 s. 73	0 8536	Nov. 6, 1872	16 00
197	Fendleton and mill-site	1	Russell	do	3 s. 73	2 65	Nov. 1, 1872	16 00
198	Kirk	1	do	do	3 s. 73	1 97	Oct. 15, 1872	16 00
199	Sugar-Tit	1	Illinois Central	do	3 s. 73	1 383	Nov. 22, 1872	16 00
200	Billings	1	Nevada	do	3 s. 73	0 543	Oct. 2, 1872	16 00
201	Jones & Matteson	1	Gregory	do	3 s. 73	0 546	Oct. 15, 1872	16 00
202	Kansas	1	Nevada	do	3 s. 73	0 0388	Oct. 15, 1872	16 00
203	Idaho	1	do	do	3 s. 73	9 30	Dec. 1, 1872	16 00
204	Cum	1	Gregory	do	3 s. 73	0 30	Dec. 1, 1872	16 00
205	Boston	1	do	do	3 s. 73	0 1148	Feb. 28, 1873	16 00
206	Crize	1	Illinois Central	do	3 s. 73	0 83	Feb. 28, 1873	16 00
206	Cooper	1	Nevada	do	3 s. 73	0 98	Nov. 8, 1872	16 00
206	Gregory No. 2 and mill-site	1	Russell	do	3 s. 73	1 00	Nov. 18, 1872	16 00
209	Bruno	1	Gregory and Central City	do	3 s. 73	1 70	Oct. 31, 1872	16 00
210	E. J. Jaques mill-site	1	Gregory	do	3 s. 73	0 24	Nov. 18, 1872	16 00
211	Madison	1	Nevada	do	3 s. 73	0 24	Nov. 18, 1872	16 00
211	Madison	1	Enterprise	do	3 s. 73	1 72	Nov. 6, 1872	16 00

212	Gregory and mill-site	Gregory	do	3 s. 73	1. 607	Dec. 20, 1872	16 00
213	Gregory	do	do	3 s. 72	0. 69	Dec. 21, 1872	16 00
214	Holman Mining Company mill-site	Enterprise	do	3 s. 72	0. 33	Apr. 10, 1873	16 00
215	Bob Tail	Nevada	do	3 s. 72	1. 52	Dec. 21, 1872	16 00
216	California	Nevada	do	3 s. 73	0. 23	Dec. 23, 1873	16 00
220	Fisk	do	do	3 s. 72	0. 115	Jan. 6, 1873	16 00
221z	Mammoth	do	do	3 s. 73	0. 27	Jan. 7, 1873	16 00
221b	Mill-site	Enterprise	do	3 s. 72	2. 87	Jan. 7, 1873	16 00
222	Bates and mill-site	Gregory	do	3 s. 72	1. 30	Jan. 30, 1873	16 00
223	Atina	do	do	3 s. 73	1. 61	Feb. 5, 1873	16 00
224	Bates	do	do	3 s. 73	0. 21	June 2, 1873	16 00
225	Pocahontas	Illinois Central	do	3 s. 73	0. 42	Feb. 13, 1873	16 00
226	S. B. Morgan placer	Enterprise	do	3 s. 72	4. 49	Mar. 25, 1873	16 00
227	Philadelphia	Nevada	do	3 s. 73	0. 31	Jan. 30, 1873	16 00
228	Epizootic	Gregory	do	3 s. 73	0. 98	Mar. 3, 1873	16 00
229	Champion	Enterprise	do	3 s. 72	3. 44	Feb. 13, 1873	16 00
230	Harsh and mill-site	Russell	do	3 s. 73	0. 07	Mar. 20, 1873	16 00
231	Calhoun	do	do	3 s. 73	0. 62	Mar. 20, 1873	16 00
232	Wood	do	do	3 s. 73	1. 15	Mar. 28, 1873	16 00
233	William Richardson	do	do	3 s. 73	1. 03	Mar. 29, 1873	16 00
234	Jones & Matteson, Nevada	Nevada	do	3 s. 73	0. 44	Apr. 10, 1873	16 00
235	McCallister	Gregory	do	3 s. 73	1. 05	Mar. 4, 1873	16 00
236	Tucker and mill-site	Quartz Valley	do	3 s. 73	2. 07	June 4, 1873	16 00
237z	Gregory	Enterprise	do	3 s. 73	0. 23	Apr. 16, 1873	16 00
237b	Mill-site	do	do	3 s. 72	0. 71	Apr. 16, 1873	16 00
238	Calhoun	Russell	do	3 s. 73	0. 23	Mar. 26, 1873	16 00
239	Wautanga	do	do	3 s. 73	1. 36	Apr. 18, 1873	16 00
242	Senator	Gregory	do	3 s. 72	1. 73	June 2, 1873	16 00
243	Merchants	do	do	3 s. 72	1. 09	June 2, 1873	16 00
244	Keystone	Russell	do	3 s. 73	0. 23	Apr. 15, 1873	16 00
245	Topeka and mill-site	do	do	3 s. 73	0. 22	Apr. 15, 1873	16 00
246	Keystone	do	do	3 s. 73	1. 20	May 15, 1873	16 00
247	Mill-site	do	do	3 s. 73	0. 67	May 17, 1873	16 00
248	Adair	Central City	do	3 s. 73	0. 34	June 11, 1873	16 00
249	Gold-Dirt	Independent	do	3 s. 73	0. 46	June 10, 1873	16 00
250	Missouri	Nevada	do	3 s. 73	0. 115	June 26, 1873	16 00
251	do	Russell	do	4 s. 74	1. 44	Nov. 27, 1872	16 00
81	Mell, (resurvey)	Griffith	Clear Creek	4 s. 75	1. 43	July 11, 1872	16 00
124	United States Coin	do	do	4 s. 75	0. 92	July 11, 1872	16 00
125	Mammoth	do	do	3 s. 73	0. 8	July 17, 1872	16 00
126	Hunkill	Spanish Bar	do	4 s. 75	0. 8	Aug. 3, 1872	16 00
127	Glasgow	Queens or Griffith	do	6 s. 76	1. 83	Oct. 11, 1872	16 00
128	Comstock	Snake River	Suzamit	4 s. 74	3. 44	Aug. 19, 1872	16 00
129	Highland	do	Clear Creek	4 s. 74	3. 44	Aug. 19, 1872	16 00
130	Ramage	do	do	4 s. 74	1. 7	Oct. 26, 1872	16 00
131	Amanda	do	do	4 s. 75	1. 2	Dec. 30, 1872	16 00
132	Josaphine	do	do	4 s. 74	3. 44	Oct. 11, 1872	16 00
133	Saint Laurence	do	do	4 s. 75	0. 89	July 25, 1872	16 00
134	Pelican	do	do	4 s. 75	3. 37	Sept. 6, 1872	16 00
45	John E. McClurg	Queens or Griffith	do	4 s. 75			

C.—Statement showing the number and names of mining-claims, the area, and amount deposited for office expenses, &c.—Continued.

No. of lode.	Name of lode.	No. of district.	Name of district.	County.	Township.	Area in acres.	Approved.	Amount deposited for office-work.
136	Seven-Thirty	2	Queens and Griffith	Clear Creek	4 s. 75	0.66	Sept. 6, 1872	\$16 00
137	Old Missouri	2	Queens	do	4 s. 75	1.83	June 3, 1873	18 00
139	Mendota	2	Griffith	do	4 s. 75	0.97	Oct. 28, 1872	16 00
140	West Hercules	2	Queens	do	4 s. 75	3.09	Sept. 6, 1872	16 00
141	Silver Wing	2	Snake River	Summit	5 s. 76	3.44	Oct. 26, 1872	16 00
142	Lake Superior	2	Griffith	Clear Creek	4 s. 74	1.0069	Aug. 17, 1873	16 00
143	N. W. Silver Mining Company mill-site	2	do	do	4 s. 74	2.066	Aug. 17, 1873	16 00
144	Antelope	2	do	do	4 s. 75	1.60	Aug. 17, 1873	16 00
145	Congress	2	do	do	3 s. 74	0.83	Aug. 17, 1873	16 00
146	Scotia	2	do	do	4 s. 75	0.52	Nov. 23, 1872	16 00
148	Ground-Hog	2	do	do	4 s. 75	1.29	Oct. 26, 1873	16 00
149	Cynosure	2	do	do	4 s. 74	1.60	Aug. 27, 1873	16 00
151	Andrew Lowe	2	Cascade	do	4 s. 74	1.58	Dec. 31, 1872	16 00
152	Windsor Castle	2	Montana	do	3 s. 73	0.807	Nov. 7, 1872	16 00
153	Svansee	2	do	do	3 s. 73	1.72	Nov. 1, 1872	16 00
154	John J. Roe	2	Griffith or Queens	do	4 s. 75	0.8	Sept. 11, 1872	16 00
155	Albro	2	Morris	do	3 s. 75	0.23	Jan. 24, 1873	16 00
156	Willow	2	Griffith	do	4 s. 74	3.10	Oct. 14, 1872	16 00
157	Rio Grande	2	do	do	4 s. 75	1.6	Oct. 26, 1872	16 00
158	Legal Tender	2	Montana	do	3 s. 73	1.72	Feb. 6, 1873	16 00
159	Potosi	2	Idaho	do	3 s. 72	1.572	Oct. 15, 1872	16 00
160	Mountain Maid	2	Queens	do	4 s. 73	0.80	Dec. 16, 1872	16 00
161	Golle	2	Griffith	do	4 s. 74	3.44	Jan. 3, 1873	16 00
162	Charter Oak	2	do	do	4 s. 73	3.40	Nov. 11, 1872	16 00
163	Silver Bluff	2	Cascade	do	4 s. 73	3.16	Nov. 11, 1872	16 00
164	Alps	2	do	do	4 s. 73	3.33	Oct. 24, 1872	16 00
165	Grant	2	do	do	4 s. 73	1.60	Oct. 24, 1872	16 00
166	Lebanon Mining Company mill-site	2	do	do	4 s. 73	5.00	Nov. 13, 1872	16 00
167	Plebeian	2	Griffith	do	3 s. 74	3.44	Nov. 12, 1872	16 00
168	Cape Horn	2	do	do	4 s. 75	1.24	Sept. 9, 1872	16 00
169	South American	2	do	do	4 s. 74	1.5	Oct. 26, 1872	16 00
170	Lake	2	Idaho	do	3 s. 73	3.31	Sept. 16, 1872	16 00
171	Atlantic	2	Queens	do	4 s. 75	1.65	Sept. 9, 1872	16 00
172	Duanderberg	2	Griffith	do	4 s. 75	3.02	Nov. 14, 1872	16 00
174	Specia	2	Queens	do	4 s. 75	1.07	Jan. 13, 1873	16 00
176	Dora	2	do	do	4 s. 75	1.72	Feb. 11, 1873	16 00
177	Washington	2	do	do	4 s. 75	1.72	Feb. 11, 1873	16 00

178	Sacramento	2	Griffith	3.44	Nov. 23, 1872	16 00
179a	Winklow	2	do	1.91	Dec. 11, 1872	16 00
179b	Winklow mill-site	2	do	4.65	Dec. 11, 1872	16 00
180	Live Yankee Extension	2	do	3.44	Nov. 9, 1872	16 00
181	Stork	2	Montana	1.88	Nov. 14, 1872	16 00
184	St. Joe	2	do	1.71	Nov. 12, 1872	16 00
185	Indigo	2	Griffith	0.8	Nov. 19, 1872	16 00
186	J. Schoolfield placer	2	do	4.874	Sep. 19, 1872	16 00
187	Uniform	2	Iowa	3.873	Oct. 25, 1872	16 00
188	James Dunn placer	2	do	3.44	Nov. 26, 1872	16 00
189	Benton	2	do	10.93	Nov. 6, 1872	16 00
190	a Cook	2	Griffith or Queens	1.83	Oct. 22, 1872	16 00
190	b Cook mill-site	2	Spanish Bar	3.873	Oct. 22, 1872	16 00
191	Anoka	2	do	0.4	Oct. 22, 1872	16 00
192	Elizabeth	2	do	3.873	Oct. 22, 1872	16 00
193	Gilpin	2	Griffith	1.10	Oct. 22, 1872	16 00
194	Cliff	2	do	1.56	Oct. 30, 1872	16 00
195	Fairmont and mill-site	2	do	3.44	Oct. 30, 1872	16 00
196	Sweepstakes	2	Spanish Bar	6.72	Nov. 6, 1872	16 00
197	Gun-boat	2	Griffith	1.83	Nov. 6, 1872	16 00
198	Comstock	2	Queens or Griffith	0.3	Feb. 17, 1873	16 00
199	Fingal	2	Downsville	3.874	Nov. 4, 1872	16 00
200	Dankirk	2	Griffith	1.60	Nov. 9, 1872	16 00
201	James A. Gage	2	do	0.81	Nov. 11, 1872	16 00
203	Blue Ridge	2	do	4.875	Dec. 31, 1872	16 00
204	Hidden Treasure	2	do	4.873	Dec. 31, 1872	16 00
205	Queen	2	Montana	3.45	Oct. 29, 1872	16 00
206	Simpson	2	Griffith	0.71	Oct. 29, 1872	16 00
207	Jenks	2	Idaho	4.62	Nov. 25, 1872	16 00
208	Unicoon	2	Morris	1.83	Nov. 25, 1872	16 00
209	Bell Weather	2	do	3.873	Dec. 12, 1872	16 00
210a	Silver Ore	2	do	3.873	Dec. 12, 1872	16 00
210b	Silver Ore mill-site	2	do	1.71	Jan. 6, 1873	16 00
211	Big Gun	2	do	1.82	Jan. 6, 1873	16 00
212	John J. Roe	2	Queens or Griffith	0.24	Nov. 21, 1872	16 00
213	Broadway	2	do	3.06	Dec. 27, 1872	16 00
214	Ni Wot	2	Griffith	1.72	Mar. 12, 1873	16 00
216	Leslie	2	Queens or Griffith	0.80	Dec. 18, 1872	16 00
217	Richland	2	do	1.60	Dec. 18, 1872	16 00
218	Paymaster	2	do	1.60	Nov. 4, 1872	16 00
219	R. E. Demmon	2	do	2.20	Nov. 4, 1872	16 00
220	Bullion	2	Snake River	1.72	Nov. 19, 1872	16 00
221	Rob Roy	2	do	1.72	Nov. 29, 1872	16 00
222	Vesper	2	Clear Creek	0.80	Dec. 28, 1872	16 00
223	Santa Fe	2	do	1.51	Feb. 15, 1873	16 00
224	Erskine McClellan	2	Griffith	0.80	Dec. 31, 1872	16 00
225	do	2	do	1.60	Nov. 22, 1872	16 00
226	A. S. Burnett et al. placer	2	Argentine	1.72	Dec. 16, 1872	16 00
227	Matilda Fletcher	2	Griffith	1.72	Dec. 16, 1872	16 00
228	Polar Star	2	do	1.12	Nov. 21, 1872	16 00
229	Saco	2	do	1.14	Nov. 27, 1872	16 00
230	do	2	Spanish Bar	13.59	Dec. 26, 1872	16 00
231	do	2	Upper Union	1.60	Dec. 13, 1872	16 00
232	do	2	do	1.49	Dec. 9, 1872	16 00
233	do	2	Griffith	0.80	Dec. 4, 1872	16 00

REPORT OF THE COMMISSIONER OF

C.—Statement showing the number and names of mining-claims, together with the area, and amount deposited for office expenses, &c.—Continued.

No. of lode.	Name of lode.	No. of district.	Name of district.	County.	Township.	Area in acres.	Approved.	Amount deposited for office-work.
230	Dead Rabbit.....	2	Union	Clear Creek	3 & 74	0.80	Dec. 16, 1872	16 00
233	Merrimac.....	2	Griffith	do	4 & 74	1.01	Dec. 21, 1872	10 00
234	John Hickey.....	2	do	do	4 & 74	1.60	Dec. 27, 1872	10 00
235	Season Extension.....	2	Idaho	do	3 & 73	2.44	Dec. 19, 1872	16 00
236	C. C. Welch placer.....	2	do	do	3 & 73	2.15	Dec. 19, 1872	16 00
237	Muscovite.....	2	Griffith	do	3 & 74	0.52	Dec. 16, 1872	16 00
242	Rumfordt.....	2	Upper Union	do	3 & 74	2.26	Feb. 12, 1873	16 00
244	C. B. Kountze mill-site.....	2	Griffith	do	3 & 74	1.06	Jan. 22, 1873	16 00
245	Verde.....	2	do	do	4 & 74	1.97	Jan. 22, 1873	16 00
246	Highland Mary.....	2	do	do	4 & 74	1.97	Jan. 15, 1873	16 00
249	Charlie Jones.....	2	do	do	4 & 75	0.80	Dec. 23, 1872	16 00
250	Plymouth and mill-site.....	2	Queens or Griffith	do	4 & 75	0.80	Dec. 23, 1872	16 00
251	Rail Wagon.....	2	Griffith	do	4 & 75	0.80	Feb. 7, 1873	16 00
253	William B. Astor.....	2	do	do	4 & 75	0.68	Feb. 7, 1873	16 00
253	do	2	Griffith and Upper Union	do	4 & 75	1.60	Dec. 22, 1872	16 00
254	Astor Extension.....	2	Griffith	do	4 & 74	1.60	Jan. 2, 1873	16 00
254	Tropic.....	2	do	do	4 & 74	1.18	Feb. 5, 1873	16 00
255	Denver.....	2	do	do	4 & 75	1.78	Jan. 15, 1873	16 00
256	Ball-Dog.....	2	do	do	4 & 75	0.69	Feb. 7, 1873	16 00
257	O. K.....	2	do	do	4 & 74	0.75	Feb. 10, 1873	16 00
259	Cuba.....	2	do	do	4 & 74	1.23	Feb. 1, 1873	16 00
260	Munsell.....	2	do	do	4 & 74	3.96	Feb. 15, 1873	16 00
261	Colorado Central.....	2	do	do	4 & 74	1.57	Feb. 22, 1873	16 00
262	Lone Tree.....	2	Griffith or Argentine	do	4 & 74	1.04	Feb. 7, 1873	16 00
263	Dora.....	2	Idaho	do	3 & 73	1.19	Feb. 21, 1873	16 00
265	National Bank.....	2	Lincoln	do	3 & 74	1.72	Feb. 14, 1873	16 00
266	Simpson.....	2	Griffith	do	4 & 74	1.42	Feb. 18, 1873	16 00
267	Elephant.....	2	do	do	4 & 74	1.06	Feb. 17, 1873	16 00
268	William Lee.....	2	Queens or Griffith	do	4 & 75	1.63	Apr. 1, 1871	16 00
269	Tenth Legion and mill-site.....	2	Upper Union	do	3 & 74	0.83	May 10, 1873	16 00
270	Young America.....	2	Downsville	do	3 & 74	1.73	Mar. 8, 1873	16 00
271a	Plymouth Rock.....	2	Cascade	do	4 & 73	3.44	Apr. 19, 1873	16 00
271b	Plymouth Rock mill-site.....	2	do	do	4 & 73	4.30	Apr. 19, 1873	16 00
272	Monitor.....	2	do	do	4 & 73	2.87	Apr. 19, 1873	16 00
273	Onondaga Chief.....	2	do	do	4 & 74	1.60	Apr. 19, 1873	16 00

274	Marshall Tunnel No. 7	Griffith	do	4 s. 74	1.11	Apr. 1, 1873	16 00
275	Marshall Tunnel No. 8	do	do	4 s. 74	0.83	Apr. 1, 1873	16 00
276	Lawrence Wells mill-site	Upper Union	do	3 s. 74	5.00	Apr. 22, 1873	16 00
277	J. W. O'Bryan placer	Griffith	do	3 s. 74	20.00	Mar. 31, 1873	16 00
278	Junction	do	do	3 s. 74	0.71	Mar. 3, 1873	16 00
280	John Edwards placer	Jackson	do	3 s. 73	17.94	Mar. 18, 1873	16 00
281	Kangaroo No. 2	Idaho	do	3 s. 75	1.148	Mar. 18, 1873	16 00
283	Daniel Appels	Grass Valley	do	3 s. 73	9.06	Mar. 6, 1873	16 00
284	Sterling	Griffith	do	4 s. 74	3.96	Apr. 21, 1873	16 00
285	Cascade	do	do	3 s. 74	1.60	Mar. 10, 1873	16 00
286	Crockett	Idaho	do	3 s. 73	0.73	Mar. 24, 1873	16 00
287	Cooper & Vance	Iowa	do	3 s. 73	15.35	Mar. 24, 1873	16 00
288	General Jackson	Idaho	do	3 s. 73	1.03	Apr. 18, 1873	16 00
289	Wapp & Bowdoin placer	Spanish Bar	do	3 s. 73	10.83	Apr. 5, 1873	16 00
290	Whale	do	do	3 s. 73	2.19	Apr. 7, 1873	16 00
291	Bell Tunnel No. 1	do	do	4 s. 74	1.08	Apr. 21, 1873	16 00
292	Wilson & Cass mill-site and water-power	do	do	4 s. 74	5.00	Mar. 26, 1873	16 00
293	Commonwealth	Montana	do	3 s. 73	0.80	Apr. 14, 1873	16 00
294	Kangaroo	Idaho	do	3 s. 73	1.72	Apr. 14, 1873	16 00
295	D. Feuvre placer	Grass Valley	do	3 s. 73	16.80	Apr. 23, 1873	16 00
298	Dead Broke	do	do	4 s. 75	0.34	Apr. 23, 1873	16 00
300	John B. Lewis placer	Grass Valley	do	3 s. 73	9.81	May 24, 1873	16 00
301	R. Old's mill-site and water-power	Grass Valley	do	4 s. 75	5.00	Apr. 24, 1873	16 00
302	J. P. Sims placer	do	do	3 s. 73	10.87	Apr. 8, 1873	16 00
303	L. H. Arthur	Grass Valley and Ohio	do	3 s. 73	19.95	Apr. 23, 1873	16 00
304	Empover	do	do	4 s. 74	1.73	May 17, 1873	16 00
305	Philadelphia	Empire	do	3 s. 73	5.00	June 17, 1873	16 00
306	W. F. Doherty	Ohio and Grass Valley	do	3 s. 73	4.75	May 12, 1873	16 00
307	Dives	Griffith	do	4 s. 75	0.39	Apr. 9, 1873	16 00
309	John Howard placer	Ohio	do	3 s. 73	19.30	May 14, 1873	16 00
311	E. Faunce mill-site	do	do	4 s. 75	5.00	Apr. 25, 1873	16 00
312	Capital	Griffith	do	3 s. 74	3.32	May 22, 1873	16 00
313	Rowman	Montana	do	4 s. 74	0.67	May 7, 1873	16 00
314	Winnebago	Argentine or Griffith	do	4 s. 74	1.78	Apr. 30, 1873	16 00
316	W. F. Doherty placer	Grass Valley	do	3 s. 73	11.78	May 13, 1873	16 00
318	Reynolds	do	do	4 s. 74	1.47	May 5, 1873	16 00
319	Griffith	do	do	4 s. 74	0.34	May 22, 1873	16 00
320	Silver	do	do	4 s. 74	0.57	May 24, 1873	16 00
321	Cass County	do	do	4 s. 74	0.81	May 24, 1873	16 00
322	L. Wells mill-site and water-power	Upper Union	do	3 s. 74	4.76	June 25, 1873	16 00
323	Stewart Silver Reducing Company's mill-site No. 1	Griffith	do	4 s. 74	3.34	June 25, 1873	16 00
324	Stewart Silver Reducing Company's mill-site No. 2	do	do	4 s. 74	4.09	June 25, 1873	16 00
325	Marshall Silver Mining Company Tunnel No. 5	do	do	4 s. 74	1.09	May 30, 1873	16 00
326	Marshall Silver Mining Company Tunnel No. 6	do	do	4 s. 74	1.09	May 30, 1873	16 00
327	Amboy	Downsville	do	4 s. 74	1.6	June 9, 1873	16 00
328	Hawatha Gold and Silver Mining Company placer	Morris	do	3 s. 73	23.00	July 1, 1872	16 00
331	Phillips	Buckskin Joe	do	3 s. 73	79.36	Nov. 13, 1872	16 00
55	W. H. Morgan & Co. placer	Park	do	(*)			
56		Lake	do	(*)			

\* Unsurveyed.



C.—Statement showing the number and names of mining-claims, together with the area, and amount deposited for office expenses, &c.—Continued.

No. of lode.	Name of lode.	No. of district	Name of district.	County.	Township.	Area in acres.	Approved.	Amount deposited for office work.
59	Wilson	3	Consolidated Montgomery	Park	(s)	2	Jan. 6, 1873	\$16 00
60	Hiawatha	3	do	do	(s)	3.44	Jan. 20, 1873	16 00
61	Baker	3	do	do	(s)	2.07	Jan. 20, 1873	16 00
62	Arkansas River Mining and Fluing Company placer	3	do	Lake	(s)	118.51	Oct. 14, 1872	16 00
63	Goss & Treeweeks placer	3	Buckskin Joe	Park	9 s. 78	23.98	May 31, 1873	16 00
72	Dolly Varden	3	Consolidated Montgomery	do	(s)	1.72	Jan. 10, 1873	16 00
73	J. A. Thatcher placer	3	do	do	(s)	57.68	Jan. 20, 1873	16 00
80	Harris	3	do	do	(s)	2.41	Jan. 20, 1873	16 00
81	Henry Paul et al. (placer claim)	3	do	do	(s)	160.00	Jan. 20, 1873	16 00
82	Chataque	3	Snake River	Summit	0 s. 76	3.44	Nov. 29, 1872	16 00
89	Hall & Morse placer	3	Consolidated Montgomery	Park	(s)	38.28	Jan. 20, 1873	16 00
90	William Leibelt placer	3	Tarryall	do	(s)	16.05	Jan. 3, 1873	16 00
91	Leftwick	3	Hall Gulch	do	(s)	1.72	Feb. 8, 1873	16 00
92	Mineral	3	Tarryall	do	(s)	1.26	Feb. 11, 1873	16 00
93	Moose	3	Consolidated Montgomery	do	(s)	3.44	Mar. 12, 1873	16 00
42	Poor Man	4	do	Boulder	1 s. 73	1.61	Dec. 2, 1872	16 00
43	Boulder County	4	do	do	1 s. 73	0.66	Dec. 3, 1872	16 00
45	Phoenix	4	Gold Hill	do	1 n. 71	1.72	Nov. 1, 1872	16 00
46	Mount Vernon	4	Grand Island	do	1 s. 73	1.66	Nov. 4, 1872	16 00
47	Douglas	4	do	do	1 s. 73	1.66	Nov. 7, 1872	16 00
48	Potosi	4	do	do	1 s. 73	2.294	Jan. 15, 1873	16 00
49	McCarty	4	do	do	1 s. 73	1.606	Nov. 4, 1872	16 00
50	Red Cloud	4	do	do	1 n. 72	1.606	Nov. 14, 1872	16 00
51	Great Republic	4	Grand Island	do	1 s. 73	1.722	Nov. 15, 1872	16 00
52	Comstock	4	do	do	1 s. 73	1.606	Nov. 15, 1872	16 00
53	Seven-Thirty	4	Gold Hill	do	1 n. 72	1.722	Nov. 15, 1872	16 00
54	Arizona	4	Grand Island	do	1 s. 73	1.606	Nov. 27, 1872	16 00
55	Ontano	4	do	do	1 s. 73	1.606	Nov. 5, 1872	16 00
56	Leet	4	do	do	1 s. 73	1.606	Dec. 30, 1872	16 00
57	Orrington	4	do	do	1 s. 73	1.606	Dec. 30, 1872	16 00
58	Magnolia	4	do	do	1 s. 73	1.38	Jan. 8, 1873	16 00
59	Trojan and mill-site	4	do	do	1 s. 73	2.75	Feb. 13, 1873	16 00
60	Emmet	4	Gold Hill	do	1 n. 72	1.722	Jan. 3, 1873	16 00
61	Grand Island	4	Grand Island	do	1 s. 73	1.606	Jan. 18, 1873	16 00
62	Cash	4	Gold Hill	do	1 n. 72	1.722	Jan. 4, 1873	16 00
63	Stoughton	4	Ward	do	1 n. 73	0.573	Jan. 14, 1873	16 00
64	Dana	4	Gold Hill	do	1 n. 71	1.722	Jan. 18, 1873	16 00
65	Maxwell	4	do	do	1 n. 72	1.722	Jan. 11, 1873	16 00
66	Knox	4	do	do	1 n. 72	1.722	Jan. 13, 1873	16 00

67	Cornal	4	Grand Island	do	1 s. 73	1 607	Feb. 8, 1873	16 00
68	Feabody	4	do	do	1 s. 73	1 15	Feb. 8, 1873	16 00
68a	Keystone	4	Gold Hill	do	1 s. 73	1 724	Feb. 10, 1873	16 00
68b	Keystone mill-site	4	do	do	1 n. 72	3 06	Feb. 10, 1873	16 00
70	Fifty-nine	4	do	do	1 n. 72	3 44	Feb. 10, 1873	16 00
71	Seven-Thirty	4	Grand Island	do	2 s. 73	8 95	Feb. 27, 1873	16 00
72	Big Thing	4	Central	do	2 n. 72	1 607	Feb. 27, 1873	16 00
73	Mount Pleasant	4	do	do	2 n. 72	1 607	Feb. 27, 1873	16 00
74a	Emily	4	do	do	2 n. 71	4 70	Mar. 4, 1873	16 00
74b	Emily mill-site	4	do	do	2 n. 71	19 04	Mar. 4, 1873	16 00
75	E. W. Cobb	4	do	do	2 n. 71	1 035	Mar. 15, 1873	16 00
76	Kahmazoo	4	Grand Island	do	1 s. 73	1 16	Mar. 24, 1873	16 00
77	No Name	4	do	do	2 s. 73	90 00	Mar. 24, 1873	16 00
78	E. L. Higbee placer	4	Central	do	1 n. 71	1 73	Mar. 24, 1873	16 00
79	Bacon	4	Sugar Loaf	do	1 n. 72	1 835	Mar. 28, 1873	16 00
80	White Cross	4	do	do	1 n. 72	1 73	Mar. 28, 1873	16 00
81	White Blossom	4	do	do	1 n. 72	1 73	Mar. 28, 1873	16 00
82	Wilder	4	do	do	1 n. 72	1 73	Apr. 3, 1873	16 00
83	Nation	4	do	do	1 n. 72	5 00	Apr. 3, 1873	16 00
83a	National mill-site	4	do	do	1 n. 72	2 39	May 5, 1873	16 00
84	Kero	4	Gold Hill	do	1 s. 73	1 15	Mar. 25, 1873	16 00
85	Yero	4	Grand Island	do	1 s. 73	19 86	Apr. 25, 1873	16 00
86	Aaron Road placer	4	Boulder	do	1 n. 71	20 00	Apr. 25, 1873	16 00
87	C. Thomas placer	4	do	do	1 n. 71	1 72	May 3, 1873	16 00
88	Shiloh	4	do	do	1 n. 72	1 72	May 3, 1873	16 00
89	Lindley	4	Sugar Loaf	do	1 n. 72	1 09	May 26, 1873	16 00
90	Federal	4	Grand Island	do	1 s. 73	1 6	June 4, 1873	16 00
91	Extension	4	do	do	1 s. 73	1 28	May 26, 1873	16 00
92	Sherman	4	do	do	1 s. 73	3 3	June 2, 1873	16 00
93	Conger	4	do	do	1 s. 73	2 91	June 13, 1873	16 00
94a	Conger mill-site	4	do	do	1 s. 73	0 984	June 16, 1873	16 00
95	Black Warrior	4	do	do	1 s. 73	2 59	June 30, 1873	16 00
96	Idaho and mill-site	4	do	do	1 s. 73	1 45	June 23, 1873	16 00
97	Gray Eagle	4	do	do	1 s. 73	1 45	June 23, 1873	16 00

\* Unsurveyed.

D.—Statement showing the number of townships surveyed during the fiscal year ending June 30, 1873, and the area in acres of public land contained in the same.

Township.	Range.	Area.	Township.	Range.	Area.
11 north	45 west	2,597.54	13 south	57 west	23,274.34
10 north	46 west	23,032.76	11 south	58 west	23,070.30
11 north	46 west	16,832.60	19 south	58 west	23,006.32
10 north	47 west	23,034.87	13 south	58 west	22,959.70
11 north	47 west	23,048.12	15 south	58 west	23,037.12
10 north	48 west	22,960.40	16 south	58 west	22,274.94
7 north	52 west	22,999.13	11 south	59 west	23,073.03
8 north	52 west	23,732.92	19 south	59 west	23,152.99
5 north	54 west	22,939.97	23 south	59 west	6,915.99
9 north	56 west	23,051.97	19 south	60 west	23,143.19
9 north	59 west	23,103.41	60 west	60 west	23,201.76
9 north	60 west	23,101.46	13 south	61 west	22,917.77
6 north	61 west	23,109.77	13 south	61 west	22,962.25
7 north	62 west	23,030.19	14 south	61 west	23,063.58
7 north	62 west	22,894.92	16 south	61 west	22,695.49
8 north	62 west	22,894.54	13 south	62 west	22,973.31
7 north	63 west	23,009.59	14 south	62 west	22,910.05
8 north	63 west	22,811.77	14 south	62 west	22,960.26
3 north	65 west	23,037.63	16 south	62 west	22,812.29
4 north	65 west	22,964.34	17 south	62 west	22,951.41
4 north	68 west	22,990.43	19 south	62 west	23,124.08
10 north	68 west	22,943.36	18 south	63 west	23,170.88
9 north	69 west	23,109.96	19 south	63 west	23,139.04
10 north	69 west	23,148.32	34 south	63 west	13,734.45
23 south	42 west	22,973.04	20 south	64 west	569.85
23 south	43 west	22,974.06	34 south	64 west	23,016.42
23 south	45 west	22,894.61	30 south	65 west	2,351.02
23 south	46 west	22,993.31	32 south	66 west	22,891.19
14 south	47 west	23,015.37	35 south	66 west	22,869.46
15 south	47 west	22,945.27	15 south	67 west	14,744.64
14 south	48 west	22,043.96	16 south	67 west	21,979.96
15 south	48 west	22,994.64	10 south	68 west	23,098.86
23 south	48 west	22,795.43	13 south	68 west	23,142.15
14 south	49 west	23,065.05	18 south	68 west	23,069.73
15 south	49 west	23,032.61	21 south	68 west	22,799.93
23 south	49 west	22,140.09	7 south	69 west	16,701.36
23 south	49 west	21,039.10	8 south	69 west	23,594.97
24 south	49 west	22,604.24	22 south	69 west	23,051.58
25 south	49 west	22,824.27	2 south	70 west	3,382.80
13 south	50 west	23,045.99	8 south	70 west	23,052.13
14 south	50 west	23,045.68	17 south	70 west	23,044.68
23 south	50 west	21,721.93	6 south	71 west	23,713.27
13 south	51 west	22,960.58	8 south	71 west	23,421.67
14 south	51 west	23,053.22	17 south	71 west	23,068.04
13 south	52 west	22,976.79	7 south	72 west	21,303.05
14 south	52 west	22,939.53	8 south	72 west	22,616.08
22 south	52 west	22,590.74	5 south	73 west	23,133.37
22 south	53 west	22,923.31	7 south	73 west	23,055.64
23 south	55 west	21,332.46	21 south	73 west	23,040.20
29 south	56 west	23,039.65	11 south	76 west	22,891.50
11 south	57 west	22,688.07	11 south	77 west	22,953.98
12 south	57 west	22,844.25			

Surveys north and east of the New Mexican meridian.

40 north	4 east	22,986.21	46 north	8 east	23,200.01
40 north	5 east	22,984.69	45 north	9 east	23,024.41
40 north	6 east	22,992.14	47 north	9 east	22,973.56
39 north	7 east	22,905.91	45 north	10 east	23,045.78
39 north	8 east	22,962.21	46 north	10 east	23,122.60

E.—Statement of amount paid surveyor-general and clerks in his office for the fiscal year ending June 30, 1873, and incidental expenses for the same period.

Date.	To whom paid.	Amount.	Date.	Appropriation.	Amount.
1872.			1872.	By appropriation of .....	\$9,300 00
Sept. 30	W. H. Lessig, surveyor-general .....	\$750 00	Sept. 30	By special deposit on account of mining-claims.	96 00
	E. M. Ashley, chief clerk .....	450 00	Dec. 31	By special deposit on account of mining-claims.	800 00
	E. W. Cobb, computing clerk .....	375 00	Mar. 31	By special deposit on account of mining-claims.	1,120 00
	Charles Jacobs, draughtsman .....	375 00	June 30	By special deposit on account of mining-claims.	1,440 00
	W. T. McLaughlin, transcribing clerk .....	250 00		By special deposit on account of townships surveyed for 1873 .....	1,197 00
Dec. 31	H. L. Thayer, transcribing clerk .....	93 75		By balance of special deposits for year ending June 30, 1872 .....	616 70
	W. H. Lessig, surveyor-general .....	750 00			
	E. M. Ashley, chief clerk .....	450 00			
	E. W. Cobb, computing clerk .....	375 00			
	Charles Jacobs, draughtsman .....	375 00			
	B. H. Smith, draughtsman .....	285 32			
	J. H. Bonsall, draughtsman .....	375 00			
	W. T. McLaughlin, transcribing clerk .....	375 00			
	B. K. Kimberly, transcribing clerk .....	126 35			
1873.					
Mar. 31	W. H. Lessig, surveyor-general .....	750 00			
	E. M. Ashley, chief clerk .....	450 00			
	E. W. Cobb, computing clerk .....	375 00			
	Charles Jacobs, draughtsman .....	375 00			
	B. H. Smith, draughtsman .....	375 00			
	I. H. Bonsall, draughtsman .....	375 00			
	W. T. McLaughlin, transcribing clerk .....	375 00			
	B. K. Kimberly, transcribing clerk .....	375 00			
June 30	W. H. Lessig, surveyor-general .....	750 00			
	E. M. Ashley, chief clerk .....	450 00			
	E. W. Cobb, computing clerk .....	375 00			
	Charles Jacobs, draughtsman .....	375 00			
	B. H. Smith, draughtsman .....	375 00			
	J. H. Bonsall, draughtsman .....	375 00			
	W. T. McLaughlin, transcribing clerk .....	375 00			
	John B. Cromwell, transcribing clerk .....	309 07			
	B. K. Kimberly, transcribing clerk .....	309 07			
	Isadore Dooley, transcribing clerk .....	61 81			
	Balance .....	1,959 33			
		14,569 70			14,569 70
	INCIDENTAL EXPENSES.				
1872.			1872.	By appropriation .....	\$2,000 00
Sept. 30	To expenses 3d quarter, 1872 .....	\$676 62	1873.		
Dec. 31	To expenses 4th quarter, 1872 .....	537 76	June 30	By special deposit on account of township surveys .....	600 00
1873.				By balance from last year .....	16 18
Mar. 31	To expenses 1st quarter, 1873 .....	644 31			
June 30	To expenses 2d quarter, 1873 .....	523 63			
	Balance .....	233 86			
		2,616 18			2,616 18

F.—Estimate of appropriation for survey of public land in Colorado for the fiscal year ending June 30, 1875, for salaries of surveyor-general and clerks in his office, and office and incidental expenses for the same period.

For survey of 300 miles of standard lines, at \$15 per mile .....	\$4,500
For 3,000 miles of township-lines, at \$12 per mile .....	36,000
For 9,000 miles of subdivisonal lines, at \$10 .....	90,000
<b>Total</b> .....	<b>130,500</b>
For salary of surveyor-general .....	\$3,000
For salary of chief clerk .....	1,800
For salary of draughtsman .....	1,500
For salary of assistant draughtsman .....	1,500
For salary of computing clerk .....	1,500
For salary of two transcribing clerks .....	3,000
	<b>12,300</b>
For office expenses, rent, stationery, incidental expenses, &c .....	\$3,000

I.—*Report of the surveyor-general of Montana.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Helena, Mont., August 16, 1873.

SIR: I have the honor to transmit herewith the usual annual report of this office, with accompanying statements, in duplicate, for the fiscal year ending June 30, 1873, to wit:

- A.—Showing condition of appropriation for surveys of public lands in Montana for the fiscal year ending June 30, 1873.
- B.—Showing amount of special deposits made for field and office work on mining-claims in Montana Territory for the fiscal year ending June 30, 1873.
- C.—Showing list of lands surveyed in Montana since June 30, 1872.
- D.—Showing condition of surveys contracted for by the surveyor-general of Montana, under appropriation by Congress for the fiscal year ending June 30, 1873.
- E.—Showing condition of appointments for mineral surveyors.
- F.—Showing the number of township-plats and descriptive lists of land, soil, timber, and corners, furnished the Helena land-office since June 30, 1872.
- G.—Showing condition of appropriation for clerks in surveyor-general's office of Montana for the fiscal year ending June 30, 1873.
- H.—Showing condition of salary of surveyor-general of Montana.
- I.—Showing condition of appropriation for the incidental expenses of surveyor-general's office.
- J.—Showing amount of special deposits made for the survey of public lands in Montana since June 30, 1872.
- K.—Showing the number of plats made in the office of the United States surveyor-general during the fiscal year ending June 30, 1873.
- L.—Showing the total amount of land surveyed in Montana up to June 30, 1873.
- M.—Showing the number of linear miles surveyed, the rates per mile, and the total cost of the surveys, during the fiscal year ending June 30, 1873.
- N.—Giving names, nativity, &c., of surveyor-general and clerks in his office.
- O.—Estimate for the surveying service in the district of Montana for the fiscal year ending June 30, 1873.

## SURVEYS.

The appropriation of \$50,000 for the survey of public lands in this Territory during the last fiscal year has been all expended except a balance of \$26.86. Two special surveys of agricultural land were made for individuals under the deposit system for \$200 and \$550 respectively.

Meridian and standard lines have been extended and established as follows: The Bitter Root guide-meridian between ranges 20 and 21 west, through townships 5, 6, 7, and 8 north; the Teton guide-meridian between ranges 6 and 7 west, through townships 22, 23, 24, 25, and 26 north; the Flathead guide-meridian between ranges 19 and 20 west, with offsets to range 21 west, to one township north of the seventh standard parallel north; the base line through range 15 west; the Big Hole guide-meridian between ranges 14 and 15 west, through townships 1, 2, 3, and 4 south; the Deer Lodge guide-meridian between ranges 9 and 10 west, through township 5 south; the third standard parallel north, through range 3 west, three and a half miles; the fourth standard north, through range 6 west, two miles; the fifth standard north, through range 8 west, one and a half miles; the Blackfoot guide-meridian between ranges 11 and 12 west, through townships 13 and 14 north; the first standard north, between ranges 20 and 21 west, through townships 5, 6, 7, and 8 north; the sixth standard north, through ranges 2, 3, 4, 5, 6, and 7 west; the sixth standard north, through ranges 21, 22, 23, 24, 25, and part of 26 west; fifth standard north, through range 20 west; the seventh standard north, through ranges 21 and 22 west; the second standard south, through ranges 10, 11, 12, and 13 west.

In addition to the meridian and standard lines, ninety-four townships in the different valleys have been surveyed and proper returns made of the same to the General Land-Office, and the duplicate plats and the regular descriptive lists of land, soil, timber, and corners, filed in the Helena land-office, as per statement F, herewith inclosed.

## OFFICE-WORK.

During the year there have been drawn in this office 32 diagrams of standard lines, 40 of township-lines, 416 maps of mineral claims, 20 for use of deputy surveyors; 72 supplemental maps of townships made fractional by mineral claims, 232 regular township-maps, one contract and two general plats of the Territory, amounting in all to 865. Outside of these, several diagrams and copies of maps have been furnished certain officers and citizens, through courtesy.

During the year there have been run and established the following number of lineal miles of surveys:

Meridian-lines, 186 miles 65 chains 53 links; base-line, 6 miles 0 chains 0 links; standard-lines, 124 miles 78 chains 32 links; township-lines, 550 miles 43 chains 80 links; section-lines, 3,823 miles 13 chains 22 links; meander-lines, 36 miles 62 chains 11 links, amounting in the aggregate to 4,728 miles 22 chains and 98 links.

The notes of these surveys, as established, received critical examination in this office before approval, and were found, as far as is possible to determine from them, to conform to the laws of the United States and my special instructions; they were properly transcribed, and the copies carefully compared with the original notes and transmitted to the General-Land-Office with the triplicate plats; the original notes and plats remaining on file in this office for future reference.

The total cost of the field-work of the above-named surveys was \$51,731.72, and office-work \$9,000, making an aggregate amount of \$60,731.72. The total acres surveyed, including mineral claims, during the year, is 1,475,357.05, being an increase over last year of 382,382.28 acres, and the cost per acre of this year's surveys is a fraction over 4 $\frac{1}{2}$  cents, being .13 of a cent per acre less than last year, and .29 of a cent less than in 1871. The public land surveyed in Montana this fiscal year will, when sold, bring in a revenue to the Government of \$1,844,193. The projection of the surveys on the lithograph map will more fully show the extent, direction, and location of the work above mentioned. The total number of acres surveyed in this Territory since the inception of the public surveys in this district foots up 4,731,685.56, including mineral claims on unsurveyed land, as shown by statement L.

#### MINERAL SURVEYS.

There have been 104 mineral surveys and deposits made for mineral claims since my last report, and the proper returns executed and filed according to law and instructions, being an increase of 86 over last year.

The special deposits for office-work on mineral claims amount to \$3,420. There were no special deposits for mineral field-work, as the new law of May 10, 1872, did away with that.

The usual routine of office-work has been gone through with, and the files and records are in as good shape as any one could desire.

Applications for surveys of mineral claims started up briskly about October, 1872, and have maintained about the same rate ever since, and have largely increased the work in this office, requiring the employment of two clerks part of the year in that department alone.

#### GOLD.

The yield of gold has steadily maintained itself, new placer-mines having been discovered, and the old ones have been worked with good success.

Quartz-mines in some parts of the Territory have yielded splendid results, the chief of which are those at Keatingville, about thirty-five miles southeast, and at Unionville, three miles southwest of Helena.

#### SILVER.

There has been more interest manifested in silver-mining this year than ever before, and some very rich and extensive deposits of this precious metal have been discovered in different localities. The Legal Tender, First National, Second National, and Mammoth lodes at Clancy, the Rumley and Australia, near Boulder, the Little Emma, Russell, Micawber, Gilmour, Lac La Belle, and Wallace, at Red Mountain, are named as a few of the very many rich leads which have been discovered during the year.

The Legal Tender was bonded lately, I am told, to an English company for \$1,000,000. Large quantities of silver ore have been shipped to the States and over to Swansea, in Wales, for reduction, and large returns have been realized. The silver-smelting works at Helena have been in operation the most of the time, but the high prices of labor, fluxes, and other material at present eat up most of the profits.

All we require is railroads to bring in immigration and capital to this country to develop our mines and resources and to prove beyond all doubt that Montana is the richest mineral region in the United States.

JOHN E. BLAINE,  
*Surveyor-General for Montana.*

Hon. WILLIS DRUMMOND,  
*Commissioner of the General Land-Office, Washington, D. C.*

## A.—Statement of condition of appropriation for surveys of public lands in Montana for the fiscal year ending June 30, 1873.

Dr.				Cr.		
No. of contract.	Date of account.	Names of contractors.	Amount.	Date.		Amount.
42	Aug. 5, 1872	To J. M. Marsh and M. Sappington.....	\$569 76	June 10, 1872	By appropriation....	\$50,000 00
42	Aug. 10, 1872	To J. M. Marsh and M. Sappington.....	2,496 71	July 6, 1872	By special deposits..	200 00
43	Sept. 5, 1872	To Seymour Nebeker and Wm. H. Baker..	4,700 08	Dec. 31, 1872	By special deposits..	550 00
47	Sept. 30, 1872	To J. E. Stedman.....	1,463 59	Mar. 3, 1873	By deficiency appropriation.....	1,008 58
42	Sept. 30, 1872	To J. M. Marsh and M. Sappington.....	4,366 69			
48	Sept. 30, 1872	To Wm. Y. Smith.....	900 00			
46	Oct. 22, 1872	To George W. Irvine and Henry C. Rohleder.....	2,424 44			
45	Oct. 22, 1872	To W. T. and D. L. McFarland.....	1,798 50			
42	Oct. 23, 1872	To J. M. Marsh and M. Sappington.....	2,553 38			
43	Oct. 26, 1872	To Seymour Nebeker and Wm. H. Baker..	4,019 29			
43	Nov. 6, 1872	To Seymour Nebeker and Wm. H. Baker..	3,667 94			
44	Nov. 15, 1872	To J. H. Thomas and A. J. Everly.....	3,098 45			
45	Dec. 12, 1872	To W. T. and D. L. McFarland.....	6,329 50			
46	Dec. 21, 1872	To George W. Irvine and H. C. Rohleder..	2,404 35			
47	Jan. 6, 1873	To John E. Stedman..	3,352 03			
46	Jan. 15, 1873	To George W. Irvine and H. C. Rohleder..	2,697 81			
44	Jan. 15, 1873	To J. H. Thomas and A. J. Everly.....	3,351 43			
19	Apr. 7, 1873	To John L. Corbett, deficiency account..	271 94			
49	Apr. 11, 1873	To D. L. McFarland, special deposit.....	550 00			
50	Apr. 15, 1873	To D. L. McFarland..	67 50			
50	May 26, 1873	To D. L. McFarland..	751 69			
33	Jan. 2, 1872	To Seymour Nebeker, deficiency accounts..	598 85			
40	Jan. 2, 1872	To Benjamin F. Marsh, deficiency accounts..	137 79			
	June 30, 1873	To balance.....	51,731 72			
			26 86			
			51,758 58			51,758 58

JOHN E. BLAINE,  
Surveyor-General.

B.—Statement of special deposits by individuals for office-work on mining-claims in Montana Territory for the fiscal year ending June 30, 1873.

Name of deputy.	Date of appointment.	Name of depositor.	No. of de- posit.	Amount of deposit.	Date of cer- tificate of deposit.	No. of cer- tificate of deposit.	Location of work.
George B. Foote.	Mar. 18, 1868	Fisher & Frohner.	1	\$25	July 6, 1872	695	Lot No. 37, township 8 north, range 3 west.
Do.	Mar. 18, 1868	Keating & Blacker.	2	25	July 26, 1872	711	Lot No. 37, township 5 north, range 1 west.
Do.	Mar. 18, 1868	do.	3	25	July 26, 1872	712	Lot No. 37, township 5 north, range 1 east.
Do.	Mar. 18, 1868	Campbell & Richards.	4	25	Aug. 6, 1872	720	Lot No. 38, township 5 north, range 1 west.
Do.	Mar. 18, 1868	John Layd and Michael Ryan.	5	25	Aug. 20, 1872	725	Lot No. 37, township 10 north, range 2 east.
Benjamin F. Marsh.	Aug. 6, 1872	Isaac B. Cutler.	6	25	Aug. 20, 1872	726	Lot No. 40, township 9 north, range 3 west.
George B. Foote.	Mar. 18, 1868	A. M. and M. M. Holler.	7	25	Sept. 20, 1872	739	Lot No. 52, townships 9 and 10 north, range 4 west.
Do.	Mar. 18, 1868	Philip Constans.	8	25	Sept. 25, 1872	742	Lot No. 47, township 9 north, range 4 west.
Do.	Aug. 6, 1872	Jonathan Dean.	9	25	Oct. 8, 1872	748	Lot No. 37, township 13 north, ranges 6 and 7 west.
Do.	Aug. 6, 1872	Stegfried Leecher and others.	10	25	Oct. 9, 1872	759	Lot No. 37, township 8 north, ranges 6 and 7 west.
Do.	Aug. 6, 1872	Leonia Derith & Co.	11	25	Oct. 14, 1872	767	Lot No. 38, township 13 north, ranges 6 and 7 west.
Do.	Mar. 18, 1868	W. B. Dunce and G. Stewart.	12	25	Oct. 11, 1872	762	Lot No. 37, township 5 north, range 6 west.
Do.	Mar. 18, 1868	Andersson, Stewart & Stewart.	13	25	Oct. 11, 1872	763	Lot No. 37, township 5 north, range 6 west.
Benjamin F. Marsh.	Aug. 6, 1872	Thomas Ford.	14	25	Oct. 15, 1872	768	Lot No. 37, township 3 north, range 10 west.
Do.	Aug. 6, 1872	T. Ford, H. E. McClary, and others.	15	25	Oct. 15, 1872	769	Lot No. 39, township 3 north, range 10 west.
Do.	Aug. 6, 1872	Dennis Driscoll.	16	25	Oct. 15, 1872	770	Lot No. 41, township 3 north, range 10 west.
Do.	Aug. 6, 1872	Ernest Miller, William Statte, Ernest Spier, and James Ehrhart.	17	25	Oct. 15, 1872	771	Lot No. 40, township 3 north, range 10 west.
Do.	Aug. 6, 1872	E. W. Moore and C. C. Housel.	18	25	Oct. 17, 1872	774	Lot No. 35, township 3 north, range 10 west.
Do.	Aug. 6, 1872	J. A. Visall, S. T. Hauser, and others.	19	25	Oct. 18, 1872	776	Lot No. 35, township 9 north, range 2 west.
Do.	Aug. 6, 1872	John Beheny, N. Hilger, and H. Phammer.	20	25	Oct. 18, 1872	777	Lot No. 39, township 10 north, range 5 west.
Do.	Aug. 6, 1872	John Murphy and R. Lawrence.	21	25	Oct. 26, 1872	784	Lot No. 38, townships 10 and 11 north, ranges 4 and 5 west.
W. W. Johnson.	Aug. 6, 1872	R. D. Leggett & Co.	22	25	Oct. 26, 1872	785	Lot No. 37 A B, township 1 south, range 8 west.
Do.	Aug. 6, 1872	do.	23	25	Oct. 26, 1872	786	Lot No. 38 A B, township 1 south, range 8 west.
Do.	Aug. 6, 1872	do.	24	25	Oct. 26, 1872	787	Lot No. 38 A B, township 1 south, range 8 west.
Do.	Aug. 6, 1872	A. J. Davis.	25	25	Oct. 30, 1872	789	Lot No. 37 A B, township 3 north, range 8 west.
Do.	Aug. 6, 1872	Edwin H. Irvine & Co.	26	25	Oct. 30, 1872	790	Lot No. 64, township 6 north, range 13 west.
Do.	Aug. 6, 1872	J. W. Hartwell and C. G. Evans & Co.	27	25	Nov. 9, 1872	796	Lot No. 37, townships 10 and 11 north, range 7 west.
Do.	Mar. 18, 1868	John Quigley and others.	28	25	Nov. 9, 1872	799	Lot No. 38, township 11 north, range 7 west.
Do.	Mar. 18, 1868	do.	29	25	Nov. 9, 1872	800	Lot No. 38, township 11 north, range 7 west.
Do.	Aug. 6, 1872	D. P. Newcomer, C. Kohrs, and W. W. Dixon.	30	25	Nov. 16, 1872	803	Lot No. 37, township 11 north, range 3 east.
Benjamin F. Marsh.	Aug. 6, 1872	Thomas Marnell, E. B. Walker, and others.	31	25	Nov. 16, 1872	805	Lot No. 40, township 9 north, range 2 east.
George B. Foote.	Mar. 18, 1868	Samuel Hrobins and John Buckingham.	32	25	Nov. 18, 1872	809	Lot No. 37, township 8 north, ranges 2 and 3 east.
B. F. Marsh.	Aug. 6, 1872	George McDonald, Johnson, and others.	33	25	Nov. 18, 1872	810	Lot No. 54 A B C, township 9 north, range 4 west.
Do.	Aug. 6, 1872	R. S. Hall.	34	25	Sept. 28, 1872	744	Lot No. 38 A B, township 10 north, range 2 and 3 east.
Do.	Mar. 18, 1868	James E. Hall.	35	25	Nov. 2, 1872	794	Lot No. 38 A B, township 3 north, range 8 west.
Do.	Mar. 18, 1868	A. J. Davis.	36	25	Nov. 16, 1872	806	Lot No. 38 A B, township 3 north, range 8 west.
W. W. Johnson.	Aug. 6, 1872	T. Marnell, E. B. Walker, and others.	37	25	Nov. 21, 1882	813	Lot No. 38, township 11 north, range 2 east.
George B. Foote.	Mar. 18, 1868	Gustavus A. Kern.	38	25	Nov. 22, 1872	814	Lot No. 37 A B C D, township 10 north, range 4 west.
W. W. Johnson.	Aug. 6, 1872	Jonathan F. Forbis.	39	25	Nov. 29, 1872	819	Lot No. 37, township 11 north, range 2 west.
B. F. Marsh.	Aug. 6, 1872	S. T. Hauser, C. Cowden, and others.	40	25	Dec. 5, 1872	832	Lot No. 37, township 11 north, range 2 west.
Do.	Aug. 6, 1872	John O'Rourke and F. R. Bill.	41	40	Dec. 6, 1872	833	Lot No. 37, township 12 north, range 8 west.

\* Deposited in First National Bank, Helena, Mont.



B.—Statement of special deposits by individuals for office-work on mining-claims in Montana Territory, &c.—Continued.

Name of deputy.	Date of appointment.	Name of depositor.	No. of de-	Amount of deposit.*	Date of certificate of deposit.	No. of certificate of deposit.	Location of work.
John M. Marsh.....	Aug. 6, 1872	A. Gerbauer and J. Anders.....	42	\$40	Dec. 11, 1872	825	Lot No. 59, township 9 north, range 4 west.
George B. Foote.....	Mar. 18, 1868	R. S. Hall and T. A. Ray.....	43	40	Dec. 14, 1872	827	Lot No. 62, township 9 north, range 4 west.
Do.....	Mar. 18, 1868	Silver Hill Mining Company.....	44	25	Nov. 12, 1872	801	Lot No. 37, township 7 north, range 5 west.
Do.....	Mar. 18, 1868	David H. Gilmore.....	45	25	Dec. 18, 1872	833	Lot No. 37, township 7 north, range 4 west.
W. W. Johnson.....	Aug. 6, 1872	D. L. S. & J. L. Isbell.....	46	40	Dec. 18, 1872	830	Lot No. 37, township 12 north, range 10 west.
Do.....	Aug. 6, 1872	J. Olsen and J. E. McConnell.....	47	40	Dec. 18, 1872	831	Lot No. 38, township 12 north, range 8 west.
Do.....	Aug. 6, 1872	J. W. Parel, C. Dalley, and E. Cullenan.....	48	40	Dec. 18, 1872	832	Lot No. 39, township 12 north, range 8 west.
John L. Corbitt.....	Mar. 18, 1868	John J. Low and Joel A. Stone.....	49	40	Dec. 31, 1872	839	Lot No. 37, A. B, township 3 south, range 1 east.
B. F. Marsh.....	Aug. 6, 1872	W. T. Ballard and William Milling.....	50	25	Jan. 3, 1873	852	Lot No. 39, township 11 north, range 3 west.
Do.....	Aug. 6, 1872	William F. Wheeler et al.....	51	40	Jan. 3, 1873	853	Lot No. 39, township 11 north, range 3 west.
W. W. Johnson.....	Aug. 6, 1872	William A. Clarke.....	52	40	Jan. 8, 1873	855	Lot No. 39, township 11 north, range 11 west.
Do.....	Aug. 6, 1872	do.....	53	40	Jan. 8, 1873	856	Lot No. 39, township 11 north, range 3 west.
B. F. Marsh.....	Aug. 6, 1872	E. D. Holland and J. W. Estill.....	54	25	Jan. 15, 1873	861	Lot No. 40, township 3 north, range 8 west.
Do.....	Aug. 6, 1872	do.....	55	25	Jan. 15, 1873	862	Lot No. 40, township 3 north, range 8 west.
W. W. Johnson.....	Aug. 6, 1872	John O'Rourke and F. R. Bill.....	56	40	Jan. 29, 1873	870	Lot No. 39, A. B, township 6 north, range 13 west.
No survey made.....	Aug. 6, 1872	M. and W. Mason.....	57	40	Feb. 10, 1873	876	Deposit returned.
B. F. Marsh.....	Aug. 6, 1872	David P. Rankin.....	58	40	Feb. 13, 1873	877	Lot No. 45, township 10 north, range 2 east.
Do.....	Aug. 6, 1872	Thomas E. Tootle et al.....	59	40	Jan. 21, 1873	864	Lot No. 41, township 6 south, range 10 west.
Do.....	Aug. 6, 1872	do.....	60	40	Jan. 21, 1873	865	Lot No. 40, A. B, township 6 south, range 8 west.
Do.....	Aug. 6, 1872	do.....	61	40	Feb. 15, 1873	878	Lot No. 40, township 12 north, range 2 east.
Do.....	Aug. 6, 1872	do.....	62	40	Feb. 15, 1873	879	Lot No. 41, township 11 north, range 2 east.
Preston Scott.....	Dec. 19, 1872	John W. Stoner et al.....	63	40	Feb. 15, 1873	880	Lot No. 42, township 11 north, range 3 east.
B. F. Marsh.....	Aug. 6, 1872	Michael Ryan et al.....	64	25	Feb. 15, 1873	881	Lot No. 46, township 11 north, range 3 east.
Do.....	Aug. 6, 1872	do.....	65	40	Feb. 15, 1873	882	Lot No. 47, township 11 north, range 3 east.
Do.....	Aug. 6, 1872	do.....	66	40	Feb. 17, 1873	883	Lot No. 47, township 11 north, range 3 east.
Do.....	Aug. 6, 1872	T. A. Blaine, Alex. Smith.....	67	40	Feb. 17, 1873	885	Lot No. 43, township 10 and 11 north, range 3 east.
Do.....	Aug. 6, 1872	A. McGregor et al.....	68	40	Feb. 20, 1873	886	Lot No. 45, township 10 and 11 north, range 3 east.
Do.....	Aug. 6, 1872	do.....	69	40	Feb. 20, 1873	888	Lot No. 45, township 10 and 11 north, range 3 east.
Do.....	Aug. 6, 1872	T. C. Bailey et al.....	70	40	Mar. 11, 1873	899	Lot No. 37, township 11 north, range 3 east.
Do.....	Aug. 6, 1872	William Noland, agent for B. W. Tatham.....	71	40	Mar. 12, 1873	901	Lot No. 38, township 10 north, range 5 west.
Do.....	Aug. 6, 1872	Edwin H. Irvine, et al.....	72	40	Apr. 8, 1873	924	Lot No. 48, township 11 north, range 3 east.
W. F. Marsh.....	Aug. 6, 1872	M. Ryan, E. L. Walker, et al.....	73	40	Apr. 8, 1873	921	Lot No. 38, township 10 north, range 2 and 3 east.
W. W. Johnson.....	Aug. 6, 1872	James Grub.....	74	40	Apr. 8, 1873	920	Lot No. 38, township 6 south, range 10 west.
George B. Foote.....	Mar. 18, 1868	Abraham Selligman.....	75	25	Apr. 28, 1873	927	Lot No. 64, township 8 north, range 3 east.
Do.....	Mar. 18, 1868	E. B. McCrea.....	76	40	Apr. 28, 1873	926	Lot No. 38, township 8 north, range 4 west.
W. W. Johnson.....	Aug. 6, 1872	Orville Leonard and others.....	77	40	Apr. 30, 1873	930	Lot No. 50, township 10 north, range 2 east.
Do.....	Aug. 6, 1872	A. McGregor and others.....	78	40	May 12, 1873	935	Lot No. 37, township 10 north, range 2 east.
B. F. Marsh.....	Aug. 6, 1872	G. A. Hampton et al.....	79	40	May 16, 1873	940	Lot No. 37, township 14 north, range 9 west.
W. W. Johnson.....	Apr. 35, 1873	Charles Price and A. G. Sykes.....	80	40	May 16, 1873	941	Lot No. 38, A. B, township 8 north, range 3 west.
W. W. de Lacy.....	Mar. 18, 1868	Benjamin S. Ball and others.....	81	25	May 17, 1873	943	Lot No. 39, township 8 north, range 3 west.
George B. F. Cole.....	Mar. 18, 1868	Isaac J. Lewis and others.....	82	25	May 17, 1873	944	Lot No. 40, township 8 north, range 3 west.
Do.....	Mar. 18, 1868	T. M. Slosson and others.....	83	25	May 17, 1873	945	Lot No. 40, township 8 north, range 3 west.

Do.....	Mar. 18, 1868	Andrew O'Connell et al.....	84	40	May 19, 1873	947	Lot No. 37, township 5 north, range 5 west.
B. F. Marsh.....	Aug. 6, 1872	Patrick Kiley.....	85	40	May 24, 1873	949	Lot No. 42, township 12 north, range 8 west.
Do.....	Aug. 6, 1872	H. Bratton and H. M. Hubbard.....	86	40	May 24, 1873	950	Lot No. 43, township 10 north, range 8 west.
Peter Koch.....	May 9, 1873	George W. Monroe et al.....	87	40	May 26, 1873	952	Lot No. 37, township 3 south, range 2 east.
George B. Foote.....	Mar. 18, 1868	Lewis Bull & Co.....	88	40	May 27, 1873	953	Lot No. 41, township 8 north, range 3 west.
Do.....	Mar. 18, 1868	do.....	89	40	May 27, 1873	954	Lot No. 42, township 8 north, range 3 west.
Do.....	Mar. 18, 1868	do.....	90	40	May 27, 1873	955	Lot No. 43, township 8 north, range 3 west.
B. F. Marsh.....	Aug. 6, 1872	John Hopps and Lewis Sanders.....	91	40	May 28, 1873	956	Lot No. 43, township 12 north, ranges 5 and 6 west.
Do.....	Aug. 6, 1872	N. J. Devenspeck.....	92	40	June 2, 1873	961	Lot No. 45, township 11 north, range 7 west.
W. W. Johnson.....	Aug. 6, 1872	Nick Wall and William Berlin.....	93	40	June 9, 1873	966	Lot No. 41 A B, township 3 north, range 5 west.
George B. Foote.....	Mar. 18, 1868	Benjamin Stickney, Jr., and W. E. Sweet.....	94	40	June 9, 1873	967	Lot No. 38, township 5 north, range 5 west.
W. W. Johnson.....	Aug. 6, 1872	T. J. Kinney and others.....	95	40	June 11, 1873	968	Lot No. 39, townships 8 and 9 north, range 3 east.
B. F. Marsh.....	Aug. 6, 1872	F. Schaaf and J. Kolberer.....	96	40	June 14, 1873	970	Lot No. 44, township 11 north, range 3 east.
George B. Foote.....	Mar. 18, 1868	Montana Midas Mining Company.....	97	40	June 14, 1873	974	Lot No. 37 A B C, township 3 south, range 1 west.
B. F. Marsh.....	Aug. 6, 1872	T. C. Brady and O'Neil.....	98	25	June 16, 1873	975	Lot No. 37, township 9 north, range 6 west.
Freton Scott.....	Dec. 19, 1872	McKnight & Hilger.....	99	40	June 18, 1873	976	Lot No. 39, township 7 north, range 5 west.
Do.....	Aug. 6, 1872	F. Lollar, administrator, &c.....	100	25	June 18, 1873	977	Lot No. 40, township 8 north, range 5 west.
Do.....	Aug. 6, 1872	do.....	101	40	June 23, 1873	980	Lot No. 44, township 8 north, range 5 west.
Do.....	Aug. 6, 1872	Benjamin and William Tatham.....	102	40	June 23, 1873	981	Lot No. 45, township 8 north, range 5 west.
Do.....	Aug. 6, 1872	J. H. Russell.....	103	40	June 23, 1873	982	Lot No. 39, township 8 north, range 5 west.
George B. Foote.....	Mar. 18, 1872	Philip Cassane.....	104	40	June 23, 1873	983	Lot No. 40, township 8 north, range 5 west.
Do.....	Mar. 18, 1872	do.....	105	40	June 23, 1873	983	Lot No. 40, township 8 north, range 5 west.
Total amount deposited during the year.....						3,420	

\* Deposited in First National Bank, Helena, Mont.

JOHN E. BLAINE,  
Surveyor-General for Montana.

## C.—List of public lands surveyed in Montana Territory during the fiscal year ending June 30, 1873.

No. of townships surveyed.	Township.	Range.	Public land surveyed, agri- cultural.	A.	B.	C.	D.	Total acres.
				Military reservations.	Unsurveyed mountain land.	River and swamp and lake.	Returned as mineral.	
1	7 north	3 west	3,868.68		19,171.32			23,040.00
2	7 north	4 west	3,199.94		8,078.03		11,606.60	22,884.47
3	20 north	1 west	17,886.34	5,004.53				22,890.87
4	19 north	1 west	22,957.12					22,957.12
5	25 north	7 west	23,029.84					23,029.84
6	10 north	7 west	14,024.35		5,069.57		3,890.88	22,984.80
7	10 north	7 west	20,096.76				2,878.59	22,975.35
8	11 north	7 west			22,160.00		880.00	23,040.00
9	9 north	6 west	6,954.57		16,067.19			23,021.76
10	3 south	6 east	6,975.58	5,760.00	10,214.42			22,950.00
11	2 north	12 west	8,040.72		13,895.24		1,040.00	22,975.96
12	3 north	12 west	2,480.00		19,608.00		880.00	22,968.00
13	2 north	13 west	7,351.31		15,633.87			22,985.18
14	1 north	14 west	18,129.31		4,910.69			23,040.00
15	1 north	15 west	6,240.00		16,800.00			23,040.00
16	1 south	15 west	22,827.21					22,827.21
17	2 south	15 west	22,900.63					22,900.63
18	3 south	15 west	22,970.24					22,970.24
19	4 south	15 west	23,004.94					23,004.94
20	7 north	21 west	11,041.26		11,998.74			23,040.00
21	6 north	21 west	10,399.63		12,640.37			23,040.00
22	6 north	20 west	22,796.91		240.00			23,036.91
23	5 north	21 west	8,641.80		14,398.20			23,040.00
24	5 north	20 west	11,958.54		11,063.22			23,021.76
25	17 north	6 west	15,036.54		8,003.46			23,040.00
26	17 north	5 west	23,032.74					23,032.74
27	16 north	4 west	16,552.92		6,152.28			22,705.20
28	15 north	4 west	4,473.42		18,566.88			23,040.30
29	25 north	4 west	23,058.52					23,058.52
30	25 north	4 west	22,963.12					22,963.12
31	25 north	5 west	23,038.77					23,038.77
32	25 north	6 west	23,025.27					23,025.27
33	26 north	6 west	23,027.42					23,027.42
34	26 north	3 west	22,910.67					22,910.67
35	25 north	3 west	2,034.39					23,034.39
36	26 north	2 west	23,004.93					23,004.93
37	10 south	12 west	21,260.59		1,779.41			23,040.00
38	9 south	12 west	21,959.86		1,029.10			22,988.96
39	11 south	10 west	13,479.66		9,204.82			22,684.48
40	10 south	10 west	15,378.90		7,639.50			23,018.40
41	10 south	13 west	7,631.67		15,391.05			23,022.72
42	9 south	11 west	2,422.39		20,564.81			22,987.20
43	9 south	13 west	22,999.75					22,999.75
44	10 south	11 west	11,039.29		11,982.95			23,022.24
45	4 south	8 west	4,474.62		12,469.38			22,944.00
46	3 south	9 west	6,915.06		16,124.94			23,040.00
47	4 south	9 west	14,884.12		8,115.08			22,999.20
48	5 south	9 west	23,026.83					23,026.83
49	8 south	5 west	23,035.78					23,035.78
50	10 south	5 west	16,944.04		6,081.92			23,025.96
51	9 south	6 west	23,009.02					23,009.02
52	29 north	22 west	23,033.86					23,033.86
53	13 north	4 west	19,991.70		2,888.30		160.00	23,040.00
54	13 north	3 west	5,910.76		17,129.24			23,040.00
55	20 north	8 west	12,323.30		10,716.70			23,040.00
56	19 north	6 west	22,946.67					22,946.67
57	20 north	4 west	23,008.00					23,008.00
58	21 north	4 west	23,036.79					23,036.79
59	21 north	5 west	23,014.59					23,014.59
60	21 north	7 west	23,170.17					23,170.17
61	17 north	4 west	20,280.93		2,480.00			22,760.93
62	18 north	6 west	22,098.11		845.50			22,943.61
63	18 north	4 west	22,901.21					22,901.20
64	18 north	5 west	23,069.58					23,069.58
65	19 north	7 west	18,747.67		4,320.00			23,067.67
66	12 north	10 west	4,413.44		15,282.89		3,167.51	22,863.84
67	12 north	8 west	1,323.46		19,283.02		2,180.28	22,786.76
68	11 north	8 west	12,354.61		7,433.95		3,160.00	22,948.56

C.—List of public lands surveyed in Montana Territory, &c.—Continued.

No. of townships surveyed.	Township.	Range.	Public land surveyed, agricultural.	A.	B.	C.	D.	Total acres.
				Military reservations.	Unsurveyed mountain land.	River and swamp and lake.	Returned as mineral.	
69	11 north..	9 west ..	10,622.50		12,411.50			23,040.00
70	13 north..	10 west ..	2,595.16		17,225.33		3,194.09	23,014.58
71	13 north..	11 west ..	23,064.40					23,064.40
72	13 north..	12 west ..	5,202.83		17,837.17			23,040.00
73	14 north..	11 west ..	15,688.18		7,095.43	240.79		23,024.40
74	12 north..	9 west ..	7,905.66		6,138.42		8,995.92	23,040.00
75	7 north..	20 west ..	22,966.00					22,966.00
76	8 north..	19 west ..	18,117.46		4,770.90			22,888.36
77	8 north..	21 west ..	6,160.00		16,880.00			23,040.00
78	7 north..	19 west ..	9,050.33		13,898.47			22,948.80
79	8 north..	20 west ..	22,920.71					22,920.71
80	10 north..	20 west ..	11,064.00		11,975.12			23,039.12
81	10 north..	19 west ..	17,888.01		3,817.35		1,280.84	22,986.20
82	9 north..	19 west ..	19,189.72		3,832.28			23,022.00
83	15 north..	21 west ..	8,748.48		14,182.08			22,930.56
84	9 north..	20 west ..	18,285.69		4,754.31			23,040.00
85	11 north..	19 west ..	5,205.50		17,744.50			22,950.00
86	11 north..	20 west ..	8,274.32		14,765.68			23,040.00
87	27 north..	20 west ..	8,653.68			14,283.48		22,937.16
88	27 north..	21 west ..	7,191.62		15,733.18			22,924.80
89	28 north..	20 west ..	12,148.18			10,757.42		22,905.60
90	28 north..	21 west ..	11,071.35			11,838.52		22,909.87
91	28 north..	22 west ..	14,865.66		8,053.38			22,919.04
92	29 north..	21 west ..	13,343.00		9,692.20			23,035.20
93	29 north..	20 west ..	22,679.23			356.41		23,035.64
94	12 north..	3 west ..	17,898.33		4,633.55	282.73	215.63	22,954.24
Mineral lands added .....			1,431,826.71					
			43,530.34					
Total .....			1,475,357.05	10,764.53	636,874.89	37,679.35	43,530.34	2,160,675.82

JOHN E. BLAINE,  
Surveyor-General for Montana.

D.—Statement showing condition of the public survey contracted for by surveyor-general of Montana Territory, under appropriation by Congress, for the fiscal year ending June 30, 1873.

Contracts.	Date.	Character and location of work.	Names of deputies.	Remarks.
42	June 15, 1872	Exterior and subdivisional lines of township 7 north, ranges 3 and 4 west; 19 and 20 north, range 1 west; a guide meridian between ranges 6 and 7 west, through townships 22, 24, 25, and 26 north; the sixth standard parallel north, through ranges 2, 3, 4, 5, 6, and 7 west; the subdivisional lines of townships 25 north, ranges 3, 4, 5, 6, and 7 west; the exterior boundaries of townships 25 and 26 north, ranges 2, 3, 4, 5, 6, and 7 west; and subdivisional lines of township 26 north, ranges 2, 3, 4, 5, and 6 west.	John M. Marsh and Marshall Seppington.	Completed.
43	June 28, 1872	Extension of the base line through range 15 west; the Big-Hole guide meridian through 1, 2, 3, and 4 south, between ranges 14 and 15 west; Deer-Lodge guide meridian through townships 1, 2, 3, 4, and 5 south, between ranges 9 and 10 west; the second standard parallel south, through ranges 10, 11, 12, and 13 west; exterior and subdivisional lines of townships 2 and 3 north, range 12 west; 2 north, range 13 west; 1 north, ranges 14 and 15 west; 1, 2, 3, and 4 south, range 15 west; 4 south, range 5 west; 3, 4, and 5 south, range 9 west; 3 and 4 south, range 10 west; 9 and 10 south, ranges 10, 11, 12, and 13 west; 7, 8, 9, and 10 south, range 5 west; and 9 south, range 6 west of the principal meridian.	Seymour Nebeker and William M. Baker.	Townships 3 and 4, range 10 west, 7 and 9 south, range 5 west; and the Deer-Lodge guide meridian through townships 1, 2, 3, and 4 south were not surveyed. (See letter to Commissioner of General Land Office, of November 6, 1872.) Township 11 south, range 10 west, was substituted and surveyed instead of township 9 south, range 10 west. Balance all surveyed and completed.
44	June 28, 1872	Estimated amount of work, \$12,038. Flathead guide meridian from the corner to townships 14 and 15 north, between ranges 20 and 21 west, to the seventh standard parallel north; sixth standard parallel north, through ranges 20 and 21 west; the seventh standard parallel north, through ranges 20 and 21 west; the exterior and subdivisional lines of townships 25, 26, 27, and 28 north, ranges 20 and 21 west; 25, 26, and 27 north, range 19 west, with the meanders of the Flathead Lake, north of the Indian reservation, falling in said township.	James H. Thomas and Andrew J. Everly.	Townships 25 and 26 north, ranges 10, 20, and 21 west, and township 27 north, range 19 west, were not surveyed. Townships 29 north, ranges 20, 21, and 22 west, and 28 north, and 22 west, were substituted and surveyed in lieu thereof.
45	June 28, 1872	Estimated amount of work, \$6,000. The third standard parallel north, through range 3 west, three and a half miles; fourth standard parallel north, through range 6 west, two miles; fifth standard parallel, through range 8 west, one and a half miles. The exterior and subdivisional lines of townships 15 and 16 north, range 4 west; 17 north, range 6 west; 18 north, range 6 west; 20 north, range 8 west; the subdivisional lines of townships 17 north, ranges 4 and 5 west; 19 north, ranges 4 and 5 west; 20 north, range 4 west; 21 north, ranges 4, 5, and 7 west; and 19 north, ranges 6 and 7 west of the principal meridian.	William T. McFarland and Demas L. McFarland.	Completed.
46	June 28, 1872	Estimated amount of work, \$8,081. The Bitter-Root guide meridian, south, through townships 5, 6, 7, and 8 north, between ranges 20 and 21 west. The exterior and subdivisional lines of townships 7, 8, 9, 10, and 11 north, range 19 west; 5, 6, 7, 8, 9, 10, and 11 north, range 20 west; 5, 6, 7, 8, and 15 north, range 21 west of the principal meridian.	George W. Irvine 2d, and Henry C. Rohlfeder.	Completed.

7	<p>July 1, 1872</p> <p>The second standard parallel north, through range 6 west; exterior and subdivisinal lines of townships 9 and 10 north, range 6 west; 10 north, range 7 west; 10 and 11 north, range 8 west; 12 north, range 8 west; 11 and 12 north, range 9 west; 12 and 13 north, range 10 west; 13 and 14 north, range 11 west; third standard parallel through range 11 west; exterior and subdivisinal lines of townships 13, 14, and 15 north, range 12 west of the principal meridian.</p> <p>Estimated amount of work, \$5,000.</p>	<p>John E. Stedman.....</p>	<p>Township 11 north, range 7 west was substituted for township 10 north, 6 west. Townships 12 north, 11 west, and 14 and 15 north, range 12 west, were not surveyed; also second standard, through range 6 west. Blackfoot guide meridian was established through townships 13 and 14 north, 11 and 12 west. Balance surveyed and returned.</p> <p>Completed. (Special deposit.)</p>
48	<p>July 15, 1872</p> <p>Exterior and subdivisinal lines of township 3 south, range 6 east, fractional.</p>	<p>William Y. Smith.....</p>	<p>Completed. (Special deposit.)</p>
49	<p>Jan. 2, 1873</p> <p>Exterior subdivisinal and meander lines of fractional township No. 12 north, range 3 west of the principal meridian.</p>	<p>Demas L. McFarland.....</p>	<p>Completed.</p>
50	<p>Jan. 2, 1873</p> <p>The third standard parallel north, partly through range 3 west, and the subdivisinal lines of township 13 north, range 3 west; and the exterior and subdivisinal lines of township 13 north, range 4 west of the principal meridian.</p> <p>Estimated amount of work, \$800.</p>	<p>Demas L. McFarland.....</p>	<p>Completed.</p>

JOHN E. BLAINE,  
*Surveyor-General for Montana.*

**E.—Statement showing condition of appointments made for the survey of mineral lands 'in Montana under the mineral acts of Congress for the fiscal year ending June 30, 1873.**

Appointment.		Name of deputy.	No. of district.	Extent of district.	No. of surveys made.	Remarks.
No.	Date.					
1	Mar. 18, 1868	George B. Foote ..	2	Counties of Lewis and Clarke, Jefferson, Meagher, Chouteau Deer Lodge, Missoula, and Beaver Head.	30	Re-appointed December 19 1872, under act of May 10, 1872, for the whole Territory.
2	Mar. 18, 1868	John L. Corbett ..	1	Counties of Big Horn, Gallatin, and Madison.	1	Re-appointed December 4, 1872, under act of May 10, 1872, for the whole Territory.
3	Aug. 6, 1872	Benj. F. Marsh ....	1	Montana Territory .....	48	
4	Aug. 6, 1872	W. W. Johnson ....	1	.....do .....	20	
5	Dec. 4, 1872	John M. Marsh ..	1	.....do .....	1	
6	Dec. 17, 1872	James M. Page ....	1	.....do .....	1	
7	Dec. 19, 1872	Preston Scott .....	1	.....do .....	2	
8	Apr. 16, 1873	M. C. Rohleder ....	1	.....do .....	1	
9	Apr. 16, 1873	Orin F. Mason .....	1	.....do .....	1	
10	Apr. 25, 1873	W. W. DeLacy .....	1	.....do .....	1	
11	May 9, 1873	Peter Koch .....	1	.....do .....	1	
12	May 31, 1873	William Y. Smith ..	1	.....do .....	1	
Total number of surveys.					104	

JOHN E. BLAINE,  
Surveyor-General for Montana.

**F.—Showing a description of land for which township plats and descriptive lists have been furnished the Helena land-office at Helena, Montana Territory, during the fiscal year ending June 30, 1873.**

Number.	Township.	Range.	Area.	Duplicate plats, when transmitted.	Descriptive lists, when transmitted.
			<i>Acres.</i>		
1	7 north	3 west	3,868.68	Aug. 7, 1872	Aug. 7, 1872
2	7 north	4 west	14,806.44	Aug. 7, 1872	Aug. 7, 1872
3	20 north	1 west	17,886.34	Aug. 16, 1872	Aug. 16, 1872
4	19 north	1 west	22,957.12	Aug. 16, 1872	Aug. 16, 1872
5	25 north	7 west	23,029.84	Aug. 16, 1872	Aug. 16, 1872
6	10 north	7 west	17,915.23	Oct. 2, 1872	Oct. 2, 1872
7	10 north	8 west	22,975.35	Oct. 2, 1872	Oct. 2, 1872
8	11 north	7 west	880.00	Oct. 2, 1872	Oct. 2, 1872
9	9 north	6 west	6,954.57	Oct. 2, 1872	Oct. 2, 1872
10	3 south	6 east	6,975.58	Oct. 2, 1872	Oct. 2, 1872
11	2 north	12 west	9,080.72	Oct. 2, 1872	Oct. 2, 1872
12	3 north	12 west	11,360.00	Oct. 2, 1872	Oct. 2, 1872
13	2 north	13 west	7,351.31	Oct. 2, 1872	Oct. 2, 1872
14	1 north	14 west	18,129.31	Oct. 2, 1872	Oct. 2, 1872
15	1 north	15 west	6,240.00	Oct. 2, 1872	Oct. 2, 1872
16	1 south	15 west	22,827.21	Oct. 2, 1872	Oct. 2, 1872
17	2 south	15 west	22,900.63	Oct. 2, 1872	Oct. 2, 1872
18	3 south	15 west	22,970.24	Oct. 2, 1872	Oct. 2, 1872
19	4 south	15 west	23,004.94	Oct. 2, 1872	Oct. 2, 1872
20	7 north	21 west	11,041.26	Oct. 23, 1872	Oct. 23, 1872
21	6 north	21 west	10,399.63	Oct. 23, 1872	Oct. 23, 1872
22	6 north	20 west	22,796.91	Oct. 23, 1872	Oct. 23, 1872
23	5 north	21 west	8,641.80	Oct. 23, 1872	Oct. 23, 1872
24	5 north	20 west	11,958.54	Oct. 23, 1872	Oct. 23, 1872
25	17 north	0 west	15,036.54	Oct. 23, 1872	Oct. 23, 1872
26	17 north	5 west	23,032.74	Oct. 28, 1872	Oct. 23, 1872
27	16 north	4 west	16,552.92	Oct. 23, 1872	Oct. 23, 1872
28	15 north	4 west	4,473.42	Oct. 23, 1872	Oct. 23, 1872
29	26 north	4 west	23,058.52	Oct. 23, 1872	Oct. 23, 1872
30	25 north	4 west	22,963.12	Oct. 23, 1872	Oct. 23, 1872
31	26 north	5 west	23,028.77	Oct. 23, 1872	Oct. 23, 1872
32	25 north	6 west	23,025.27	Oct. 23, 1872	Oct. 23, 1872

F.—Showing a description of land for which township plats and descriptive lists, &c.—Cont'd.

Number.	Township.	Range.	Area.	Duplicate plats, when transmitted.	Descriptive lists, when transmitted.
			<i>Acres.</i>		
33	26 north	6 west	23,027.42	Oct. 23, 1872	Oct. 23, 1872
34	26 north	3 west	22,910.67	Nov. 6, 1872	Nov. 6, 1872
35	25 north	3 west	23,034.39	Nov. 6, 1872	Nov. 6, 1872
36	26 north	2 west	23,004.93	Nov. 6, 1872	Nov. 6, 1872
37	10 south	12 west	21,260.59	Nov. 6, 1872	Nov. 6, 1872
38	9 south	12 west	21,959.86	Nov. 6, 1872	Nov. 6, 1872
39	11 south	10 west	13,479.66	Nov. 6, 1872	Nov. 6, 1872
40	10 south	10 west	15,378.90	Nov. 6, 1872	Nov. 6, 1872
41	10 south	13 west	7,631.67	Nov. 6, 1872	Nov. 6, 1872
42	9 south	11 west	2,422.39	Nov. 6, 1872	Nov. 6, 1872
43	9 south	13 west	22,999.75	Nov. 6, 1872	Nov. 6, 1872
44	10 south	11 west	11,039.29	Nov. 6, 1872	Nov. 6, 1872
45	4 south	8 west	4,474.62	Nov. 15, 1872	Nov. 15, 1872
46	3 south	9 west	6,915.06	Nov. 15, 1872	Nov. 15, 1872
47	4 south	9 west	14,834.12	Nov. 15, 1872	Nov. 15, 1872
48	5 south	9 west	23,026.83	Nov. 15, 1872	Nov. 15, 1872
49	8 south	5 west	23,035.78	Nov. 15, 1872	Nov. 15, 1872
50	10 south	5 west	16,944.04	Nov. 15, 1872	Nov. 15, 1872
51	9 south	6 west	23,009.02	Nov. 15, 1872	Nov. 15, 1872
52	29 north	22 west	23,033.86	Nov. 15, 1872	Nov. 15, 1872
53	13 north	4 west	20,151.70	June 2, 1873	Jan. 2, 1873
54	13 north	3 west	5,910.76	June 2, 1873	Jan. 2, 1873
55	20 north	8 west	12,323.30	Dec. 18, 1872	Dec. 18, 1872
56	19 north	6 west	22,946.67	Dec. 18, 1872	Dec. 18, 1872
57	20 north	4 west	23,008.00	Dec. 18, 1872	Dec. 18, 1872
58	21 north	4 west	23,036.79	Dec. 18, 1872	Dec. 18, 1872
59	21 north	5 west	23,014.59	Dec. 18, 1872	Dec. 18, 1872
60	21 north	7 west	21,700.17	Dec. 18, 1872	Dec. 18, 1872
61	17 north	4 west	20,280.93	Dec. 18, 1872	Dec. 18, 1872
62	18 north	6 west	22,098.11	Dec. 18, 1872	Dec. 18, 1872
63	18 north	4 west	22,901.20	Dec. 18, 1872	Dec. 18, 1872
64	18 north	5 west	23,069.58	Dec. 18, 1872	Dec. 18, 1872
65	19 north	7 west	18,747.67	Dec. 18, 1872	Dec. 18, 1872
66	12 north	10 west	7,580.95	Jan. 16, 1873	Jan. 16, 1873
67	12 north	8 west	3,503.74	Jan. 16, 1873	Jan. 16, 1873
68	11 north	8 west	15,514.61	Jan. 16, 1873	Jan. 16, 1873
69	11 north	9 west	10,628.50	Jan. 16, 1873	Jan. 16, 1873
70	13 north	10 west	5,789.25	Jan. 16, 1873	Jan. 16, 1873
71	13 north	11 west	23,064.40	Jan. 16, 1873	Jan. 16, 1873
72	13 north	12 west	5,202.83	Jan. 16, 1873	Jan. 16, 1873
73	14 north	11 west	15,688.18	Jan. 16, 1873	Jan. 16, 1873
74	12 north	9 west	16,901.58	Jan. 16, 1873	Jan. 16, 1873
75	7 north	20 west	22,966.00	Jan. 16, 1873	Jan. 16, 1873
76	8 north	19 west	18,117.46	Jan. 16, 1873	Jan. 16, 1873
77	8 north	21 west	6,160.00	Jan. 16, 1873	Jan. 16, 1873
78	7 north	19 west	9,050.33	Jan. 16, 1873	Jan. 16, 1873
79	8 north	20 west	22,920.71	Jan. 16, 1873	Jan. 16, 1873
80	10 north	20 west	11,064.00	Jan. 16, 1873	Jan. 16, 1873
81	10 north	19 west	19,168.85	Jan. 16, 1873	Jan. 16, 1873
82	9 north	19 west	19,189.72	Jan. 16, 1873	Jan. 16, 1873
83	15 north	21 west	8,748.48	Jan. 16, 1873	Jan. 16, 1873
84	9 north	20 west	8,285.69	Jan. 16, 1873	Jan. 16, 1873
85	11 north	19 west	5,205.50	Jan. 16, 1873	Jan. 16, 1873
86	11 north	20 west	8,274.32	Jan. 16, 1873	Jan. 16, 1873
87	27 north	20 west	8,653.68	Jan. 20, 1873	Jan. 20, 1873
88	27 north	21 west	7,191.62	Jan. 20, 1873	Jan. 20, 1873
89	28 north	20 west	12,148.18	Jan. 20, 1873	Jan. 20, 1873
90	28 north	21 west	11,071.35	Jan. 20, 1873	Jan. 20, 1873
91	28 north	22 west	14,865.66	Jan. 20, 1873	Jan. 20, 1873
92	29 north	21 west	13,343.00	Jan. 20, 1873	Jan. 20, 1873
93	29 north	20 west	22,679.23	Jan. 20, 1873	Jan. 20, 1873
94	12 north	3 west	18,113.96	Apr. 21, 1873	Apr. 21, 1873
	<b>Total</b>		<b>1,475,357.05</b>		

JOHN E. BLAINE,  
Surveyor-General for Montana.



G.—Statement showing the condition of the appropriation for the clerks in the office of the surveyor-general of Montana for the fiscal year ending June 30, 1873.

DR.			CR.	
1872			1872.	
Sept. 30	To T. C. Bailey, chief clerk.....	\$450 00	June 10	By appropriation .....
Sept. 30	To Geo. F. Marsh, draughtman.....	375 00		\$6,000 00
Sept. 30	To Harry A. Lambert, assistant draughtsman.....	146 75		
Sept. 30	To John N. Heldt, clerk.....	248 64		
Dec. 31	To T. C. Bailey, chief clerk.....	450 00		
Dec. 31	To Geo. F. Marsh, draughtsman.....	375 00		
Dec. 31	To Harry A. Lambert, assistant draughtsman.....	300 00		
Dec. 31	To Michael R. Hayes, clerk.....	300 00		
Dec. 31	To John N. Heldt, clerk.....	375 00		
Dec. 31	To B. F. Marsh, clerk.....	125 00		
1873.				
Mar. 31	To T. C. Bailey, chief clerk.....	450 00		
Mar. 31	To Geo. F. Marsh, draughtsman.....	375 00		
Mar. 31	To Harry A. Lambert, assistant draughtsman.....	105 33		
Mar. 31	To Michael R. Hayes, clerk.....	103 33		
Mar. 31	To John N. Heldt, clerk.....	212 50		
June 30	To T. C. Bailey, chief clerk.....	450 00		
June 30	To Geo. F. Marsh, draughtsman.....	375 00		
June 30	To Henry C. Rohleder, clerk.....	313 19		
June 30	To M. A. A. Meyersdorff.....	123 63		
June 30	Balance.....	348 63		
	Total.....	6,000 00		Total.....
				6,000 00

JOHN E. BLAINE,  
Surveyor-General for Montana.

H.—Statement showing the condition of appropriation for salary of surveyor-general of Montana for the fiscal year ending June 30, 1873.

1872.			1872.	
Sept. 30	To John E. Blaine.....	\$750 00	June 10	By appropriation.....
Dec. 31	.....do.....	750 00		\$3,000 00
1873.				
Mar. 31	.....do.....	750 00		
June 30	.....do.....	750 00		
	Amount.....	3,000 00		Amount.....
				3,000 00

JOHN E. BLAINE,  
Surveyor-General for Montana.

I.—Statement showing condition of appropriation for incidental expenses for office of surveyor-general of Montana Territory for the fiscal year ending June 30, 1873.

DR.		CR.	
1872.			1872.
July 11	To A. L. Bancroft & Co., stationery	\$15 40	June 10 By appropriation.....
Sept. 3	To L. F. La Croix, printing	23 00	
Sept. 3	To D. W. & A. J. Fisk, printing	23 00	
Sept. 30	To John T. Ward, stationery	59 75	
Sept. 30	To E. G. Walker, rent	150 00	
Sept. 30	To Benjamin D. Stone, messenger	150 00	
Sept. 30	To T. C. Bailey, incidentals	72 95	
Sept. 30	To Thomas A. Ray, water	6 00	
Sept. 30	To S. H. Crouse, post-office box rent	4 00	
Oct. 10	To A. L. Bancroft & Co., stationery	32 50	
Oct. 18	To William Ballantyne, stationery	20 00	
Oct. 28	To Fisk Brothers, printing	145 00	
Oct. 31	To John T. Ward, stationery	26 25	
Nov. 8	To T. C. Bailey, incidentals	57 50	
Nov. 8	To A. L. Bancroft & Co., stationery	23 00	
Dec. 31	To E. G. Walker, rent	150 00	
Dec. 31	To Benjamin D. Stone, messenger	150 00	
Dec. 31	To John T. Ward, stationery	48 25	
Dec. 31	To James Ballard, desk	40 00	
Dec. 31	To T. C. Bailey, incidentals	175 50	
Dec. 31	To Thomas A. Ray, water	6 00	
1873.			
Mar. 31	To E. G. Walker, rent	150 00	
Mar. 31	To Levi Likins, messenger	150 00	
Mar. 31	To T. C. Bailey, incidentals	21 75	
Mar. 31	To Thomas A. Ray, water	6 00	
June 30	To E. G. Walker, rent	150 00	
June 30	To Levi Likins, messenger	100 55	
June 30	To T. C. Bailey, incidentals	37 36	
June 30	To Thomas A. Ray, water	6 00	
June 30	To Balance	24	
	Total.....	2,000 00	Total.....
			2,000 00

JOHN E. BLAINE,  
Surveyor-General for Montana.

J.—Statement showing the special deposits of individuals for the survey of public lands other than mineral, in Montana, during the fiscal year ending June 30, 1873

Name of deputy.	Date of deposit.	No. of C. D.	Name of depositor.	Field-work.	Office-work.	Location of work.
	1872.					
D L. McFarland.	Dec. 31	841	E. W. Peck	\$200 00	.....	Township 12 north, range 3 west.*
Do.....	Dec. 31	842	do	125 00	.....	Do.
Do.....	Dec. 31	845	do	25 00	.....	Do.
Do.....	Dec. 31	844	John H. Ming.	200 00	.....	Do.
Do.....	Dec. 31	843	E. W. Peck	.....	\$25 00	Do.
Do.....	Dec. 31	846	do	.....	25 00	Do.
Total.....				550 00	50 00	

\* Surveyed and returned.

JOHN E. BLAINE,  
Surveyor-General for Montana.

K.—Statement showing the number of plats made in the United States surveyor-general's office of Montana Territory during the fiscal year ending June 30, 1873.

Description.	Original	Department	Local land-offices.	Pasting.	Skeleton.	Total.
	Plats of standard lines .....	16	16	.....	.....	.....
Plats of township lines .....	20	20	.....	.....	.....	40
Plats of subdivision lines .....	94	94	94	.....	.....	282
Plats of mineral claims .....	104	104	104	104	.....	416
Plats for deputy surveyors .....	.....	.....	.....	.....	20	20
Plats of townships in which sections are made fractional .....	.....	.....	.....	.....	.....	.....
The location of mineral claims .....	24	24	24	.....	.....	72
Plats of the Territory .....	1	1	.....	.....	.....	2
Plats showing location of contracts .....	.....	.....	.....	.....	1	1
<b>Aggregate</b> .....	<b>259</b>	<b>259</b>	<b>222</b>	<b>104</b>	<b>21</b>	<b>865</b>

JOHN E. BLAINE,  
Surveyor-General for Montana.

L.—Statement showing the number of acres of public land surveyed in Montana Territory since the inception of surveys up to June 30, 1873.

	Acres.
Surveyed up to June 30, 1869 .....	682, 226. 27
Surveyed during fiscal year ending June 30, 1870 .....	600, 139. 14
Surveyed during fiscal year ending June 30, 1871 .....	873, 716. 26
Surveyed during fiscal year ending June 30, 1872 .....	1, 095, 374. 77
Surveyed mineral claims from 1869 to 1872 on unsurveyed lands .....	1, 236. 81
Surveyed during fiscal year ending June 30, 1873 .....	1, 475, 357. 05
Surveyed mineral claims on unsurveyed land for 1873 .....	3, 635. 26
<b>Total</b> .....	<b>4, 731, 685. 56</b>

JOHN E. BLAINE,  
Surveyor-General for Montana.

M.—Statement showing the number of linear miles run, the rate per mile, and the total cost of surveys in Montana Territory during the fiscal year ending June 30, 1873.

Description.	Distance.			Rate per mile.	Cost.
	Miles.	Chains.	Links.		
Meridian lines .....	186	65	53	\$15 00	\$2, 802 32
Base lines .....	6	00	00	15 00	90 00
Standard lines .....	124	78	32	15 00	1, 874 75
Township lines .....	550	43	80	12 00	6, 606 60
Section lines .....	3, 823	13	22	10 00	38, 231 68
Meander lines .....	36	62	11	10 00	367 79
Special deposits .....	.....	.....	.....	.....	750 00
Deficiencies paid .....	.....	.....	.....	.....	1, 008 58
Number of miles run .....	4, 728	22	98	.....	.....
<b>Total cost of surveys</b> .....	.....	.....	.....	.....	<b>51, 731 72</b>

JOHN E. BLAINE,  
Surveyor-General for Montana.

N.—Statement giving names, nativity, &c., of surveyor-general, and clerks in his office, at Helena, Mont., for the fiscal year ending June 30, 1873, and to date.

Names.	Occupation.	Nativity.	Whence appointed.	When appointed.	Salary.
John E. Blaine .....	Surveyor-general .....	Pennsylvania.	Wyoming.	Feb. —, 1871	\$3,000
T. C. Bailey .....	Chief clerk .....	Indiana .....	Indiana .....	Sept. 15, 1869	1,800
George F. Marsh .....	Chief draughtsman .....	Vermont .....	Montana .....	Dec. —, 1869	1,500
George D. C. Hibbs .....	Clerk .....	District of Columbia.	do .....	June 27, 1873	1,500
M. A. A. Myendorff .....	Draughtsman, (mineral) .....	Poland .....	California.	June 1, 1873	1,500
Theodore Shed .....	Clerk .....	New York .....	Montana .....	Aug. 1, 1873	1,500
* Henry A. Lambert .....	Assistant draughtsman .....	Minnesota .....	do .....	Sept. 1, 1872	1,200
† Henry C. Rohleder .....	Assistant draughtsman, (mineral) .....	Germany .....	do .....	Nov. 9, 1872	1,500
‡ John N. Heldt .....	Clerk .....	New York .....	do .....	Nov. 1, 1872	1,500
§ Michael R. Hayes .....	do .....	Ireland .....	do .....	Nov. 22, 1872	1,200
John G. Hammer .....	Assistant draughtsman .....	Germany .....	do .....	Aug. 1, 1873	1,500
J. C. L. Hillebrecht .....	Clerk .....	do .....	do .....	Aug. 1, 1873	1,500
Levi Likens, (colored) .....	Messenger .....	Virginia .....	do .....	July 1, 1873	600

\* Discharged January 31, 1873.  
 ‡ Discharged February 20, 1873.

† Discharged June 15, 1873.  
 § Discharged January 31, 1873.

JOHN E. BLAINE,  
 Surveyor-General for Montana.

O.—Estimate for the surveying service in the district of Montana, for the fiscal year ending June 30, 1875.

Office expenses:	
Compensation of surveyor-general .....	\$3,000 00
Compensation of chief clerk .....	1,800 00
Compensation of chief draughtsman .....	1,500 00
Compensation of assistant draughtsman .....	1,500 00
Compensation of two clerks, at \$1,500 each .....	3,000 00
Incidental expenses, messenger, rent, lights, fuel, &c. ....	3,000 00
	16,800 00
Surveying service:	
200 miles meridian and standard lines, at \$15 .....	\$ 3,000 00
1,500 miles exterior township lines, at \$12 .....	18,000 00
8,000 miles section lines, at \$10 .....	80,000 00
	101,000 00
Total .....	117,800 00

JOHN E. BLAINE,  
 Surveyor-General for Montana.

J.—Report of the surveyor-general of Idaho Territory.

SURVEYOR-GENERAL'S OFFICE,  
 Boise City, Idaho, August 20, 1873.

SIR: In compliance with your instructions of March 11, 1873, I have the honor to submit my annual report, in duplicate, of the field and office work performed in this surveying district for the fiscal year ending June 30, 1873, together with the usual tabular statements relating thereto:

A.—Estimate of expenses incidental to the survey of public lands in Idaho for the fiscal year ending June 30, 1875.

B.—Statement of expenditure of appropriation for compensation of surveyor-general, and clerks in his office, for the fiscal year ending June 30, 1873.

C.—Statement of incidental and office expenses for the fiscal year ending June 30, 1873

D.—Statement of expenditure of the appropriation for surveys for the fiscal year ending June 30, 1873.

E.—Statement of original maps and copies transmitted to the General Land-Office, and to the district offices, since the date of my last report.

F.—Statement showing the condition of contracts entered into since June 30, 1872.

G.—Statement of descriptive notes sent to local land-offices since the date of my last report.

H.—Tabular list of townships surveyed since the date of my last report, showing the area of the public lands.

I.—Statement of applications of individuals, &c., for the survey of mineral lands.

K.—Names, nativity, &c., of surveyor-general, clerks, &c., for the fiscal year ending June 30, 1873.

The surveys for the past year have been principally confined to the southeast portion of the Territory, including the extreme eastern portion of Owyhee County, and the most thickly-settled portions of Oneida; and after exhausting nearly the whole amount of the appropriation for the year ending June 30, 1873, and most of that for the current year, there are left large tracts of country well adapted to farming and unsurpassed for grazing purposes, and it is proposed to extend the surveys in these counties as rapidly as the means placed at the disposal of this office will warrant, and at the same time keeping up with the main settlements in other portions of the Territory. A large portion of Owyhee County is rough and mountainous, and cannot be surveyed at the present prices fixed by law. I have therefore submitted an estimate at augmented rates, and would earnestly recommend that you embody the suggestion in your estimates. The same reason for augmented rates exists in nearly every county in the Territory to a greater or less extent, and while in some portions there may be no very large tracts of land suitable for farming, there are perhaps but few townships in the mineral region but will in time prove to be rich in minerals; and the standard and exterior lines should be steadily pushed forward.

During the last year, it is thought by some, the population of the Territory has not increased. The farming interests and settlements have greatly increased, and many who only thought to make a short stay are coming to the conclusion that there are few countries possessing so many advantages as this, with the single exception of our isolation and distance from railroad communication, and are now making permanent homes, and preparing to plant orchards and vineyards.

No country can exceed this year's crops in a wide range of products or bountiful yield. Fears have been entertained that we could not produce fruit to any extent, but this season has demonstrated that all fruits grown in this latitude will do well. The few orchards here are loaded with fruit—apples, pears, plums, and peaches, are yielding enormous crops, while the range of small fruit cannot be excelled in any country. Even some varieties of the foreign grape-vine are laden with fruit, while some of our native grapes, such as Concord, Isabella, &c., are producing enormous crops. All these things, with our clear and healthy climate, are making the people more and more contented and the country more self-sustaining, and only a few years will elapse before Idaho will be one of the most delightful States on the Pacific slope.

The past year has been unusually good for mining in this Territory, owing to the heavy fall of snow during the winter, and the late spring water for placer-mining has lasted several months longer than usual. The placers of Boise Basin have paid well. The placers have been worked in Boise, Owyhee, Alturas, Idaho, and Lemhi Counties, and the yield is exceptionally good.

The quartz-lodes of the different sections have been worked with energy, and have given substantial results.

In Owyhee County quartz-mining has been confined to Silver City district, located on and around War Eagle Mountain, at a distance of from one to three miles from Silver City. On this mountain are located the celebrated Poorman, Golden Chariot, Minnesota, Ida Ellmore, Mahogany, Red Jacket, Illinois Central, Empire, War Eagle, Idlewild, Glenbrook, Belee Peck, and Norfolk mines, all in operation, being worked by corporations or individuals. Since March of the present year this camp has been enjoying a season of extraordinary results from the working of the above claims. Within a month past new developments have been made on the Poorman vein which promise rich returns in the future. The Ida Ellmore has demonstrated the probabilities of successful deep mining. On War Eagle Mountain at the tenth level, 922 feet from the mouth of the shaft, they have recently struck a well-defined vein of ore from 4 to 5 feet in width, assaying from \$500 to \$800 per ton. The ores of the "Ellmore" average over \$100 per ton. The "Golden Chariot," working below the seventh level, taking out ore considerably above \$100 per ton, during the last month paid a dividend amounting to \$30,000. The "Minnesota," working on the third, fourth, fifth, and sixth levels, is taking out ore of surprising richness. The hoisting-works, buildings, &c., of this mine are very complete. The superintendent feels confident or

enough ore in sight to keep a full force of men employed for a year. This is one of the best developed mines on the Pacific coast, the vein varying from 2 to 5 feet in width. This mine has within the month past paid a dividend of \$30,000. The "Mahogany," a mine but little known till recently, is now developing into a first-class mine; also the "Empire." All mines now being worked on War Eagle Mountain are paying their owners fair compensation. Some rich ledges have recently been prospected on Florida Mountain to the west of Silver City. The Cosmos, Ida Ellmore, South Chariot, New York Company, and Ainsworth Mills, are employed night and day on the ores of this camp.

Flint district, nine miles from Silver City, is in its usual condition. A recent fire destroyed the hoisting-works of the Rising Star Company, and so has retarded work.

Silver City, only about thirty hours from the Central Pacific Railroad, is now the third mineral-producing camp on the Pacific coast. The monthly average is above \$145,000. It is distant from Winnemucca, on the Central Pacific Railroad, two hundred miles, and from Boise City sixty miles, and is a flourishing and prosperous place. Fairview, a thriving village, two miles and a half from Silver City, is in the midst of the most important mines on War Eagle Mountain, furnishing quarters for most of the miners. Miners have been scarce during the year, and wages high.

The quartz interest of Alturas County have been looking up during the year past. Rocky Bar, two hundred and forty miles from Kelton, on the Central Pacific Railroad, is the center of the mining activity of Alturas County.

At Red Warrior, four miles from Rocky Bar, prospecting has developed the fact of the existence of several rich and extensive deposits of gold. The Wide West, a well-developed mine, shows an average this year of about \$90 per ton; the Avalanche, \$104 per ton. The Hard-Up, Victor, Golden Eagle, Union, Richmond, and New York, are more or less developed, giving great promise for the future. In this district are two mills; the Red Warrior, 10 stamps, John McNally, owner; and the Victor, 15 stamps, C. Jacobs, owner. At Rocky Bar, the Pittsburgh and Idaho Mining Company's mine, the Ada Ellmore, is yielding handsomely. The Vishnu, Idaho, Eureka, and Golden Star, are more or less developed, and show an average of about \$60 per ton. In this district are two mills with twenty stamps; also, Graham's arastras, worked by water-power, aided by a Dodge crusher, which very much facilitates the crushing of ore, reducing it to the size of wheat-grains before its introduction into the bed of the arastras.

The great reduction in the cost of milling ores, and of the price of custom-work, to \$8 per ton currency, has aided mining materially in this district, thus enabling men of small means to work their mines and to realize fair remuneration for their labor, and leading to the development of the mineral resources. At Buonaparte district, seven miles from Rocky Bar, the New York and Ohio Mining Company, on the Buonaparte ledge, have erected new and superior machinery, and will soon be on a basis for dividends. Atlanta and Yuba districts, eighteen miles from Rocky Bar, show some new developments. The Monarch Gold and Silver Mining Company's claim on the Atlanta lode, for which they have recently received a certificate for patent, has not been worked during the year past. The Gold-Mining Company of Yuba, an English company, owning the Stanley (silver) and Leonora (gold) mines, are about commencing operations. In Atlanta district are three mills—the Greenback, 10 stamps; the Monarch, 10 stamps; and the Kennebeck, 10 stamps—now the property of the English company. Seven miles from Rocky Bar are three ledges owned by the Pfeiffer brothers, the General Grant, General Sherman, and Crown Point, which give evidence of great wealth, the ore of the Grant being a red quartz, showing black sulphurets, and assaying from \$500 to \$1,000 per ton. During the coming year these mines will be worked extensively, and will add much to the wealth of the county.

The Original, a ledge discovered in June, (quartz gulch, Atlanta,) while placer-mining, shows a rich streak of Ruby silver, extending a considerable distance, and promising a fair ledge.

In Boise County the mines of the Gold Hill Mining Company, at Gold Hill or Quartzburgh, have been yielding a handsome revenue. The mill of this company, a 25-stamp mill, is unsurpassed in mechanism. Several other ledges at this point are being developed.

Banner district, twenty-two miles east of Idaho City, in Boise County, in which is situated the Wolverine, Banner, and other lodes, is to be opened by a wagon-road, and a 10-stamp mill will be erected this season.

At Wauens, the Rescue Mining Company are at work, and other lodes are being developed.

During the year the mineral production of the Territory from all sources was considerably above \$5,000,000, and promises a large increase for the year to come. Never in the history of the Territory has mining been carried on in a more business-like manner and more enterprise shown. I predict that in the near future the quartz mines of Idaho, now in their infancy, will be one of the chief sources of the supply of the mineral wealth of the nation.

The surveys of the exterior boundaries of the Shoshone and Bannock Indian reservation have been made and the field-notes returned to the office, and the plats are being made.

The survey of the Cœur D'Aléne Indian reservation has been suspended for the present, owing to some proposed modification of the treaty. An appropriation should be made to subdivide this reservation, preparatory to making allotments of claims to individuals of the respective tribes.

The greatest of care has been taken to confine the surveys to that portion of the Territory occupied by bona fide settlers to the extent of our small appropriation. There are several isolated valleys settled as yet unsurveyed, but these will be reached as soon as possible and preserve the uniform system of surveys adopted by the Government. As a rule the surveys have been confined to the best agricultural lands, and only some parts of contracts have extended over poor lands, and only the exterior lines have been run in such cases.

A contract has just been let to cover some fractional townships that the deputies thought unfit for settlement, they having been settled since the surveys were made. The truth is, there are thousands of acres that many would call worthless, which will in a few years contain fine farms, and when some general system of irrigation shall be adopted, all our sage lands will produce abundant crops. This has been proven in every instance, when sage lands have been irrigated, by prodigious yields of grain and vegetables.

I must be allowed to call your attention to that portion of my last year's report referring to the time of commencing the field-work under the appropriation. It is a serious mistake, for work done in the spring months will always be found more lasting and permanent, and at the same time at less expense to the deputy. It should be left with the Commissioner of the General Land-Office to order the commencement of field-work at such time as he in his judgment may think most advisable for the benefit of the public service.

I would also recommend the modification of the land-laws, so as to allow persons engaged in agriculture to enter, say, eighty acres of timber-land. The timber is mostly in the mountains and some miles from the agricultural lands, which are being stripped of the timber by lumbermen, rendering the lands worthless except where minerals are found. If some such course could be adopted the lands would be disposed of, and all persons owning lands would be interested in preventing fires in the timber regions.

I am, very respectfully, your obedient servant,

L. F. CARTEE,  
*Surveyor-General of Idaho.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office.*

A.—*Estimate of expenses incidental to the surveys of the public lands in Idaho for the fiscal year ending June 30, 1875.*

Office expenses :	
For salary of surveyor-general .....	\$3,000 00
For salary of clerks.....	4,000 00
For rent of office, messenger, fuel, books, and other expenses .....	2,500 00
	9,500 00
Surveying service :	
For surveying 200 miles, standard lines, at \$18.00.....	\$3,600 00
For surveying 360 miles, exterior lines, at \$12.00.....	4,320 00
For surveying 120 miles, exterior lines, at \$15.00.....	1,800 00
For surveying 2,400 miles, subdivision lines, at \$10.00.....	24,000 00
For surveying 600 miles, subdivision lines, at \$12.00.....	7,200 00
	40,920 00
	50,420 00

*B.—Statement of expenditure of appropriation for compensation of surveyor-general and clerks for his office for the fiscal year ending June 30, 1873.*

1872.		1872.	
To amount paid surveyor-general and clerks, third quarter 1872 .....	\$1, 575 00	By appropriation approved June 10, 1872, as advised by letter from the Department of June 17, 1872 .....	\$7, 000 00
To amount paid surveyor-general and clerks, fourth quarter 1872 .....	1, 725 60		
1873.			
To amount paid surveyor-general and clerks, first quarter 1873 .....	2, 029 18		
To amount paid surveyor-general and clerks, second quarter 1873 .....	1, 666 80		
Balance .....	3 42		
Total .....	7, 000 00	Total .....	7, 000 00

*C.—Statement of incidental and office expenses for the fiscal year ending June 30, 1873.*

1872.		1872.	
To amount expended third quarter 1872 .....	\$497 09	By appropriation approved June 10, 1872, as advised by letter from the Department of June 17, 1872 .....	\$2, 500 00
To amount expended fourth quarter 1872 .....	741 00		
1873.			
To amount expended first quarter 1873 .....	557 21		
To amount expended second quarter 1873 .....	497 85		
Balance .....	206 85		
Total .....	2, 500 00	Total .....	2, 500 00

*D.—Statement of the expenditure of the appropriation for the fiscal year ending June 30, 1873.*

1872.		1872.	
To amount reported for payment on contract No. 32, to Allen N. Thompson .....	\$2, 038 19	By appropriation approved June 10, 1872, as advised by letter from the Department of June 17, 1872 .....	\$30, 000 00
To amount reported for payment on contract No. 35, to John B. David .....	4, 704 45		
To amount reported for payment on contract No. 32, to Allen N. Thompson .....	1, 404 66		
To amount reported for payment on contract No. 33, to Theo. W. Randall .....	1, 135 75		
To amount reported for payment on contract No. 34, to Peter W. Bell .....	4, 121 11		
1873.			
To amount reported for payment on contract No. 37, to George W. Newman .....	4, 229 81		
To amount reported for payment on contract No. 36, to David P. Thompson .....	44 38		
To amount reported for payment on contract No. 33, to Theo. W. Randall .....	3, 718 07		
Balance .....	8, 603 58		
Total .....	30, 000 00	Total .....	30, 000 00

*Statement of the expenditure of the appropriation for surveying the Nez Percé Indian Reservation.*

1873.		1872.	
To amount reported for payment on contract No. 36, to David P. Thompson .....	\$4, 561 29	By appropriation of May 29, 1872, as advised by letter from the Department of June 20, 1872 .....	\$12, 000 00
Balance .....	7, 438 71		
Total .....	12, 000 00	Total .....	12, 000 00



E.—Statement of original maps and copies transmitted to the General Land-Office and to the district offices since the date of my last report.

Descriptive plats	Original.	General Land-Office.	District office.	Total.	When transmitted to the General Land-Office.	When transmitted to the district offices.
Exterior lines of townships 13, 14, 15, and 16 south, through ranges 27, 28, 29 east.	1	1	.....	2	Oct. 28, 1872	.....
Township 14 south, range 28 east.	1	1	1	3	Oct. 28, 1872	Oct. 28, 1872
Township 15 south, range 28 east.	1	1	1	3	Oct. 28, 1872	Oct. 28, 1872
Township 16 south, range 28 east.	1	1	1	3	Oct. 28, 1872	Oct. 28, 1872
Exterior lines of townships 10, 11, 12 south, range 26 east; and of townships 9, 10, 11, 12 south, ranges 27 and 28 east.	1	1	.....	2	Nov. 29, 1872	.....
Township 10 south, range 27 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 11 south, range 27 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 12 south, range 27 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 10 south, range 28 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 11 south, range 28 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 12 south, range 28 east.	1	1	1	3	Nov. 29, 1872	Nov. 29, 1872
Township 16 south, range 27 east.	1	1	1	3	Dec. 10, 1872	Dec. 10, 1872
Township 13 south, range 28 east.	1	1	1	3	Dec. 10, 1872	Dec. 10, 1872
Township 13 south, range 29 east.	1	1	1	3	Dec. 10, 1872	Dec. 10, 1872
Township 15 south, range 29 east.	1	1	1	3	Dec. 10, 1872	Dec. 10, 1872
Township 16 south, range 29 east.	1	1	1	3	Dec. 10, 1872	Dec. 10, 1872
Exterior lines of townships 13, 14, 15, and 16 south, through ranges 25, 26, and 27 east.	1	1	.....	2	Dec. 10, 1872	Dec. 10, 1872
Exterior lines of townships 7, 8, 9, 10, 11, and 12 south, ranges 20, 21, and 22 east.	1	1	.....	2	Dec. 18, 1872	.....
Township 12 south, range 21 east.	1	1	1	3	Dec. 18, 1872	Dec. 18, 1872
Township 10 south, range 22 east.	1	1	1	3	Dec. 18, 1872	Dec. 18, 1872
Township 11 south, range 22 east.	1	1	1	3	Dec. 18, 1872	Dec. 18, 1872
Township 12 south, range 22 east.	1	1	1	3	Dec. 18, 1872	Dec. 18, 1872
Exterior lines of township 9 south, ranges 25 and 26 east; and of townships 10, 11, and 12 south, ranges 24, 25, and 26 east.	1	1	.....	2	Jan. 29, 1873	.....
Township 10 south, range 25 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 11 south, range 25 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 12 south, range 25 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 10 south, range 26 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 11 south, range 26 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 12 south, range 26 east.	1	1	1	3	Jan. 29, 1873	Jan. 29, 1873
Township 33 north, range 2 west.	1	1	1	3	Feb. 1, 1873	Feb. 1, 1873
Township 13 south, range 26 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 14 south, range 26 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 15 south, range 26 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 16 south, range 26 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 13 south, range 27 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 14 south, range 27 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873
Township 15 south, range 27 east.	1	1	1	3	Feb. 10, 1873	Feb. 10, 1873

NEZ PERCÉ INDIAN RESERVATION.

Descriptive plats.	Original.	General Land-Office.	District office.	Indian office.	Total.	When transmitted to the General Land-Office.	When transmitted to the district offices.
Exterior lines of townships 32 and 33 north, ranges 1 and 2 west.	1	1	1	1	4	Feb. 1, 1873	Feb. 1, 1873
Township 32 north, range 1 west	1	1	1	1	4	Feb. 1, 1873	Feb. 1, 1873
Township 33 north, range 1 west	1	1	1	1	4	Feb. 1, 1873	Feb. 1, 1873
Township 32 north, range 2 west	1	1	1	1	4	Feb. 1, 1873	Feb. 1, 1873
Township 33 north, range 2 west	1	1	1	1	4	Feb. 1, 1873	Feb. 1, 1873

F.—Statement showing the condition of contracts entered into since June 30, 1872.

No. of contract.	Name of deputy.	Date of contract.	Character, amount, and locality of work.	Remarks.
32	Allen M. Thompson....	1872. July 1	Exterior and subdivision lines of townships 13, 14, and 15 south, ranges 30 and 31 east.	Surveys completed and notes returned and approved, and plats and transcripts transmitted. NOTE.—The exterior lines of townships 13, 14, 15, and 16 south, ranges 28 and 29 east, and the subdivisions of township 16 south, range 27 east; townships 13, 14, 15, and 16 south, range 28 east, and townships 13, 15, and 16 south, range 29 east, substituted for townships named in contract.
33	Theophilus W Randall.	July 1	Exterior and subdivision lines of townships 13, 14, and 15 south, ranges 32 and 33 east.	Surveys completed and notes returned and approved, and plats and transcripts transmitted. NOTE.—The exterior lines of townships 13, 14, 15, and 16 south, ranges 26 and 27 east, and the subdivisions of townships 13, 14, 15, and 16 south, range 27 east, substituted for townships named in contract.
34	Peter W. Bell.....	July 5	Exterior lines of townships 7, 8, 9, 10, 11, and 12 south, ranges 20 and 21 east, and the subdivisions of townships 11 and 12 south, ranges 20 and 21 east.	Surveys completed, and notes returned and approved, and plats and transcripts transmitted. NOTE.—Townships 7, 8, 9, 10, 11, and 12 south, range 22 east, substituted for range 20 east, and subdivisions of townships 10, 11, and 12 south, range 22 east, substituted for townships 11 and 12 south, range 20 east.
35	John B. David .....	July 12	Exterior and subdivision lines of townships 11 and 12 south, ranges 30, 31, and 32 east.	Surveys completed, and notes returned and approved, and plats and transcripts transmitted. NOTE.—The exterior lines of townships 9, 10, 11, and 12 south, ranges 27 and 28 east, and the subdivisions of townships 10, 11, and 12 south, ranges 27 and 28 east, substituted for townships named in contract.
36	David P. Thompson....	July 8	Subdivision lines of the Nez Percé Indian reservation to the extent of \$12,000.	Surveys of townships 32 and 33 north, ranges 1 and 2 west, completed, and notes returned and approved, and plats and transcripts transmitted; the balance of the work completed, but notes not in office.
37	George W. Newman ...	Aug. 15	Exterior lines and subdivisions of townships 10, 11, and 12 south, ranges 25 and 26 east.	Surveys completed, and notes returned and approved, and plats and transcripts transmitted.
38	John B. David .....	Aug. 24	Exterior lines of townships 13, 14, 15, and 16 south, range 36 and 37 east, and subdivisions of townships 14, 15, and 16 south, ranges 36 and 37 east.	Surveys completed, and notes returned. NOTE.—The exterior and subdivision lines of township 13 south, range 38 east, and of townships 13, 14, 15, and 16 south, range 39 east, substituted for townships named in contract.
39	Allen P. Thompson ....	Aug. 15	Exterior lines and subdivisions of townships 13, 14, 15, and 16 south, ranges 33 and 34 east.	Contract canceled.
40	do .....	1873. April 4	Exterior lines and subdivisions of townships 13, 14, 15, and 16 south, ranges 35 and 36 east.	Surveys completed, and notes returned.

G.—*Statements of descriptive lists sent to local land-offices since the date of my last report.*

Township.	Range.	Date when transmitted.	Township.	Range.	Date when transmitted.
14 south	28 east	June 27, 1873	11 south	22 east	June 27, 1873.
15 south	28 east	do	12 south	22 east	do
16 south	28 east	do	10 south	25 east	do
10 south	27 east	do	11 south	25 east	do
11 south	27 east	do	12 south	25 east	do
12 south	17 east	do	10 south	26 east	do
10 south	28 east	do	11 south	26 east	do
11 south	28 east	do	12 south	26 east	do
12 south	28 east	do	13 south	26 east	do
16 south	27 east	do	14 south	26 east	do
13 south	28 east	do	15 south	26 east	do
13 south	29 east	do	13 south	27 east	do
15 south	29 east	do	14 south	27 east	do
16 south	29 east	do	15 south	27 east	do
12 south	21 east	do	16 south	26 east	do
10 south	22 east	do			

H.—*Tabular list of townships surveyed since the date of my last report, showing the areas of the public lands and Indian reservation.*

No. of townships surveyed.	Description of township.	Area of public lands.
1	Township 14 south, range 28 east	8,052.99
2	Township 15 south, range 28 east	8,044.16
3	Township 16 south, range 28 east	6,623.50
4	Township 10 south, range 27 east	23,337.78
5	Township 11 south, range 27 east	23,330.46
6	Township 12 south, range 27 east	23,395.24
7	Township 10 south, range 28 east	23,211.85
8	Township 11 south, range 28 east	23,254.56
9	Township 12 south, range 28 east	23,319.03
10	Township 13 south, range 28 east	23,371.00
11	Township 13 south, range 29 east	3,783.89
12	Township 15 south, range 29 east	3,830.64
13	Township 16 south, range 27 east	19,357.59
14	Township 16 south, range 28 east	9,125.88
15	Township 12 south, range 21 east	22,083.36
16	Township 10 south, range 22 east	9,577.43
17	Township 12 south, range 22 east	23,051.54
18	Township 10 south, range 25 east	23,634.26
19	Township 11 south, range 25 east	23,132.40
20	Township 12 south, range 25 east	23,611.06
21	Township 10 south, range 26 east	23,573.03
22	Township 11 south, range 26 east	23,103.53
23	Township 12 south, range 26 east	13,805.05
24	Township 13 south, range 26 east	19,317.40
25	Township 14 south, range 26 east	15,363.30
26	Township 15 south, range 26 east	15,361.96
27	Township 13 south, range 27 east	23,369.50
28	Township 14 south, range 27 east	23,268.32
29	Township 15 south, range 27 east	23,258.96
30	Township 16 south, range 26 east	19,707.13
		<b>561,462.41</b>
<b>NEZ PERCÉ INDIAN RESERVATION.</b>		
32	Township 32 north, range 1 west	8,908.35
33	Township 33 north, range 1 west	24,040.00
34	Township 32 north, range 2 west	1,332.35
35	Township 33 north, range 2 west	22,105.74
		<b>55,536.44</b>
	<b>31 townships public lands</b>	<b>561,662.41</b>
	<b>Total area</b>	<b>617,398.85</b>
	<b>139 townships previously reported</b>	<b>2,270,341.10</b>
	<b>10 townships previously reported of Indian reservation</b>	<b>130,088.97</b>
	<b>Total acres surveyed</b>	<b>3,017,828.92</b>

I.—Statement of applications for the survey of mineral lands.

Name of mine.	Mining district.	County.	Character.
Gartson Creek placer mine .....	Lemhi .....	Lemhi .....	Gold.
Clump placer mine .....	do .....	do .....	Do.
Rescue gold mine .....	Washington .....	Idaho .....	Do.
Silver Star quartz mine .....	Lemhi .....	Lemhi .....	Silver.

K.—Names, nativity, &c., of surveyor-general, clerks, &c., for the fiscal year ending June 30, 1873.

Names.	Occupation.	Nativity.	Whence appointed.	Time of service.	Amount.
La Fayette Cartee .....	Surveyor-general .....	New York .....	Idaho Ter. ....	Entire year .....	\$3,000 00
William P. Thompson .....	Chief clerk .....	do .....	do .....	do .....	1,800 00
Daniel Cram .....	Draughtsman .....	New Hampshire .....	do .....	do .....	1,500 00
Theophilus W. Randall .....	Clerk .....	England .....	do .....	130 days .....	559 60
A. R. Booth .....	do .....	Ohio .....	do .....	19 days .....	79 18
Peter D. Rothwell .....	do .....	Canada .....	do .....	14 days .....	57 80
Thomas Couroy .....	Messenger .....	Ireland .....	do .....	Entire year .....	600 00
					7,596 58

K.—Report of the surveyor-general of Utah Territory.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Salt Lake City, Utah, September 15, 1873.

SIR: I have the honor to submit in duplicate the annual report of the surveying service in this district for the fiscal year ending June 30, 1873, together with a map showing the progress of the public surveys, and exhibits from A to E inclusive.

The area of land surveyed during that time amounted to 414,055 acres, and the surveys embraced one hundred and thirty-six miles of standard, two hundred and ninety-eight miles of township, and thirteen hundred and twenty miles of subdivision lines, established at a cost of \$18,821.10, of which \$15,737.73 were paid out of the appropriation of March 3, 1872, and the remaining expenses were covered by individual deposits made for that purpose.

The work was almost entirely confined to lands within the grant to the Central Pacific Railroad Company, the valleys in the immediate vicinity of the Tintic mines, a portion of San Pete Valley, and that section adjacent to and embracing some of the iron deposits of Iron County.

Another survey under contract, and to be made at the expense of individuals who have applied therefor, is approaching completion, and will in all probability include some of the coal-deposits of the same county.

In addition hereto ninety mining-claims were surveyed for patent, at a cost to the applicants of \$2,187 for office-work. These surveys occupied nearly as much time in the examination of field-notes and the preparation of plats as the work under the general appropriation.

The following is an estimate of appropriations required for the surveying service in this Territory for the fiscal year ending June 30, 1875:

For salary of surveyor-general .....	\$3,000
For salary of chief clerk .....	1,800
For salary of draughtsman .....	1,500
For salary of clerk .....	1,400
For rent of office, fuel, books, stationery, and other incidental expenses .....	2,000
For surveying the public lands .....	30,000

Considering the great extent of country yet unsurveyed, the rapid increase of the Territory in population, and its prosperous condition in general, I regard the estimate for field-work as reasonable and just.

In connection with this report, I beg leave to submit some facts relating to the resources of the Territory, coupled with statistics of progress.

## AGRICULTURE.

More grain will be gathered this harvest than ever before in one season. This is owing to a larger yield per acre and the increased area under cultivation.

The land now cultivated amounts to 225,000 acres, a gain over the area of 1869 of 75,000 acres. The total value of farm products the past year was not less than \$6,000,000. Utah has a system of irrigation more extensive than that of any other Territory in the Union, while from the mountain streams alone the area of land susceptible of irrigation is tenfold in excess of that now used for agricultural purposes.

No effort has yet been made to test the feasibility of irrigating lands by means of artesian wells, although it is believed that many valleys, almost wholly unproductive, may be reclaimed through this agency and brought under a high state of cultivation.

It is not probable that Utah will ever produce more grain than will be consumed within her borders. The proportion of tillable land is too small and the expense of irrigation too great to enable her to enter into successful competition with the great grain-producing States of the West.

## MANUFACTURES.

Our manufacturing interests are increasing in every branch. Two of the principal boot and shoe manufactories made 12,000 pairs of boots and shoes the last year. The only paper-mill in operation produced 64,052 pounds of printing and 8,364 pounds of wrapping paper during the same period.

In addition to the numerous flouring, saw, and planing mills, there are in different localities, from Brigham City on the north to the town of Washington on the south, eight woolen-mills, which are manufacturing large quantities and superior qualities of cloth.

Water power is so abundant that it is questionable whether it will ever all be turned to a profitable account.

## MINING INTERESTS.

The mines of coal, iron, and silver, constitute the basis of our wealth.

The great impetus given to all classes of business two years ago was the result of the discovery of vast and extensive deposits of silver-bearing ores, and no credit is due to the mines of coal and iron for the remarkable advancement Utah has made during that time. These interests must, however, prove of great benefit in the future.

The most valuable coal-fields yet discovered are situated in San Pete County. The coal is bituminous, dense and compact, and possesses first-class coking qualities. The seam now being worked averages 3 feet 6 inches in thickness, and is developed by a level 900 feet long, running parallel with the strike of the vein.

More extensive deposits, but said to be of inferior quality, are found in Castle Valley and on the western slope of the Wahsatch range, in Iron County, where one vein has been opened at intervals a distance of fifteen miles southerly from the head of Cedar Creek Cañon.

Other deposits in different localities have been mentioned in previous reports from this office.

It is estimated that we consume 125 tons of coal and 50 tons of coke per diem, while the demand is steadily on the increase.

Bodies of iron-ore are found in the vicinity of the iron springs in Iron County. They occur in the form of ledges, standing nearly vertical, varying from five to twenty feet in width; and, by reason of the more rapid disintegration of the granite walls on either side, stand at some points from 10 to 30 feet above the formation. These outcrops are from 300 to 1,500 feet in length, and their extremes are about ten miles apart.

The mountain slopes are covered for hundreds of feet with fragments of this ore, varying in weight from a few pounds to many tons. The ore is chiefly magnetic, and is said to yield 65 per cent. of metal. All necessary fluxes are near for the proper treatment of the ore.

As the average annual consumption of iron for railroads alone since 1868 is 5,670 tons, it is fair to presume that the manufacture of iron here will prove in time an immense source of revenue.

The mineral belt of silver-bearing ores traverses the territory in a northeasterly and southwesterly direction, and is probably fifty miles in width by two hundred and fifty miles in length.

It is estimated that the yield of the silver mines last year was \$3,055,440.

The network of railroads projected and now being constructed to the numerous mining districts, taken in connection with our agricultural interests, our inexhaustible supply of fuel, and cheap labor, constitutes advantages and facilities unsurpassed in the west for the rapid and economical development of our mineral resources.

## RAILROADS.

Utah is building railroads in several directions, and without aid from the General Government or taxation at home.

Six separate lines of road, aggregating three hundred and sixty-six miles in length, are in operation, and two more lines, one sixteen miles and the other twenty miles long, will be added the present season.

Full particulars as to location were given in my last report, and I have only to state that the money used in their construction has been profitably invested.

## CONCLUSION.

The growth of the Territory is healthy and vigorous. No particular effort is being made to force it into prominence, yet the mineral wealth is commanding the attention of capital, a healthy and invigorating climate is attracting invalids from abroad, while Europe adds annually from two thousand to three thousand farmers and artisans to the population.

The population numbers some 110,000, and although four-fifths of the people are the proselytes of an obnoxious theocratic system, yet they constitute in the main the bone and sinew of the land.

But the Mormonism of the present is not the Mormonism of the past, and will not be the Mormonism of the future. The tendency is toward liberalism—a higher regard for the rights of others—a tendency resulting from circumstances over which the people have no control.

The exaction of one-tenth of all the earnings of the members of the Mormon Church for its support, is bearing its fruits in the general lukewarmness and frequent apostasy of its members. This tithing is not paid promptly and faithfully as in the past, and to-day the revenue derived from that source is not to exceed one-half of the revenue of former years.

Other religious denominations have gained a foot-hold here, and are building churches and establishing schools in various localities.

A large percentage of city property and nine-tenths of all valuable mining property are owned by so-called gentiles, while five of the six railroads were built with their means, and three of those roads are under their absolute control.

It will be seen from all this that agencies are combining which will exert an influence that priestly despotism cannot withstand.

Congress could, however, materially aid in the work of regeneration by enacting a wholesome registry law for the protection of the ballot-box, and another law that would insure us juries free to render verdicts according to law and evidence.

We need legislation of this nature, and with it the rights of all would be guaranteed and Utah would soon become the home of a free and happy people.

All of which is most respectfully submitted.

C. C. CLEMENTS,  
*United States Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner of the General Land-Office.*

## REPORT OF THE COMMISSIONER OF

A.—Statement of surveys of public land completed and in progress during the fiscal year ending June 30, 1873.

Deputy.	Contract.		Surveys.	Extent.	Cost.
	No.	Date.			
Augustus D. Ferron . . . .	32	July 6, 1872	Guide meridian between townships 11, 12, and 13 south, ranges 3 and 4 east. . . . . Third standard parallel south, in ranges 4, 5, and 6 east. . . . . Exterior boundaries of township 11 south, range 3 east; townships 12 and 13 south, range 4 east; townships 14 and 15 south, range 5 east, and township 13 south, range 2 east. Subdivision of townships 10 and 11 south, range 3 east; townships 11 and 12 south, range 4 east; township 12 south, range 5 east; townships 13 and 14 south, range 4 east; townships 14 and 15 south, range 5 east, and township 15 south, range 2 east. Guide meridian between townships 9, 10, 11, and 12 north, ranges 14 and 15 west. . . . . Second standard parallel north, in ranges 15, 16, 17, 18, and 19 west. . . . . Third standard parallel north, in ranges 12, 13, 14, and 15 west. . . . . Exterior boundaries of townships 9 and 10 north, range 15 west; township 12 north, ranges 13, 14, and 15 west; township 13 north, range 13 west; townships 14 and 15 north, range 11 west, and township 12 north, range 12 west. Subdivision of townships 9 and 10 north, range 15 west; township 12 north, ranges 13, 14, and 15 west; township 13 north, range 13 west, and township 14 north, range 11 west. Second standard parallel south, in ranges 2, 3, 4, 5, and 6 west. . . . . Exterior boundaries of township 10 south, range 3 west; township 11 south, ranges 2, 3, 4, 5, and 6 west; township 12 south, ranges 3, 4, 5, and 6 west, and township 13 south, ranges 3 and 4 west. Subdivision of township 10 south, ranges 2 and 3 west; township 11 south, ranges 2, 3, 4, 5, and 6 west; township 12 south, ranges 3, 4, 5, and 6 west, and township 13 south, ranges 3 and 4 west. Second standard parallel north, in range 7 west. . . . . Exterior boundaries of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, range 7 west; township 11 north, range 8 east; township 12 north, range 3 east, and township 9 south, ranges 1 and 3 east. Subdivision of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, ranges 7 and 8 west; township 6 south, range 4 east; townships 7 and 8 south, range 3 east, and township 9 south, ranges 1 and 3 east. Menders of township 9 south, range 1 east. . . . .	16 40 00 16 26 59 48 21 15  316 02 98  94 0 00 28 9 34 32 40 00 81 34 49  366 12 99  98 0 00 97 38 22  442 9 45  3 0 00 69 10 1  191 10 61  00 70 90 1 40 00 3 39 98	\$247 50 244 09 579 17  3,187 87  360 00 380 45 357 40 977 17  3,661 69  300 00 1,169 73  4,481 30  45 00 889 50  1,910 49  8 98 15 00 34 99
George V. M. Boutelle.	33	July 6, 1872	Exterior boundaries of township 11 south, range 2 east; townships 12 and 13 south, range 4 east; townships 14 and 15 south, range 5 east, and township 13 south, range 2 east. Subdivision of townships 13 and 14 south, range 4 east; townships 14 and 15 south, range 5 east, and township 15 south, range 2 east. Guide meridian between townships 9, 10, 11, and 12 north, ranges 14 and 15 west. . . . . Second standard parallel north, in ranges 15, 16, 17, 18, and 19 west. . . . . Third standard parallel north, in ranges 12, 13, 14, and 15 west. . . . . Exterior boundaries of townships 9 and 10 north, range 15 west; township 12 north, ranges 13, 14, and 15 west; township 13 north, range 13 west; townships 14 and 15 north, range 11 west, and township 12 north, range 12 west. Subdivision of townships 9 and 10 north, range 15 west; township 12 north, ranges 13, 14, and 15 west; township 13 north, range 13 west, and township 14 north, range 11 west.	366 12 99	3,661 69
Joseph Gorlinaki . . . . .	34	July 12, 1872	Second standard parallel south, in ranges 2, 3, 4, 5, and 6 west. . . . . Exterior boundaries of township 10 south, range 3 west; township 11 south, ranges 2, 3, 4, 5, and 6 west; township 12 south, ranges 3, 4, 5, and 6 west, and township 13 south, ranges 3 and 4 west. Subdivision of township 10 south, ranges 2 and 3 west; township 11 south, ranges 2, 3, 4, 5, and 6 west; township 12 south, ranges 3, 4, 5, and 6 west, and township 13 south, ranges 3 and 4 west. Second standard parallel north, in range 7 west. . . . . Exterior boundaries of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, range 7 west; township 11 north, range 8 east; township 12 north, range 3 east, and township 9 south, ranges 1 and 3 east. Subdivision of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, ranges 7 and 8 west; township 6 south, range 4 east; townships 7 and 8 south, range 3 east, and township 9 south, ranges 1 and 3 east. Menders of township 9 south, range 1 east. . . . .	98 0 00 97 38 22	300 00 1,169 73
Andrew J. Stewart, sr., and Andrew J. Stewart, jr.	35	Sept. 21, 1872	Exterior boundaries of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, range 7 west; township 11 north, range 8 east; township 12 north, range 3 east, and township 9 south, ranges 1 and 3 east. Subdivision of township 8 south, range 7 west; township 9 south, ranges 6, 7, and 8 west; township 10 south, ranges 7 and 8 west; township 6 south, range 4 east; townships 7 and 8 south, range 3 east, and township 9 south, ranges 1 and 3 east. Menders of township 9 south, range 1 east. . . . .	442 9 45  3 0 00 69 10 1	4,481 30  45 00 889 50
George V. M. Boutelle.	36	Jan. 9, 1873	Exterior boundary of township 11 south, range 1 east. . . . .	191 10 61	1,910 49
Andrew J. Stewart, sr.	37	Dec. 4, 1872	Subdivision of township 11 south, range 1 east. . . . . Exterior boundaries of township 35 south, range 12 west, and township 37 south, range 11 west. . . . . Subdivision of township 35 south, range 12 west, and township 37 south, range 11 west; surveys in progress.	00 70 90 1 40 00 3 39 98	8 98 15 00 34 99
Andrew J. Stewart, jr.	38	May 7, 1873	Exterior boundaries of townships 4 and 5 south, range 9 west; township 39 south, range 6 west; township 34 west; and township 37 south, ranges 9, 14, and 15 west; township 36 south, ranges 13 and 14 west; and township 37 north, ranges 9, 14, and 15 west. . . . . Subdivision of townships 4 and 5 south, range 9 west; township 39 south, range 6 west; township 34 south, range 8 west; township 35 south, ranges 9, 14, and 15 west; township 36 south, ranges 13 and 14 west, and township 37 south, ranges 10, 13, and 14 west; surveys in progress.	1,734 59 65	16,981 10
			Total		

B.—Statement of deposits made by individuals for the survey of agricultural lands during the fiscal year ending June 30, 1873.

Depositor.	Surveys.	Field-work.	Office-work.	Total
Joseph J. Snell	Township 3 south, range 3 east	\$150 00	\$30 00	\$200 00
J. B. Brian	Township 1 south, range 1 east	50 00	50 00	100 00
P. F. Newell et al	Townships 9, 10, and 11 east	400 00	80 00	480 00
Simon P. Egerson et al	Townships 5, 6, 7, 8, and 9 south, ranges 2 and 3 west	325 00	45 00	370 00
Wmny B. Lee et al	Townships 6, 7, 8, and 9 south, ranges 2 and 3 east	150 00	10 00	160 00
William Chapman et al	Townships 8 and 10 south, ranges 7, 8, 9, and 10 west	685 00	15 00	700 00
Jonas H. Erickson and John Keader	Townships 9 and 10 south, ranges 8 west	325 00	.....	325 00
Ortin P. Rockwell and Ortin Rockwell	Townships 8, 9, and 10 south, ranges 6, 7, and 8 west	300 00	.....	300 00
P. L. Shuff et al	Township 1 south, range 1 east	90 00	.....	90 00
M. E. K. Mills et al	Township 37 south, range 11 west	400 00	50 00	450 00
W. Benson Hanks et al	Township 9 south, range 7 west	200 00	.....	200 00
W. E. K. Mills et al	Township 35 south, range 12 west	450 00	.....	450 00
Mary Shaw and Jane Biggs	Township 6, 7, 8, and 9 south, range 11 west	300 00	.....	300 00
Alfred H. Hildmarsh	Township 7 south, ranges 1, 2, and 3 east	45 00	.....	45 00
Hugh White	Township 3 south, range 3 west	75 00	25 00	100 00
Edward Wilcox et al	Township 33 south, range 6 west	1,701 00	150 00	1,851 00
L. E. Harrington et al	Township 34 south, range 8 west; township 35 south, ranges 9 and 14 west; township 36 south, ranges 13, 14, and 15 west; township 37 south, ranges 10, 13, and 14 west.	525 00	50 00	575 00
Levi W. Hancock	Townships 4 and 5 south, range 2 west	200 00	25 00	225 00
Total	Township 4 south, range 6 west	6,401 00	432 00	6,833 00



Statement of deposits made by individuals for the survey of mines during the fiscal year ending June 30, 1873.

[Mines marked \* have been surveyed.]

Depositor.	Name of mine.	Field-work.	Office-work.
<b>WEST MOUNTAIN DISTRICT.</b>			
*J. W. Watson	Eagle Bird		\$22 00
*William M. Johns	Osceola and Lucky Boy, consolidated		22 00
John W. Kerr	Jordan Silver-Mining Company claim		25 00
John W. Kerr	Last Chance "B"		25 00
H. Rogers	Kentucky		25 00
*R. F. Smyth	Crossus		25 00
*George Hardie	Grizzly		25 00
*George Hardie	Northern Light		25 00
*George Hardie	Fairview		25 00
R. P. Lowmsbery	Spanish		25 00
R. P. Lowmsbery	Black Hawk		25 00
R. P. Lowmsbery	Queen		25 00
R. P. Lowmsbery	El Dorado		25 00
R. P. Lowmsbery	Buckeye		25 00
<b>Total</b>			<b>349 00</b>
<b>LITTLE COTTONWOOD DISTRICT.</b>			
*E. A. Wall and Harvey Hardy	Last Chance		22 00
*E. A. Wall and Harvey Hardy	Hiawatha		22 00
*J. S. Wing	Lavinia		25 00
*John Tiernan	Grizzly		22 00
John Tiernan	Pocahontas		25 00
John Tiernan	Baltic		25 00
*John H. Ely	Davenport		22 00
*John P. Taggart	Lady Moorhead		25 00
F. W. Herrman	Horace Greeley		25 00
Utah Silver Mining and Smelting Company of Chicago.	Darlington		25 00
*John H. Ely	Matilda		25 00
*John W. Kerr	Lavinia		25 00
*William B. Donaldson	Enterprise		25 00
*Charles A. Washburne	Excelsior		25 00
*Charles A. Washburne	Imperial		25 00
*Charles A. Washburne	Alice		25 00
Charles A. Washburne	Amy May		25 00
*Walker Brothers	Caledonia		25 00
<b>Total</b>			<b>438 00</b>
<b>BIG COTTONWOOD DISTRICT.</b>			
*Deseret Silver Mining and Smelting Company.	Homeward Bound		22 00
*Charles F. Smith	Congress		25 00
Meeks, Peet & Co	Provo		22 00
<b>Total</b>			<b>69 00</b>
<b>TINTIC DISTRICT.</b>			
*The Eureka Mining Company of Utah.	Eureka		25 00
*The Eureka Mining Company of Utah.	Montana		25 00
*Wendigo Mining Company	Joe Bowers		25 00
*William Lapham	Diamond		25 00
*John Leetham	Manhattan		25 00
*George S. Rust	Argenta		25 00
J. S. Wing	Independence		25 00
J. S. Wing	Argenta No. 2		25 00
J. S. Wing	Albert Paul		25 00
J. S. Wing	Liberty		25 00
J. S. Wing	Governor Woods		25 00
J. S. Wing	Prospect		25 00
J. S. Wing	Bobtail		25 00
J. S. Wing	Hidden Treasure		25 00
J. S. Wing	Tunnel		25 00
J. S. Wing	Mormon Chief		25 00
J. S. Wing	Kentucky Jane		25 00
<b>Total</b>			<b>425 00</b>
<b>CAMP FLOYD DISTRICT.</b>			
*Henry Siegel	Star of the West		22 00
*Silver Cloud Mining Company	Silver Cloud and mill-site	\$43 00	22 00

## Statement of deposits made by individuals for the survey of mines, &amp;c.—Continued.

Depositor.	Name of mine.	Field-work.	Office-work.
<b>CAMP FLOYD DISTRICT—Continued.</b>			
*W. R. Wheaton .....	Red Eagle, American Flag, Lynn, and Black-Hawk, consolidated.		\$25 00
*J. E. Freeman .....	Gentile Belle .....		25 00
Total .....		\$43 00	94 00
<b>OPIHR DISTRICT.</b>			
*The Green Chloride Mining Company.	Green Chloride .....		25 00
*The Green Chloride Mining Company.	Boston Pet .....		25 00
*The Green Chloride Mining Company.	Hattie Evans .....		25 00
*The Green Chloride Mining Company.	Aristotle .....		25 00
*W. S. Godbe .....	Chicago No. 2 .....		25 00
Edward S. Blackwell .....	Silver Shield and Velocipede, consolidated.		25 00
*M. T. Gisborn .....	Monc .....		25 00
*Isaac S. Waterman .....	Saint Louis .....		25 00
P. E. Conner and I. S. Waterman .....	Chloride Point .....		25 00
*F. W. Wiswell .....	Mountain Chief .....		25 00
John S. Houtz .....	Shoo-Fly .....		25 00
*T. F. Tracy .....	Utah Queen .....		25 00
*T. F. Tracy .....	Miami .....		25 00
*T. F. Tracy .....	Converse .....		25 00
*J. R. Walker .....	Silver Chief and mill-site .....		25 00
*J. R. Walker .....	Zella .....		25 00
*J. R. Walker .....	Rockwell .....		25 00
*J. R. Walker .....	Tiger .....		25 00
*J. R. Walker .....	Pioneer mill-site .....		25 00
*Kimball & Lawrence .....	Elgin .....		25 00
*Kimball & Lawrence .....	Brooklyn .....		25 00
*Joseph Marion .....	Gray Eagle No. 2 .....		25 00
*Joseph Marion .....	Vesta .....		25 00
*M. T. Gisborn .....	Noyes .....		25 00
*Isaac Roland .....	Great Western .....		25 00
Total .....			625 00
<b>AMERICAN FORK DISTRICT.</b>			
*R. C. Chambers <i>et al.</i> .....	Wyoming .....		22 00
*W. S. Cooke .....	Sierra .....		22 00
*Henry Siegel .....	Hudson .....		25 00
*Moses Hirschman .....	War Eagle "A" .....		25 00
*J. W. Kennedy .....	War Eagle "B" .....		25 00
*J. W. Kennedy .....	Pittsburgh .....		25 00
*J. W. Kennedy .....	Pioneer .....		25 00
Total .....			169 00
<b>LUCIN DISTRICT.</b>			
*E. Wilkes .....	Morning Star .....		22 00
*E. Wilkes .....	Rising Sun .....		22 00
*E. Wilkes .....	Red Cloud .....		22 00
*E. Wilkes .....	Independence .....		22 00
*E. Wilkes .....	Confidence .....		22 00
*E. Wilkes .....	Empire .....		22 00
*E. Wilkes, agent .....	Sunset .....		22 00
*E. Wilkes, agent .....	Tecoma .....		22 00
*John Helgerson <i>et al.</i> .....	Gladstone .....		25 00
*John Helgerson <i>et al.</i> .....	Shanly .....		25 00
Total .....			226 00
<b>OHIO DISTRICT.</b>			
*R. C. Chambers .....	Homestead and mill-site .....	100 00	22 00
*R. C. Chambers .....	Daniel Webster .....	100 00	22 00
*John Pope .....	Saint Lawrence .....		25 00
*W. E. Blinn .....	Belcher .....		25 00
*Miles Darkee and Luther Washburn .....	Union .....		25 00
*H. W. Lawrence .....	Great Western .....		25 00
*H. W. Lawrence .....	Niagara .....		25 00
Total .....		200 00	169 00

## Statement of deposits made by individuals for the survey of mines, &amp;c.—Continued.

Depositor.	Name of mine.	Field-work.	Office-work.
<b>UMENTAH DISTRICT.</b>			
*George Hearst.....	Ontario and mill site .....		\$25 00
*E. P. Vollum .....	Flagstaff .....		25 00
James Lowe <i>et al.</i> .....	Pinyon and Pinyon Extension .....		25 00
William Jennings, president .....	Walker and Walker Extension consolidated .....		25 00
William Jennings, president .....	Buckey .....		25 00
*W. H. Pitta .....	Nottawa .....		25 00
<b>Total</b> .....			<b>150 00</b>
<b>RUSH VALLEY DISTRICT.</b>			
*Isaac S. Waterman .....	Saint Patrick .....		25 00
<b>UTAH DISTRICT.</b>			
*John Leetham .....	Highland Mary .....		25 00
*John Leetham .....	Sarah .....		25 00
*John Leetham .....	Caroline .....		25 00
*John Leetham .....	Ann .....		25 00
<b>Total</b> .....			<b>100 00</b>
<b>NORTH STAR DISTRICT.</b>			
*P. Edward Conner .....	Temperance .....		25 00
*P. Edward Conner .....	Flora .....		25 00
*Don C. Butterfield .....	Harrington and Hickory consolidated .....		25 00
<b>Total</b> .....			<b>75 00</b>
<b>SAN FRANCISCO DISTRICT.</b>			
*P. Edward Conner .....	Silveropolis .....		25 00
<b>MOUNT NEBO DISTRICT.</b>			
*William Jennings and John Hague .....	Midas .....		25 00
<b>Aggregate</b> .....		\$243 00	2,954 00

## C.—Statement of amount of salaries paid surveyor-general and clerks for the fiscal year ending June 30, 1873; also incidental expenses for the same period.

Name.	Occupation.	Time of service.		Rate of salary.	Amount.
		From—	To—		
Courtland C. Clements .....	Surveyor-general .....	June 30	June 30	\$3,000 00	\$3,000 00
Milton F. Clements .....	Chief clerk .....	June 30	June 30	1,800 00	1,800 00
Bernard A. M. Froiseth .....	Draughtsman .....	June 30	June 30	1,500 00	1,500 00
Julian Bauman .....	Clerk .....	July 19	Aug. 3	1,400 00	57 06
Joseph Gorlinski .....	do .....	Aug. 4	Aug. 23	1,400 00	76 00
Alexander C. S. Forbes .....	do .....	Nov. 11	Nov. 30		
		Jan. 1	April 18	1,400 00	491 50
					6,924 56

## D.—Incidental expenses.

Expended during the first fiscal quarter.....	\$309 00
Expended during the second fiscal quarter.....	527 60
Expended during the third fiscal quarter.....	268 30
Expended during the fourth fiscal quarter.....	261 15
<b>Total</b> .....	<b>1,366 05</b>

*E.—Estimate of appropriations required for the surveying service in the Territory of Utah for the fiscal year ending June 30, 1875.*

For salary of surveyor-general.....	\$3,000
For salary of chief clerk.....	1,800
For salary of draughtsman.....	1,500
For salary of clerk.....	1,400
For office rent, fuel, stationery, incidentals, and messenger.....	2,000
For continuing the survey of the base, meridian, township, and subdivision lines.....	30,000
<b>Total.....</b>	<b>39,700</b>

*L.—Report of the surveyor-general of Nevada.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Virginia City, Nevada, September 6, 1873.*

SIR: In compliance with your instructions, I have the honor to submit the following report, in duplicate, of the operations of this office during the fiscal year ending June 30, 1873, and the accompanying statements relative to the surveying department.

A.—Statement of account of appropriation for compensation of the United States surveyor-general, and the employés in his office, during the fiscal year 1872-'73.

B.—Statement of account of appropriation for surveys of public lands in Nevada, during the fiscal year 1872-'73.

C.—Statement of account of appropriation for rent of office, fuel, books, stationery, and other incidental expenses, including pay of messenger in the office of the United States surveyor-general of Nevada, during the fiscal year 1872-'73.

D.—Statement of contracts entered into by the United States surveyor-general for Nevada, with the number of miles surveyed, during the fiscal year 1872-'73.

E.—List of lands surveyed in the State of Nevada during the fiscal year 1872-'73.

F.—Statement of special deposits with the sub-treasury of the United States, for survey of mineral claims in Nevada during the fiscal year 1872-'73.

G.—List of mineral claims surveyed in the State of Nevada during the fiscal year 1872-'73.

H.—Statement of plats made in the office of the United States surveyor-general for Nevada during the fiscal year 1872-'73.

I.—Statement for the surveying service in the State of Nevada for the fiscal year ending June 30, 1875.

REPORT.

The operations of the surveying service have been confined almost entirely to the survey of agricultural and grazing lands; 118 townships have been surveyed, embracing 1,250,000 acres of agricultural and grazing lands, and 15,500 acres of mineral lands.

It is now a well-established fact that the State of Nevada is to become the leading stock-range upon the Pacific coast; though it presents a dry and arid appearance, yet its foot-hills and valleys abound in the most nutritious of food for cattle. This, with the salubrity of the climate, offers the greatest inducements to stock-raisers.

The topography of the country shows the entire State broken by a succession of mountain-ranges, the general course of which is north and south. Though the summits of these ranges are sometimes covered with snow the entire year, yet in the valleys, during the coldest seasons, snow seldom lies, and cattle are allowed to range throughout the year without housing, and even in mid-winter are driven to the markets ready for the slaughter-pens.

It is only within the past few years that this branch of industry has presented itself. The droughts in California for some years past have been so disastrous to stock-raisers that thousands of head of cattle were shipped to this State, which proved, paradoxical as it may seem, an oasis to their parched plains.

The doubts existing as to the capability of our lands to sustain such a valuable branch of industry are happily dispelled, and to-day our valleys, that were looked upon as vast desert wastes, where only the bark of the coyote was heard, can now count its herds of cattle, sheep, and horses by thousands.

As an evidence of the value attached to our lands, the State surveyor-general reports that during the past year applications for purchase were made for 184,000 acres, comprising only agricultural and grazing lands—an increase of 100,000 acres from last year.

A remarkable degree of prosperity has followed us during the past year in the mining

industry. But few new mineral districts have been discovered, which, no doubt, has been of beneficial result to the State in the concentration of labor, which otherwise would have been migratory.

In the Virginia mining district, in which the Comstock lode is embraced, active operation has been continued throughout the entire year, and though no new extensive bodies of ore have been discovered, yet the prospects of discovery are such as to give the greatest encouragement for further prospecting.

The bonanza of the Belcher and Crown Point mines—dwelt upon in my last year's report—still continues to yield its wealth in unprecedented amounts, and though thousands of tons have been extracted during the past year, still no signs of its exhaustion have been discovered.

From information obtained from the agent of Wells, Fargo & Co.'s Express, the aggregate yield of the Comstock mines from July 1, 1872, to September 1, 1873, was \$22,112,666.34.

Considerable difficulty is experienced in obtaining reliable figures upon the bullion yield of the entire State. Still, from the most accurate data I have been able to draw up the following result of six months' workings of some of our leading mines:

Bullion receipts from March 1 to August 31, 1873.....	\$12,952,539 86
Dividends declared.....	7,064,500 00

The new mineral law of 1872 is found to work admirably in the adjustment of conflicting interests. It has entirely done away with the system of black-mailing that every mine was subjected to in making application for patent under the old law, and few claims of any note in the entire State can now be found that have not taken advantage of its generous provisions.

To facilitate the procurement of patents and to carry out your instructions of June 10, 1872, regarding the appointment of mineral deputies, I have now in the mineral-surveying service nineteen surveyors, who have returned in the last year 122 surveys, embracing 1,111 acres.

The field of operation for the coming year will be confined to the following districts, as their rapid settlement demands immediate attention:

1st. West of the Ruby Valley guide meridian, and south of the fourth standard parallel south.

This district embraces a region of country not yet explored. The portion in the immediate vicinity of the fourth standard comprises of agricultural lands some ten or twelve townships. All of the mountain-land is heavily timbered with white and yellow pine, fir, piñon, and juniper. Distinct traces of mineral veins are found in every range.

2d. East of the Ruby Valley guide meridian, and south of the fourth standard parallel south.

Of this region of country one-half comprises agricultural, mineral, and timber lands. It includes the valleys of Los Vegas, Corn Creek, Indian Creek, Colorado, and the southern part of Rio Virgin. Many of these valleys have Mormon settlements in them. The mountains in the western part are heavily timbered with yellow pine, juniper, and cedar, and contain extensive mineral deposits. The mining districts of Eldorado, Ivonpah, Yellow Pine, Los Vegas, and part of Timber Mountain, are embraced in this region.

3d. Between the second and fourth standard parallels south.

This includes one-half agricultural, timber, and mineral lands. It embraces Muddy and the northern part of Rio Virgin Valleys, and the Great Eastern, Palveanagat, Lake, Pennsylvania, and West Point mining districts. The mountains are well timbered with yellow pine, fir, and juniper.

4th. Between the second standard parallel north, and the second standard parallel south.

Nearly all of the agricultural lands in this district have been surveyed; of the unsurveyed portion one-half is mineral and timber lands, and one-fourth grazing. In the mineral regions are found the districts of Freyberg, Troy, Grant, Seymour, Cave, Patterson, Fairview, Bristol, Highland, Silver Park and Ely—the latter containing, with the exception of the Comstock, the richest and most extensive mineral deposits in the State.

5th. Between the second and fourth standard parallels north.

This district comprises first-class agricultural, grazing, and mineral lands; most of the former have been surveyed. It embraces the mining districts of White Pine, Robinson, San Francisco, Piedmont, Muncy Creek, Nevada, Cooper, Lincoln, and Sacramento.

6th. Between the fourth standard parallel north, and the Central Pacific Railroad.

This is one of the finest agricultural districts in the State, embracing Steptoe, Spring, Deep Creek, and Pilot Valleys. The mountains abound in mineral, and are well timbered. It contains the mining districts of Murphy, Egan, Cherry Creek, Ruby, Green

Springs, Schell Creek, Antelope, Spruce Mountain, Latham and Bald Mountain. The mines thus far developed promise to be productive.

These districts comprise that portion of the State which demands immediate attention. There are still a few isolated tracts within the limits of the Central Pacific Railroad grant, which will probably be surveyed during the coming year.

Very respectfully, your obedient servant,

E. S. DAVIS,  
Surveyor-General.

Hon. WILLIS DRUMMOND,  
Commissioner General Land-Office, Washington, D. C.

A.—Statement of account of appropriation for compensation of the United States surveyor-general and the employes in his office during the fiscal year 1872-'73.

DR.		CR.	
Amount paid quarter ending September 30, 1872 .....	\$2,325	Appropriation .....	\$9,300
Amount paid quarter ending December 31, 1872 .....	2,325		
Amount paid quarter ending March 31, 1872 .....	2,325		
Amount paid quarter ending June 30, 1873 .....	2,325		
Total .....	9,300	Total .....	9,300

B.—Statement of account of appropriation for the surveys of public lands in Nevada during the fiscal year 1872-'73.

DR.		CR.		
Amount paid quarter ending September 30, 1872 .....		Appropriation ..	\$50,000	
Amount paid quarter ending December 31, 1872 .....	\$12,968 19			
Amount paid quarter ending March 31, 1873 .....	20,851 61			
Amount paid quarter ending June 30, 1873 .....	16,172 80			
Balance .....	7 40			
Total .....	50,000 00	Total .....	50,000	
		July 1, 1873	Balance .....	7 40

C.—Statement of account of appropriation for rent of office, fuel, books, stationery, and other incidental expenses, including pay of messenger during the fiscal year 1872-'73.

DR.		CR.		
Amount paid quarter ending September 30, 1872 .....	\$680 25	Appropriation ..	\$3,700	
Amount paid quarter ending December 31, 1872 .....	715 00			
Amount paid quarter ending March 31, 1873 .....	1,075 03			
Amount paid quarter ending June 30, 1873 .....	1,224 93			
Balance .....	4 79			
Total .....	3,700 00	Total .....	3,700	
		July 1, —	Balance .....	4 79

D.—Statement of contracts entered into by the United States surveyor-general for Nevada, with the number of miles surveyed during the fiscal year 1872-73.

Contract No.	Date.	Name of deputy.	Work embraced in contract and returned to this office.	Contract amount.	Miles surveyed.				Returned amount.	Date of transmission.	Remarks.
					Standard.	Township.	Section.	M. C. L.			
51	1872 Aug. 31	A. J. Hatch, J. C. Snyles, and J. H. Eason.	Subdivision lines in township 27 north, and range 56, and township 28 north, range 55 east; also all lines necessary to establish the exterior and subdivision lines in townships 29 and 30 north, ranges 55 and 56 east; townships 27 north, range 56 east; townships 27, 28, 29, and 30 north, ranges 56 and 57 east; townships 31, 32, and 33 north, ranges 40 and 41 east; townships 28, 29, and 30 north, ranges 43 and 44 east; townships 29 north, range 45 east; townships 30 and 31 north, range 46 east; and the subdivision lines in township 34 north, range 38 east; and all lines necessary to complete the subdivision lines of sections 34, 35, and 36 in township 30 north, range 39 east; and in townships 31 and 32 north, range 45 east; Mount Diablo base and meridian.	\$13,000	M. C. L. ....	M. C. L. 57 72 61 *2 70	M. C. L. 321 00 59 *1 18	M. C. L. 411 19 77 *1 06 67 278 53 32 *3 20 74	\$3,906 63 5,366 94 3,694 63	1872 Oct. 27 Nov. 23 Dec. 21	Closed Closed Closed
52	Sept. 7	G. W. Garride...	Exterior and subdivision lines in townships 25 and 26 north, range 18 east; townships 25, 26, 27, 28, 29, 30, and 32 north, range 19 east; and townships 28, 31, and 33 north, range 30 east; township 32 north, range 21 east; township 33 north, range 22 east; Mount Diablo base and meridian.	3,250	10 00 00	96 35 80 *9 07	185 35 50 *41 36	3,250 00	1873 Feb. 18	Closed	
53	Nov. 13	E. B. Monroe and A. G. Bateman.	First standard parallel line north from the corner between ranges 61 and 62 east; to the corner between ranges 66 and 67 east; the Mount Diablo base-line from the Ruby Valley guide-meridian to ranges 69 and 70 east; and the exterior and subdivision lines of township 4 south, range 56 east; townships 1, 2, 3, and 4 south, range 57 east; townships 1 and 2 south, range 68 east; township 1 south, range 69 east; also townships 2 and 3 north, range 70 east; townships 1 and 2 north, range 69 east; township 1 north, range 68 east; townships 1, 2, 3, and 4 north, range 67 east; townships 4, 5, 6, 7, 8, 9, and 10 north, range 66 east; townships 9 and 10 north, range 65 east; Mount Diablo base and meridian.	16,500	84 00 00 30 00 00	263 64 64	322 07 83 *1 48 87 748 46 00 *3 14 28	8,117 78 7,517 53	Mar. 19 May 1	Closed Closed	

54	1873. Nov. 16	A. J. Hatch, J. F. Eaton and J. C. Smyles.	Seventh standard parallel line north through ranges 46, 47, 48, 49, and 50 east; also the exterior and subdivision lines in township 34 north, range 49 east; township 36 north, range 50 east; townships 35, 36, 37, 38, 39, and 40 north, ranges 46, 47, 48, and 49 east; townships 34, 35, and 38 north, range 45 east; Mount Diablo base and meridian.	9,500	28 12 20	199 57 71 1 69 78 168 25	..... ..... 653 75 11 *7 22 63	2,851 61 6,632 22	Jan. 59 Feb. 13	Closed. Closed.
55	1872. Dec. 7	G. W. Garaside....	Subdivision lines township 33 north, range 22 east; also the exterior and subdivision lines in townships 33, 34, and 35 north, ranges 23 and 34 east; townships 35, 36, 37, 38, 39, 40, 41, and 42 north, range 25 east; township 40 north, range 24 east; townships 38, 39, 40, 41, and 42 north, range 26 east; township 42 north, ranges 27 and 28 east; and township 43 north, range 28 east; Mount Diablo base and meridian.	4,500	13 00 00	142 09 48	..... ..... 101 74 91	3,805 77	Apr. 17	Closed.
56	1873. Apr. 1	A. J. Hatch and J. H. Eaton.	Eighth standard parallel line north through ranges 33, 33, and 34 east; subdivision lines in township 33 north, range 53 east; also the exterior and subdivision lines in townships 29 and 30 north, range 46 east; township 41 north, ranges 48, 49, 50, and 51 east; township 42 north, ranges 48, 49, and 50 east; township 43 north, range 49 east; and all lines necessary to complete the subdivision of the agricultural land in township 42 north, range 50 east; and the east 3 mile of the line between sections 11 and 14, township 31 north, range 36 east; Mount Diablo base and meridian.	4,850	18 00 00	104 51 84	..... ..... 332 29 86	4,849 50	June 24	Closed.
<b>Total.....</b>				51,600	188 12 20	1,036 48 67	3,510 27 63	49,992 60		

† Connection on standard.

\* Convergency.



E.—List of land surveyed in the State of Nevada during the fiscal year 1872-73.

Location.	Town- ship.	Range east.	Public land.	Mineral land.	Unsurveyed land, barren.	Total.	
			<i>No.</i> <i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	
Huntington Valley .....	27	56	13, 878. 47		9, 132. 24	23, 000. 71	
	28	55	12, 633. 48		10, 322. 96	22, 956. 44	
	29	55	22, 955. 72			22, 955. 72	
	29	56	20, 073. 20		2, 880. 00	22, 953. 20	
	30	55	3, 837. 50		19, 087. 36	22, 924. 86	
	30	56	7, 287. 94		15, 654. 88	22, 942. 82	
Coal lands on North Fork of Humboldt.	37	56	5, 754. 32		17, 217. 44	22, 971. 76	
	38	56	8, 641. 78		14, 346. 56	22, 988. 34	
	38	57	22, 985. 62			22, 985. 62	
Pleasant Valley .....	27	38	9, 265. 30		13, 711. 08	22, 976. 38	
	28	33	12, 646. 88		10, 314. 56	22, 961. 44	
Battle Mountain .....	28	41	6, 862. 67		16, 118. 20	22, 980. 87	
	29	40	3, 998. 94		18, 943. 04	22, 941. 98	
	29	41	19, 589. 45		3, 364. 80	22, 954. 25	
	30	38	7, 792. 52		15, 113. 60	22, 912. 12	
	30	41	22, 930. 35			22, 930. 35	
	31	41	16, 630. 09		6, 382. 72	23, 012. 81	
	32	40	11, 162. 23		11, 845. 60	22, 007. 83	
Reese River Valley .....	32	41	18, 028. 42		4, 943. 20	22, 971. 62	
	33	40	12, 381. 19	1, 648. 82	8, 800. 00	22, 830. 01	
	34	38	7, 417. 42		15, 528. 00	22, 945. 42	
	28	44	3, 203. 57		19, 164. 64	22, 368. 21	
	29	43	8, 298. 46		14, 627. 08	22, 925. 54	
	29	44	22, 934. 26			22, 934. 26	
	30	43	19, 740. 09		3, 178. 88	22, 918. 97	
	30	44	22, 905. 97			22, 905. 97	
	*31	45	7, 840. 00			7, 840. 00	
	31	46	16, 716. 54		6, 428. 56	23, 145. 10	
Washoe Valley .....	*32	45	4, 788. 40			4, 788. 40	
	*17	19	1, 452. 68			1, 452. 68	
Rock River and Squaw Valleys.....	34	45	11, 631. 41		11, 368. 00	22, 999. 41	
	35	45	22, 934. 33			22, 934. 33	
	35	46	14, 403. 25		8, 547. 35	22, 950. 60	
	35	47	4, 085. 65		18, 835. 64	22, 921. 29	
	36	46	18, 551. 20		4, 478. 34	23, 029. 54	
	36	47	23, 020. 16			23, 020. 16	
	34	49	22, 933. 93			22, 933. 93	
	35	48	2, 562. 72		20, 361. 36	22, 924. 08	
	35	49	22, 927. 39			22, 927. 39	
	36	48	2, 074. 00		20, 889. 00	22, 963. 00	
	36	49	13, 759. 40		9, 264. 32	23, 023. 72	
	36	50	4, 154. 06		11, 076. 54	15, 230. 60	
	37	46	2, 240. 00		20, 762. 56	21, 002. 56	
	37	48	10, 041. 69		12, 966. 00	22, 007. 69	
	37	49	7, 141. 73		15, 820. 56	22, 962. 29	
	38	45	5, 898. 18		17, 081. 44	22, 979. 62	
	38	46	8, 777. 76		14, 180. 28	22, 958. 04	
	38	47	8, 905. 24		14, 074. 80	22, 980. 04	
	39	46	3, 665. 06		19, 355. 60	23, 020. 66	
	39	47	13, 362. 62		9, 609. 84	22, 972. 46	
39	48	9, 054. 84		13, 892. 00	22, 946. 84		
39	49	5, 364. 23		17, 570. 26	22, 934. 49		
40	48	3, 967. 02		18, 939. 84	22, 906. 86		
Smoke Creek Country.....	25	18	6, 414. 22		16, 743. 60	23, 157. 82	
	25	19	1, 884. 06		21, 061. 48	22, 945. 54	
	26	18	3, 520. 00		19, 621. 76	23, 141. 76	
	26	19	9, 758. 80		13, 280. 12	23, 038. 92	
	27	19	4, 001. 12		19, 010. 72	23, 011. 84	
	28	19	5, 122. 38		17, 866. 00	22, 988. 38	
	28	20	1, 096. 36		21, 912. 20	23, 008. 56	
	29	19	4, 004. 77		18, 924. 20	22, 928. 97	
	30	19	10, 251. 00		12, 701. 12	22, 952. 12	
	31	20	7, 017. 91		15, 996. 88	23, 014. 79	
32	21	3, 356. 24		19, 657. 28	23, 013. 52		
33	19	1, 440. 00		21, 542. 40	22, 982. 40		
32	20	7, 977. 44		15, 020. 80	22, 998. 24		
Meadow Valley.....	South	1	67	21, 807. 08	597. 12		22, 404. 20
	1	68	18, 190. 84	4, 296. 04		22, 486. 88	
	1	69	4, 436. 90		17, 598. 00	22, 034. 90	
	2	67	22, 977. 71			22, 977. 71	
	2	68	22, 991. 37			22, 991. 37	
3	67	19, 825. 79	3, 183. 14		23, 008. 93		
4	67	2, 554. 97		20, 479. 28	23, 034. 25		
Eagle, Dry, Rose, and Spring Valleys, and Patterson Wash.	North	1	67	17, 263. 24	5, 760. 00		23, 023. 24
	1	68	23, 033. 82			23, 033. 82	
	1	69	23, 015. 48			23, 015. 48	
	2	67	22, 992. 38			22, 992. 38	

\* Resurvey.

E.—List of land surveyed in the State of Nevada, &c.—Continued.

Remarks.	Town-ship.	Range east.	Public land.	Mineral land.	Unsurveyed land, barren.	Total.
	No.		Acres.	Acres.	Acres.	Acres.
Eagle, Dry, Rose, and Dry Valleys, and Patterson Wash.	2	69	3,040.00	.....	19,950.80	22,990.80
	2	70	3,492.65	.....	19,503.24	22,995.89
	3	67	22,966.36	.....	.....	22,966.36
	3	70	3,832.48	.....	19,172.40	23,004.88
	4	66	17,127.86	.....	5,837.62	22,965.54
	4	67	13,828.81	.....	9,122.16	22,950.97
	5	66	18,744.04	.....	3,542.53	22,286.57
	6	66	23,026.42	.....	.....	23,026.42
	7	66	22,991.70	.....	.....	22,991.70
	8	66	20,083.72	.....	2,876.20	22,959.92
Mud Meadow Valley and Summit Lake.	9	65	6,561.18	.....	16,381.61	22,942.79
	9	66	14,146.69	.....	8,801.20	22,947.89
	10	65	4,057.72	.....	18,995.80	23,053.52
	10	66	11,174.59	.....	11,980.00	23,154.59
	33	22	10,057.70	.....	12,912.80	22,970.50
	33	23	2,079.62	.....	20,909.16	22,988.78
	34	23	7,845.28	.....	15,116.48	22,961.76
	34	24	3,790.60	.....	19,181.40	22,981.00
	35	23	1,440.00	.....	21,480.48	22,920.48
	35	24	1,729.22	.....	21,190.36	22,919.58
Owyhee Valley .....	36	25	3,680.80	.....	19,363.20	23,044.00
	37	25	3,202.40	.....	19,784.68	22,987.08
	38	25	1,600.00	.....	21,365.60	22,965.60
	40	24	5,440.00	.....	17,479.04	22,919.04
	40	25	7,711.42	.....	15,206.48	22,917.90
	41	25	4,640.00	.....	18,400.00	23,040.00
	42	27	5,206.52	.....	17,781.98	22,988.50
	43	28	3,983.12	.....	18,990.08	22,973.20
	41	48	3,523.32	.....	19,506.44	23,029.76
	41	49	3,677.89	.....	19,350.24	23,028.13
Crescent Valley.....	41	50	2,896.14	.....	20,133.08	23,029.22
	41	51	9,291.20	.....	13,750.40	23,041.60
	42	48	7,994.44	.....	15,001.10	22,995.54
	42	49	20,592.75	.....	2,400.00	22,992.75
	42	50	5,254.74	.....	.....	5,254.74
	42	51	8,245.35	.....	14,685.68	22,931.03
Humboldt Valley .....	43	49	22,971.05	.....	.....	22,971.05
	29	46	13,024.26	.....	9,926.72	22,950.98
Humboldt Valley .....	30	46	17,907.95	.....	5,027.28	22,935.23
	*31	36	640.00	.....	.....	640.00
Total.....	33	53	6,207.08	.....	16,786.68	22,993.76
				1,251,345.28	15,485.12	1,339,477.95

\* Resurvey.

F.—List of special deposits with the sub-treasury of the United States for mineral claims in Nevada during 1872-73.

Survey number.	Name of company.	District.	Deputy.	Amount.
38	Joseph R. Partridge .....	4	T. J. Read .....	\$80
39	John Adams and others .....	4	do .....	80
53	F. A. Benjamin and others .....	4	do .....	80
54	C. Simms .....	4	do .....	80
55	Evening Star .....	4	do .....	80
91	W. S. Taft and others .....	4	do .....	80
42	Last Chance .....	8	R. A. Chase .....	70
44	Juniata .....	8	do .....	70
57	Continental .....	4	T. J. Read .....	80
58	Silver Wave .....	4	do .....	80
53	Woodville .....	7	Hugo Hochholzer .....	75
37	Canton Mill and Mining Company .....	4	T. J. Read .....	30
76	Monte Christo .....	7	Hugo Hochholzer .....	75
37	J. B. Osborne and others .....	3	T. J. Read .....	30
38	do .....	3	do .....	30
56	Joseph Potts .....	4	do .....	30
60	San Juan del Rio .....	4	do .....	30
59	Alfred T. Page .....	4	do .....	30
37	W. B. Morse and others .....	4	do .....	30

F.—List of special deposits with the sub-treasury of the United States, &amp;c.—Continued.

Survey number.	Name of company.	District.	Deputy.	Amount.
46	Eureka Consolidated	4	T. J. Read	\$30
45	do	4	do	30
47	do	4	do	30
41	F. Bush and others	4	do	30
37	J. L. Carnaghan	4	do	30
38	V. B. Latham	4	do	30
48	Eureka Consolidated	4	do	30
49	do	4	do	30
42	Monitor Belmont	3	do	30
52	Dardanelles	7	Hugo Hochholzer	30
53	Alhambra	7	do	30
64	Sigmund Steinhardt	4	T. J. Read	30
74	Andee	7	A. J. Hatch	30
73	Beach and Paxton	7	do	30
57	Columbia South	7	Hugo Hochholzer	75
78	Insurance	7	do	30
75	Alban	7	A. J. Hatch	30
77	North Occidental	7	Hugo Hochholzer	30
50	R. A. Fischer	4	E. E. Fine	30
37	Tebama Consolidated	4	T. J. Read	30
38	do	4	do	30
42	A. J. Brown	4	do	30
61	G. L. M. Comstock	4	do	30
62	Joseph Potts	4	do	30
55	Keystone	7	Hugo Hochholzer	30
63	C. W. Kendall	4	T. J. Read	30
45	W. M. Sewell	8	Hugo Hochholzer	30
59	Lyons & Leland	7	do	30
92	James McCann	4	Melville Curtis	30
43	North American	4	T. J. Read	30
65	El Dorado Consolidated	4	do	30
61	Hermann Heynemann	4	do	30
54	do	4	do	30
55	do	4	do	30
52	do	4	do	30
39	J. D. Fry	4	do	30
79	Bullion	7	Hugo Hochholzer	80
53	Hermann Heynemann	4	T. J. Read	30
56	A. L. Selmer and others	4	do	30
57	do	4	do	30
45	Belmont	3	do	30
66	C. W. Kendall	4	do	30
80	Belcher	7	J. H. Eaton	30
61	Seg. Belcher	7	do	30
63	Kossuth	7	do	30
62	Seg. Caledonia	7	do	30
81	Roman Capital	7	do	30
37	Eli H. Rose	4	E. E. Fine	30
38	Lemon Mill and Mining Company	4	do	30
39	do	4	do	30
49	Wm. M. Sewell	8	Hugo Hochholzer	30
46	William Poole	8	do	30
47	Jacob Groth	8	do	30
48	William H. Hall	8	do	30
40	Frank Way	4	E. E. Fine	30
50	A. Mack	8	Hugo Hochholzer	30
38	Hayes Gold and Silver Mining Company	4	T. J. Read	30
54	Southern Gold Hill	7	Hugo Hochholzer	50
67	T. J. Smith	4	T. J. Read	7
66	Dayton	7	J. H. Eaton	7
67	Saint Louis	7	do	75
83	Senator	7	do	75
44	Base Metal	4	T. J. Read	30
68	do	4	do	30
82	Cosmopolitan	7	J. H. Eaton	30
60	Dreadnaught	4	E. E. Fine	30
37	Great Central	5	D. Van Lennep	30
37	Trenton	5	A. J. Hatch	75
37	Virgin	5	do	30
38	Mary Louisa	5	do	30
39	Mountain Rook	5	do	30
69	B. F. Brooks	4	T. J. Read	30
37	Star City Mill-site	5	D. Van Lennep	70
70	B. F. Brooks	4	T. J. Read	30
68	Baltimore American	7	Hugo Hochholzer	75
71	Central No. 2	7	do	(*)
61	Adam Hall	4	T. J. Read	80

\* Resurvey.

## F.—List of special deposits with the sub-treasury of the United States, &amp;c.—Continued.

Survey number.	Name of company.	District	Deputy.	Amount.
62	G. F. Bragg .....	4	T. J. Read .....	\$80
63	do .....	4	do .....	80
37	Railroad .....	5	A. J. Hatch .....	30
41 } 69 }	Arizona .....	7	Hugo Hochholzer .....	30
70	Utah .....	7	do .....	30
71	Imperial .....	4	T. J. Read .....	30
37	Hercules .....	3	do .....	30
65	Richmond .....	4	E. E. Fine .....	30
37	C. R. Messenger .....	5	D. Van Lennep .....	30
84	Julia Claims .....	7	Hugo Hochholzer .....	75
85	do .....	7	do .....	75
86	do .....	7	do .....	75
87	do .....	7	do .....	75
88	do .....	7	do .....	75
45	Mobile and Equality .....	4	T. J. Read .....	30
72	H. McClintock .....	4	do .....	80
89 } 71 }	Occidental .....	7	Hugo Hochholzer .....	75
64	Richmond .....	4	E. E. Fine .....	30
72	Daney .....	7	Hugo Hochholzer .....	75
73	Alta .....	7	do .....	.....
74	Metropolitan .....	7	do .....	.....
72	Gold Hill Tunnel .....	7	do .....	(*)
74	Andes .....	7	do .....	(*)
78	Insurance .....	7	do .....	(*)
67	McKibben .....	7	do .....	(*)
43	Belmont Mining Company .....	3	T. J. Read .....	30
44	W. T. Wright .....	3	do .....	30
	Total .....	.....	.....	4,765

\* Resurvey.

C.—List of mineral claims surveyed in the State of Nevada during the fiscal year 1872-73.

Survey number	Name of company.	Number of mineral district.	Location of claim.			Area in acres.	Date of approval.	Date of transmittal.	Character of lode.
			Mining district.	County.	Township.				
38	Joseph R. Partridge	4	Pinto	White Pine	Unsurveyed	3.93	July 9, 1872	Silver.	
39	John Adams and others.	4	do	do	do	6.80	July 9, 1872	Do.	
53	F. Benjamin and others	4	White Pine	do	do	3.83	July 13, 1872	Do.	
54	C. Shinn and others	4	do	do	do	5.90	July 13, 1872	Do.	
51	W. S. Star	4	do	do	do	2.77	July 13, 1872	Do.	
91	W. S. Taft and others	4	Basco River	Lander	do	9.27	July 15, 1872	Do.	
42	L. S. Chance	8	Emeralda	Emeralda	do	14.52	Aug. 3, 1872	Do.	
47	Constable	4	do	do	do	11.56	Aug. 7, 1872	Do.	
57	Constable	4	White Pine	do	do	6.43	Aug. 12, 1872	Do.	
58	Silver Lake	4	do	do	do	6.30	Aug. 14, 1872	Do.	
53	Wendell	7	Gold Hill	Storey	Township 16 north, range 21 east.	6	Aug. 20, 1872	Do.	
37	Canton Mc and M. Co	4	Robinson	White Pine	Unsurveyed	13.61	Oct. 16, 1872	Do.	
76	Monte Christo	7	Virginia	do	Township 17 north, range 21 east.	21.70	Sept. 2, 1872	Do.	
37	J. B. Osborne and others.	3	Green	Lincoln	Unsurveyed	13.77	Sept. 10, 1872	Do.	
38	do	3	do	do	do	11.94	Sept. 12, 1872	Do.	
56	Joseph Potts	4	White Pine	do	do	4	July 23, 1872	Do.	
60	Stranahan & Co	4	do	do	do	11.02	Oct. 16, 1872	Do.	
59	Alfred T. Pace	4	do	do	do	5.51	Oct. 16, 1872	Do.	
37	W. B. Morse and others.	4	do	do	do	4.24	Oct. 16, 1872	Do.	
46	Eureka Consolidated.	4	Eureka	Lander	do	1.38	Oct. 16, 1872	Do.	
45	do	4	do	do	do	1.77	Oct. 16, 1872	Do.	
47	do	4	do	do	do	1.38	Oct. 16, 1872	Do.	
41	H. Besh and others.	4	White Pine	do	do	16.53	Oct. 16, 1872	Do.	
37	J. L. Cunningham	4	Spruce Mountain	Elko	do	13.77	Oct. 16, 1872	Do.	
38	Y. B. Latham	4	do	do	do	5.33	Oct. 16, 1872	Do.	
48	Eureka Consolidated.	4	Eureka	Lander	do	11.57	Oct. 18, 1872	Do.	
49	do	4	do	do	do	11.57	Oct. 18, 1872	Do.	
42	Monitor Belmont	3	Philadelphia	Nye	do	11	Oct. 10, 1872	Do.	
53	Dardanelles	7	Gold Hill	Storey	Township 16 north, range 21 east.	19.63	Oct. 10, 1872	Do.	
56	Alhambra	7	Devil's Gate	do	do	8.50	Oct. 10, 1872	Do.	
64	Sigmond Steinhart	4	White Pine	White Pine	Unsurveyed	4.39	Oct. 29, 1872	Do.	
74	Andes	7	Virginia	do	Township 17 north, range 21 east	1.06	Oct. 10, 1872	Do.	
53	Beech & Paxton	7	Devil's Gate	do	do	9.18	Oct. 10, 1872	Do.	
77	Columbia South Extension	7	Virginia	do	Township 16 north, range 21 east.	5.50	Oct. 10, 1872	Do.	
75	Insurance	7	do	do	Township 17 north, range 21 east.	3.39	Oct. 11, 1872	Do.	
78	Alban	7	Silver Star	do	do	7.56	Oct. 11, 1872	Do.	
75	North Occidental	4	Eureka	do	do	3.59	Oct. 18, 1872	Do.	
50	R. A. Fisher	4	Schell Creek	Lander	Unsurveyed	13.77	Nov. 22, 1872	Do.	
37	Tehama Consolidated	4	do	do	do	6.80	Nov. 4, 1872	Do.	
34	do	4	White Pine	do	do	4.59	Nov. 1, 1872	Do.	
42	A. J. Brown	4	do	do	do	4	Nov. 1, 1872	Do.	
61	G. L. M. Comstock	4	do	do	do	4	Nov. 1, 1872	Do.	

62	Joseph Potts	do	do	do	9	Nov. 1, 1872	Nov. 16, 1872	Do.
55	Keystone	Gold Hill	do	Township 16 north, range 21 east	12	Nov. 11, 1872 <td>Apr. 23, 1872 <td>Do.</td> </td>	Apr. 23, 1872 <td>Do.</td>	Do.
63	C. W. Kendall	White Pine	do	Unsurveyed	3.74	Nov. 21, 1872 <td>Dec. 6, 1872 <td>Do.</td> </td>	Dec. 6, 1872 <td>Do.</td>	Do.
45	W. M. Sewell	Esmeralda	do	do	5.49	Nov. 11, 1872 <td>Jan. 14, 1873 <td>Do.</td> </td>	Jan. 14, 1873 <td>Do.</td>	Do.
39	Lions & Leland	Devil's Gate	do	Township 16 north, range 21 east	16.92	Not sent	Not sent	Do.
92	James McCann	Roose River	do	do	8.26	Dec. 2, 1872 <td>Dec. 6, 1872 <td>Do.</td> </td>	Dec. 6, 1872 <td>Do.</td>	Do.
43	North American	White Pine	do	do	4.78	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
65	El Dorado Consolidated	Eureka	do	do	6.63	Dec. 28, 1872 <td>Dec. 30, 1872 <td>Do.</td> </td>	Dec. 30, 1872 <td>Do.</td>	Do.
51	Hermann Heynemann	do	do	do	1.84	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
54	do	do	do	do	1.87	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
32	do	do	do	do	1.84	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
39	J. D. Fry	Schell Creek	do	do	7.35	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
79	Bullion	Virginia and Gold Hill	do	Township 17 north, range 21 east	5.51	Dec. 15, 1872 <td>Dec. 18, 1872 <td>Do.</td> </td>	Dec. 18, 1872 <td>Do.</td>	Do.
53	Hermann Heynemann	Eureka	do	Unsurveyed	8.26	Dec. 12, 1872 <td>Dec. 16, 1872 <td>Do.</td> </td>	Dec. 16, 1872 <td>Do.</td>	Do.
56	A. L. Selmer and others	do	do	do	4.25	Dec. 31, 1872 <td>Jan. 2, 1873 <td>Do.</td> </td>	Jan. 2, 1873 <td>Do.</td>	Do.
57	do	do	do	do	4.30	Dec. 31, 1872 <td>Jan. 2, 1873 <td>Do.</td> </td>	Jan. 2, 1873 <td>Do.</td>	Do.
45	Belmont	Philadelphia	do	do	6.91	Jan. 3, 1873 <td>Jan. 8, 1873 <td>Do.</td> </td>	Jan. 8, 1873 <td>Do.</td>	Do.
66	C. W. Kendall	White Pine	do	do	4.39	Jan. 14, 1873 <td>Jan. 14, 1873 <td>Do.</td> </td>	Jan. 14, 1873 <td>Do.</td>	Do.
80	Belcher	Gold Hill	do	Townships 16 & 17 north, range 21 east	22.02	Jan. 23, 1873 <td>Mar. 20, 1873 <td>Do.</td> </td>	Mar. 20, 1873 <td>Do.</td>	Do.
61	do	do	do	do	9.00	Jan. 23, 1873 <td>Mar. 20, 1873 <td>Do.</td> </td>	Mar. 20, 1873 <td>Do.</td>	Do.
64	Segregated Belcher	do	do	Township 16 north, range 21 east	12.39	Jan. 25, 1873 <td>Not sent</td> <td>Do.</td>	Not sent	Do.
63	Rossell	Devil's Gate	do	do	0.46	Jan. 25, 1873 <td>Not sent</td> <td>Do.</td>	Not sent	Do.
62	Segregated Caladonia	Gold Hill	do	do	5.40	Jan. 24, 1873 <td>Feb. 3, 1873 <td>Do.</td> </td>	Feb. 3, 1873 <td>Do.</td>	Do.
81	Roman Capitol	Virginia	do	Township 17 north, range 21 east	3.51	Jan. 20, 1873 <td>Feb. 3, 1873 <td>Do.</td> </td>	Feb. 3, 1873 <td>Do.</td>	Do.
37	Eth H. Jones	Spring Valley	do	Unsurveyed	8.14	Jan. 20, 1873 <td>Feb. 3, 1873 <td>Do.</td> </td>	Feb. 3, 1873 <td>Do.</td>	Do.
38	Lemon Mill and Mining	do	do	do	20.60	Jan. 20, 1873 <td>Feb. 3, 1873 <td>Do.</td> </td>	Feb. 3, 1873 <td>Do.</td>	Do.
39	do	do	do	do	6.88	Feb. 8, 1873 <td>Mar. 31, 1873 <td>Do.</td> </td>	Mar. 31, 1873 <td>Do.</td>	Do.
49	W. M. Sewell	Esmeralda	do	do	4.38	Feb. 11, 1873 <td>Feb. 11, 1873 <td>Do.</td> </td>	Feb. 11, 1873 <td>Do.</td>	Do.
43	William Fools	do	do	do	5.07	Feb. 11, 1873 <td>Feb. 21, 1873 <td>Do.</td> </td>	Feb. 21, 1873 <td>Do.</td>	Do.
47	Jacob Grotis	do	do	do	3.90	Mar. 22, 1873 <td>Mar. 22, 1873 <td>Do.</td> </td>	Mar. 22, 1873 <td>Do.</td>	Do.
48	William H. Hall	Spring Valley	do	do	3.71	Mar. 22, 1873 <td>Mar. 22, 1873 <td>Do.</td> </td>	Mar. 22, 1873 <td>Do.</td>	Do.
50	A. Mack	Esmeralda	do	do	4.71	Feb. 26, 1873 <td>Feb. 26, 1873 <td>Do.</td> </td>	Feb. 26, 1873 <td>Do.</td>	Do.
35	Rayes, G. & S. M	Robinson	do	do	4.59	Feb. 26, 1873 <td>Feb. 26, 1873 <td>Do.</td> </td>	Feb. 26, 1873 <td>Do.</td>	Do.
34	Northern Gold Hill	White Pine	do	Township 16 north, range 21 east	16.22	Mar. 20, 1873 <td>July 1, 1873 <td>Do.</td> </td>	July 1, 1873 <td>Do.</td>	Do.
67	J. J. Smith	White Pine	do	Unsurveyed	11.46	Mar. 20, 1873 <td>Mar. 22, 1873 <td>Do.</td> </td>	Mar. 22, 1873 <td>Do.</td>	Do.
66	Dayton	Lyon	do	Township 16 north, range 21 east	7.42	Mar. 28, 1873 <td>Apr. 3, 1873 <td>Do.</td> </td>	Apr. 3, 1873 <td>Do.</td>	Do.
67	Saint Louis	Gold Hill	do	do	18.36	Mar. 28, 1873 <td>Apr. 3, 1873 <td>Do.</td> </td>	Apr. 3, 1873 <td>Do.</td>	Do.
83	Senator	Virginia	do	Township 17 north, range 21 east	5.51	Apr. 6, 1873 <td>Apr. 10, 1873 <td>Do.</td> </td>	Apr. 10, 1873 <td>Do.</td>	Do.
84	Base Metal Consolidated	White Pine	do	Unsurveyed	19.37	Apr. 10, 1873 <td>May 12, 1873 <td>Do.</td> </td>	May 12, 1873 <td>Do.</td>	Do.
82	Cosmopolitan	Silver Star	do	Township 17 north, range 21 east	9.57	Apr. 23, 1873 <td>May 6, 1873 <td>Do.</td> </td>	May 6, 1873 <td>Do.</td>	Do.
70	Dreadnought	Eureka	do	Unsurveyed	20.35	Apr. 26, 1873 <td>May 6, 1873 <td>Do.</td> </td>	May 6, 1873 <td>Do.</td>	Do.
37	Central	Sierra Humboldt	do	Township 33 north, range 36 east	6.45	Apr. 26, 1873 <td>May 23, 1873 <td>Do.</td> </td>	May 23, 1873 <td>Do.</td>	Do.
37	Fronton	do	do	Unsurveyed	3.86	May 6, 1873 <td>May 6, 1873 <td>Do.</td> </td>	May 6, 1873 <td>Do.</td>	Do.
37	Virginia	do	do	Township 31 north, range 43 east	4.96	May 6, 1873 <td>May 6, 1873 <td>Do.</td> </td>	May 6, 1873 <td>Do.</td>	Do.
38	Mary Louisa	do	do	do	7.35	May 6, 1873 <td>May 6, 1873 <td>Do.</td> </td>	May 6, 1873 <td>Do.</td>	Do.
39	M. L. Book	do	do	do	2.02	May 12, 1873 <td>May 12, 1873 <td>Do.</td> </td>	May 12, 1873 <td>Do.</td>	Do.
60	E. F. Brooks	White Pine	do	Unsurveyed				Silver.

Gold, silver, and copper.

G.—List of mineral claims surveyed in the State of Nevada, &c.—Continued.

Survey num.	Name of company.	Number of mineral district.	Location of claim.			Area in acres.	Date of approval.	Date of transmittal.	Character of lode.
			Mining district.	County.	Township.				
37	Star City Mill Site	5	Star	Humboldt	Unsurveyed	4.98	May 12, 1873	Silver.	
70	E. F. Brooks	7	White Pine	White Pine	do.	4.34	May 12, 1873	Do.	
98	Baltimore American	7	Gold Hill	Storey	Township 16 north, range 21 east	33.03	May 19, 1873	Do.	
61	Central No. 2	7	Virginia	do.	Township 17 north, range 21 east	16.50	May 19, 1873	Do.	
71	Adrian Rails	4	Eureka	Lander	Unsurveyed	4.03	May 16, 1873	Do.	
62	G. F. Bragg	4	do.	do.	do.	13.77	May 17, 1873	Do.	
63	do.	4	do.	do.	do.	3.02	May 16, 1873	Do.	
37	Railroad	5	Echo	Humboldt	do.	19.28	May 19, 1873	Do.	
41	Arizona	7	Gold Hill	Storey	Township 16 north, range 20, 21 east	8.20	May 23, 1873	Do.	
40	do.	7	do.	do.	do.	11.96	May 23, 1873	Do.	
40	do.	7	do.	do.	do.	11.96	May 23, 1873	Do.	
40	do.	7	do.	do.	do.	11.96	May 23, 1873	Do.	
A B	Utah	7	do.	do.	do.	11.96	May 23, 1873	Do.	
71	Imperial	4	White Pine	White Pine	Unsurveyed	3.03	May 28, 1873	Do.	
37	Herentes	3	Essex	Nye	do.	11.02	May 27, 1873	Do.	
65	Rushford	4	Eureka	Lander	do.	3.93	May 23, 1873	Do.	
37	C. R. Messenger	5	Gold Hill	Humboldt	Township 33 north, range 40 east	20.66	May 23, 1873	Do.	
84	Julia	7	Virginia	Storey	Township 17 north, range 21 east	9.29	June 4, 1873	Do.	
85	do.	7	do.	do.	do.	13.77	June 4, 1873	Do.	
86	do.	7	do.	do.	do.	13.77	June 4, 1873	Do.	
87	do.	7	do.	do.	do.	13.77	June 4, 1873	Do.	
88	do.	7	do.	do.	do.	13.77	June 4, 1873	Do.	
83	do.	7	do.	do.	do.	13.77	June 4, 1873	Do.	
45	Mobile and Equality	4	White Pine	White Pine	Unsurveyed	6.56	June 14, 1873	Do.	
72	do.	4	do.	do.	do.	16.50	June 12, 1873	Do.	
72	do.	4	do.	do.	do.	6.56	June 12, 1873	Do.	
89	do.	4	do.	do.	do.	6.56	June 12, 1873	Do.	
89	do.	4	do.	do.	do.	6.56	June 12, 1873	Do.	
74	Occidental	4	Silver Star	Storey	Townships 16 & 17 n th, range 21 east	34.67	June 18, 1873	Do.	
61	Richmond	7	Eureka	Lander	do.	3.30	June 18, 1873	Do.	
72	Dancy	7	Dorville Gate	Lyon	Unsurveyed	13.78	June 19, 1873	Do.	
72	do.	7	Gold Hill	Storey	Township 16 north, range 21 east	27.00	June 26, 1873	Do.	
73	do.	7	do.	do.	do.	Not sent	Not sent	Do.	
74	Merced	7	Dorville Gate	Lyon	do.	2.83	July 23, 1873	Do.	
74	do.	7	Gold Hill	Storey	do.	18.82	July 23, 1873	Do.	
74	Gold Hill Tunnel	7	Gold Hill	Storey	Township 17 north, range 21 east	4.49	June 28, 1873	Do.	
74	Andes	7	do.	do.	do.	0.19	Not sent	Do.	
75	do.	7	do.	do.	do.	0.19	Not sent	Do.	
67	Washoe	7	do.	do.	do.	0.19	Not sent	Do.	
67	McKibbin	7	do.	do.	do.	0.19	Not sent	Do.	
43	Belmont Mining Company	3	Philadelphina	Nye	Unsurveyed	2.75	Oct. 26, 1873	Do.	
44	W. T. Wright	3	do.	do.	do.	2.75	Oct. 26, 1873	Do.	
	Total					1, 111.89	Nov. 16, 1873		

H.—Statement of plats made in the office of the United States surveyor-general for Nevada during the fiscal year 1872-73.

Description.	Original.	Department.	Register.	Sketches of mineral claims.	Sketches for dep-utes.	Total.
Mount Diablo base and standard lines.....	2	2	.....	.....	.....	4
Plats of exterior township lines.....	11	11	.....	.....	.....	22
Plats of townships subdivided.....	117	118	117	.....	.....	352
Plats of mineral claims.....	122	44	122	.....	.....	288
Map of State of Nevada.....	.....	1	.....	.....	.....	1
Map of State of Nevada tracings.....	2	.....	.....	.....	.....	2
Sketches.....	.....	.....	.....	146	6	152
Maps of mining districts.....	10	8	.....	.....	.....	18
Total.....	.....	.....	.....	.....	.....	839

I.—Statement for the surveying service in the district of Nevada for the fiscal year ending June 30, 1875.

For surveying four thousand miles of subdivision lines, twenty-three hundred miles of township lines, and five hundred miles of standard lines.....	\$75, 100
For compensation of surveyor-general.....	3, 000
Salary of four clerks and two draughtsmen.....	9, 300
Rent of office, stationery, and incidental expenses, including pay of messenger.....	4, 400

M.—Report of the surveyor-general of Arizona Territory.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tucson, Arizona, August 11, 1873.

SIR: In accordance with your instructions of March 11 last, I have the honor to transmit herewith, in duplicate, a report of the surveying operations within this district for the fiscal year ending June 30, 1873. Statistical tables and documents accompany this report as follows, viz:

A.—Statement of contracts entered into payable out of appropriation for public surveys in this district for the fiscal year ending June 30, 1873.

B.—Account of appropriation for public surveys.

C.—Account of appropriations for the salary of the surveyor-general, for clerks in his office, and for incidental expenses.

D.—Number and character of plats made.

E.—Statement of the number of miles surveyed.

F.—Statement of surveys of mines and mill-sites.

G.—List of lands surveyed during the year.

H.—Estimates for the surveying service in this district for the year ending June 30, 1875.

Map showing the progress of surveys within this district.

These documents show what has been done by this office during the period to which they refer, and also indicate how and where the present appropriation for public land surveys will be applied.

GENERAL PROGRESS.

Regarding the progress of improvements and population in Arizona since my last annual report there is not much to add to what was then stated. The old settlements have been improved by better buildings, the planting of fruit and shade trees and grape-vines. New settlements have been made, notably on the Little Colorado and Upper Gila Rivers; and, owing to ample supplies of water and convenience to timber,



as well as nearness to large bodies of Indians, (on reservations,) who must be fed for years by the Government, these new communities cannot fail to prosper.

Increased activity in mining interests is specially noticeable. In every county in Arizona the more stable and able citizens are giving a share of their time and means to opening up quartz lodes of silver and gold, and ascertaining their actual worth; and if the Apaches remain quiet, as they have been for some months past, during the next year there will be much work inaugurated on a large and practical scale. A hopeful feature of the labor of prospecting and testing of gold, silver, and copper veins, is that in nearly all cases the expectations of the operators are fully realized. During the past twelve months small lots (in a few instances some tons) of ore from at least one hundred different ledges have been sent to San Francisco for careful analysis, and so far as reported to me, with encouraging results. It is quite expensive to ship ores over one thousand miles, yet many do so to the exhaustion of their purses; but it is only by the labors of such men that the value of the country's mineral resources is first brought to the notice of men of capital, who never or rarely lead in pioneer exploration. It is not only sound public policy, but justice to the advance miner, that the legislation of the nation and the application of it by the General Land-Office gradually increase in his favor; and as evidence of this tendency, claimants, in some instances under my observation, find it to their interest to abandon their old locations, claim them anew and intend to proceed to patent under the latest law and regulations.

Since my report for 1872 the engineers of the Texas and Pacific Railway Company have run several preliminary lines the entire width of the Territory. This grand enterprise is now so energetically under way at both termini that its prospective advantage to Arizona is being anticipated in producing a more contented population, and, with the student of the future, a higher appreciation of property possessions. Substantial men, who either had left the Territory or continually contemplated doing so at the earliest favorable opportunity, are now content and busy making themselves fixtures here.

#### PEACE AND SECURITY, AND TO WHOM DUE.

It is due to truth to say that this desirable condition has been produced more especially by the intelligent, persistent, humane labors of Maj. Gen. George Crook, commanding officer of the military department of Arizona. For many years the Apaches carried on their works of theft and murder almost unresisted in this Territory. Government had spent millions upon millions in useless military operations—certainly operations which did not reduce the number or horrid character of the murders and pillage. Within six months after General Crook was freed from crippling restrictions, with less than the former average number of troops he gave peace and security to Arizona. The duration of this peace and security depends upon, in the opinion of our people, the time the general is continued in command of this department. He is modest, marvelously industrious, just, and as humane as any man can be, and executes measures which all history shows are necessary to good government. However this paragraph may be viewed by those whose location disqualifies them from a proper judgment of the wants and welfare of Arizona and her people of all races and conditions, I am emphatic in my belief that I can in no way render the Territory a better service than by presenting it in my official capacity. Individuals now travel and work when and where they choose without constant apprehension of losing their lives; five months ago none but the fool-hardy would have dared do so. The effect of this new condition upon settlement and improvement none can misinterpret.

#### SPANISH LAND-CLAIMS.

Regarding claims to land under the laws of Spain and Mexico, I have nothing new to present. What appears in my report for 1872 will aptly apply now.

Very respectfully, your obedient servant,

JOHN WASSON,  
*Surveyor-General, Arizona.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office, Washington, D. C.*

A.—Statement of contracts entered into by the United States surveyor-general for Arizona, with deputy surveyors, for surveys of public lands during the fiscal year ending June 30, 1873, and payable out of the appropriation for that year.

Name of deputy surveyor.	Date of contract.	Description of work.	Meridian.	Amount of contract.	Returned amount.	Amount audited.
O. H. Case .....	July 29, 1872	Exterior lines of township 18 north, ranges 4, 5, and 6 west. Range line between townships 19 and 20 north, ranges 3 and 4 west. The fifth standard north, from the corner of townships 20 and 21 north, ranges 3 and 4 west, to the junction with the Colorado River. From the most convenient point on the fifth standard, to extend the exterior lines of eight townships, covering the most developed part of Hualpai mining district. The subdivision lines of township 18 north, ranges 5 and 6 west.	Gila and Salt River ...	\$5,000 00	\$4,656 09	\$4,656 09
Theo. F. White .....	Aug. 30, 1872	Exterior lines of townships 16 and 17 south, ranges 12, 13, and 14 east. Subdivision lines of townships 15 south, range 14 east, and 16 and 17 south, ranges 12, 13, and 14 east.	do .....	5,000 00	5,078 39	5,078 39
O. H. Case .....	Sept. 16, 1872	The exterior lines of township or townships in which is situated the township or townships 33 which are situated the town of Mineral Park, in the Hualpai mining district, and Hardyville, on the Colorado River, both towns in Mohave County, Ariz. The farther extension of exterior lines of townships in the Hualpai mining district to the exhaustion of the balance of \$2,500 after extending lines as hereinbefore stated.	do .....	2,500 00	2,455 19	.....
Theo. F. White .....	Oct. 14, 1872	Exterior lines of townships 18 south, ranges 12, 13, and 14 east, and 13 south, range 15 east. Subdivision lines of township 13 south, range 15 east.	do .....	2,500 00	811 63	811 63
Do .....	Dec. 14, 1872	Subdivision lines of township 18 south, ranges 12, 13, and 14 east .....	do .....	1,800 00	1,798 18	1,798 18

B.—Statement of account of appropriations for the survey of public lands in Arizona during the fiscal year ending June 30, 1873.

Date of account.	In favor of—	Date of contract.	Amount.	Date.	On account of—	Amount.
Jan. 31, 1873	Theo. F. White..	Aug. 30, 1872	\$5,076 39	June 10, 1872	Appropriations of this date....	\$15,000 00
Feb. 6, 1873	..... do .....	Oct. 14, 1872	811 63			
Mar. 6, 1873	O. H. Case .....	July 29, 1872	4,656 09			
Mar. 8, 1873	Theo. F. White..	Dec. 14, 1872	1,798 18			
May 26, 1873	O. H. Case .....	Sept. 16, 1872	2,455 19			
	Balance of appropriation applicable to contracts made previous to June 30, 1873.		200 52			
			15,000 00			15,000 00
				June 30, 1873	Balance of appropriation applicable to contracts made previous to June 30, 1873 .....	200 52

C.—Account of appropriations for the salary of the surveyor-general for Arizona, for clerks in his office, and for incidental expenses for the fiscal year ending June 30, 1873.

DR.

CR.

Date.	Account.	Amount.	Date.	Appropriation.	Amount.
June 30, 1873	To amount paid John Wasson for services as surveyor-general for the year ending this date ..	\$2,934 78	May 8, 1872	By appropriation for compensation of surveyor-general of Arizona, made this date..	\$3,000 00
June 30, 1873	To amount paid clerk and draughtsman during the year .....	3,412 06	May 8, 1872	By appropriation for compensation of clerks.	3,000 00
June 30, 1873	To amount paid for incidental expenses during the year .....	1,358 85	June 10, 1872	By appropriation for compensation of clerks.	1,000 00
June 30, 1873	Balance of appropriation for compensation of surveyor-general .....	65 22	June 10, 1872	By appropriation for incidental expenses.....	2,500 00
June 30, 1873	Balance of appropriation for compensation of clerks.....	587 94			
June 30, 1873	Balance of appropriation for incidental expenses.	1,141 15			
		9,500 00			9,500 00

D.—Statement of plats made in the office of the United States surveyor-general for Arizona during the fiscal year ending June 30, 1873.

Description.	Original.	Department.	Register.	Claimants.	Total.
Plats of standard and township lines.....	7	7			14
Plats of section lines.....	16	16	16		48
Plats of mining claims and mill-sites.....	14	1	14	26	55
General map.....	1	1			2
Total .....					119

E.—Statement of the number of miles surveyed in Arizona during the fiscal year ending June 30, 1873.

Name of deputy surveyor.	Date of contract.	Base.	Meridian.	Standard.	Township.	Section.	Traverse.	Meander.
Theo. F. White . . . . .	May 2, 1873	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>	<i>Ms. chs. lks.</i>
O. H. Case . . . . .	July 29, 1873	6 00 00	6 00 00	110 13 50	47 79 96	59 73 67	59 73 67	
Theo. F. White . . . . .	Aug. 30, 1873				183 67 14	80 75 92		
O. H. Case . . . . .	Sept. 16, 1873				72 20 19	421 10 97		
Theo. F. White . . . . .	Oct. 14, 1873				134 49 00	77 77 30		6 01 46
Do. . . . .	Dec. 14, 1873				35 77 30	38 00 32		
						179 65 50		
<b>Total</b>		42 00 00	46 00 00	116 13 50	473 53 59	857 63 68		6 01 46
Miles surveyed previous to June 30, 1873 . . . . .		42 00 00	46 00 00	228 08 50	1,085 72 57	3,956 31 99	11 78 00	28 38 90
<b>Total miles surveyed to June 30, 1873 . . . . .</b>		42 00 00	46 00 00	344 22 00	1,559 46 16	4,814 15 67	11 78 00	34 40 36

F.—Statement of surveys of mines and mill-sites in Arizona for the fiscal year ending June 30, 1873.

Date of survey.	Designation of claim.	Location.	Area—acres.	Description.	Amount de-posed for Office work.
Mar. 2, 1873	San Xavier mining claim.	Pima County . . . . .	97 27	Lode; argentiferous galena	40 00
Nov. 9, 1873	Arizona Central mining claim . . . . .	Yavapai County . . . . .	50 60	Lode; copper	40 00
Nov. 13, 1873	Copper Mountain mill-site . . . . .	do . . . . .	5 00	do . . . . .	40 00
Nov. 11, 1873	Yonah mining claim . . . . .	do . . . . .	50 60	Non-mineral	40 00
Nov. 11, 1873	Montez mining claim . . . . .	do . . . . .	50 60	Lode; copper	40 00
Jan. 25, 1873	Pisacacho Colorado mining claim . . . . .	do . . . . .	10 33	Lode . . . . .	40 00
Feb. 17, 1873	Discovery location on the Tiger Lode mining claim . . . . .	Pima County . . . . .	5 50	Lode; copper with lead	40 00
Feb. 17, 1873	Second set the tenets of this Tiger Lode mining claim . . . . .	Yavapai County . . . . .	4 59	Lode; silver	40 00
Feb. 18, 1873	Discovery location of the Eclipse Lode mining claim . . . . .	do . . . . .	3 67	Lode; silver	40 00
Feb. 19, 1873	J. L. Taylor & Co.'s claim on the Tiger Lode mining claim . . . . .	do . . . . .	3 67	Lode; argentiferous galena	40 00
Feb. 20, 1873	G. C. Bean & Co.'s claim on the Tiger Lode mining claim . . . . .	do . . . . .	4 59	Lode; silver	40 00
Feb. 21, 1873	Gordon Powers & Co.'s claim on the Tiger Lode mining claim . . . . .	do . . . . .	4 59	do . . . . .	40 00

G.—List of lands surveyed in Arizona for the fiscal year ending June 30, 1873.

Description.	Meridian.	Public land.	Unsurveyed mountain land.
		Acres.	Acres.
Township 14 south, range 14 east .....	Gila and Salt River .....	23,003.53	.....
Township 15 south, range 14 east .....	do .....	23,032.81	.....
Township 16 south, range 12 east .....	do .....	23,455.83	.....
Township 16 south, range 13 east .....	do .....	23,459.37	.....
Township 16 south, range 14 east .....	do .....	23,392.48	.....
Township 17 south, range 12 east .....	do .....	22,938.66	.....
Township 17 south, range 13 east .....	do .....	22,964.11	.....
Township 17 south, range 14 east .....	do .....	22,962.53	.....
Township 13 south, range 15 east .....	do .....	13,595.73	9,435.60
Township 18 south, range 12 east .....	do .....	22,984.40	.....
Township 18 south, range 13 east .....	do .....	22,987.14	.....
Township 18 south, range 14 east .....	do .....	22,982.78	.....
Township 20 north, range 22 west .....	do .....	5,759.05	12,800.00
Township 23 north, range 18 west .....	do .....	22,980.30	.....
Township 18 north, range 5 west .....	do .....	23,004.96	.....
Township 18 north, range 6 west .....	do .....	6,400.00	16,640.00
Total .....		325,903.68	38,875.60
Amount previously returned .....		1,477,124.28	270,931.00
Grand total .....		1,803,027.96	309,806.60

II.—Estimates for the surveying service in the district of Arizona for the fiscal year ending June 30, 1875.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tucson, Ariz., July 8, 1873.

SIR: In compliance with your circular of date March 11, 1873, I have the honor to submit the following estimates for the surveying service within this district for the fiscal year ending June 30, 1875:

For continuing the survey of meridian, standard, township, and section lines.....	\$30,000 00
For salary of surveyor-general.....	3,000 00
For salary of clerks in his office.....	4,000 00
For rent, fuel, lights, and other incidentals.....	2,500 00
Total of estimates.....	39,500 00

Of the sum estimated for public surveys at least \$20,000 will be required to meet the pressing wants of settlers as they will increase without the stimulus certain to be given by the advancing railways and the gradual reduction of the savage Indians to a state of peace. At this time I have requests by actual settlers for surveys of public lands on the Little Colorado River in the eastern part of the district, in the Upper Gila Valley, in the Verde River Valley, and in some of the smaller valleys near the Main Colorado; and, owing to the limited appropriation now available, I cannot comply with any of them. These localities are distant from any established base or meridian, so that, if the settlers were disposed to procure these surveys under the special deposit act, that course would be a grievous burden to them. The present appropriation will be fully exhausted in extending lines to and over lands about Yuma, (formerly Arizona City,) in San Pedro Valley, and township lines over the Wallapai mining-district in Mohave County.

I renew my former recommendation regarding the survey and sale of timber lands, and that not less than \$10,000 ought to be annually expended in surveying that class of land. The best interests of Government and permanent welfare of the Territory could be promoted by the earliest possible survey and sale of all timber lands. The principles underlying the homestead and pre-emption laws are not practically applicable to the mountain timber lands, and none other of considerable value exist in Arizona. The timber of value, and which is being cut and disposed of at a profit by men who would cheerfully buy the land if they had the privilege, lies in rocky and precipitous mountains, totally unfit for permanent homes for settlers, and never will or can be so occupied by them. In addition to timber they may prove valuable for mining, but never for agriculture; hence my unreserved recommendation is for early survey and sale to any and all who care to purchase.

The ordinary interests of Arizona will not be subserved by a less appropriation for

surveys than herein asked, and the business of this office cannot be conducted with less than the several sums estimated for salaries and incidental expenses.

Very respectfully, your obedient servant,

JOHN WASSON,  
*Surveyor-General.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office, Washington, D. C.*

N.—*Annual report of the surveyor-general of California.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*San Francisco, September 26, 1873.*

SIR: I have the honor to submit herewith, in duplicate, my annual report concerning the surveying service in California during the fiscal year ending 30th June, A. D. 1873.

I also forward tabular statements to accompany the report as follows:

A.—Statement of contracts entered into by the United States surveyor-general for California, with deputy surveyors, for survey of public lands during the fiscal year 1872-'73, and payable out of the public appropriation for that fiscal year.

B.—Statement of contracts entered into by United States surveyor-general for California, with deputy surveyors, for surveys of public lands during the fiscal year 1872-'73, and payable out of private deposits, made in conformity with act of May 30, 1862, and March 3, 1871.

C.—Statement of surveys of mines in California during the fiscal year 1872-'73, made in conformity with the acts of Congress approved July 26, 1866, and July 9, 1870, and May 10, 1872.

D.—Statement, showing the number of miles surveyed in California from June 30, 1872, to June 30, 1873.

E.—List of lands surveyed in California from June 30, 1872, to June 30, 1873.

F.—Statement of plats made in the office of the United States surveyor-general for California during the fiscal year 1872-'73.

G.—Statement of transcripts of field-notes of public surveys sent to the Department at Washington from the office of the United States surveyor-general for California during the year 1872-'73.

H.—Statement of descriptive notes, decrees of court, &c., of private land-claims to accompany plats for patent, compiled for transmission to the Department at Washington during the fiscal year 1872-'73.

I.—Statement of special deposits for the survey of public lands in California during the fiscal year 1872-'73.

J.—Statement of special deposits for the survey of mining claims in California during the fiscal year 1872-'73.

K.—Statement of account of appropriation for the survey of public lands in California during the fiscal year 1872-'73.

L.—Statement of account of appropriation for office-rent, stationery, pay of messenger, and incidental expenses of the office of the United States surveyor-general for California for the fiscal year ending June 30, 1873.

M.—Account of the appropriation for the salary of surveyor-general for California for the fiscal year ending June 30, 1873.

N.—Statement of accounts of appropriation for compensation of clerks and draughtsmen in office of the United States surveyor-general for California for the fiscal year ending June 30, 1873.

O.—Statement of special individual deposits with the United States Assistant Treasurer of San Francisco during the fiscal year 1872-'73, for compensation of clerks and draughtsmen in office of the United States surveyor-general for California.

P.—Statement of the special deposits account for the fiscal year 1872-'73.

Q.—Estimate for the surveying service in the district of California for the fiscal year ending June 30, 1874.

SURVEYS OF SPANISH GRANTS.

This branch of the business of the office progresses slowly, there being many difficulties in the way of a final settlement of the surveys of Spanish grants. A number of cases are in court and cannot be surveyed till they are judicially determined, and in some cases the surveys are to be modified, but the owners of the ranches are slow in making the necessary deposit—in fact they argue that, having once paid for the survey, they should not be called upon to pay for such modification of the same as the Government may think proper to make.

Under the present system of requiring the owners of Spanish grants to pay for the surveys of the same, it is found to be exceedingly difficult to carry on this branch of the service with anything like prompt dispatch.

## SURVEYS OF PUBLIC LANDS.

The surveys of public lands have been mostly confined to the northern portion of the State, to wit, in the Humboldt and Susanville land-districts. This portion of the State until recently has attracted but little attention except for mining purposes; hence but little surveying has heretofore been done in that region, but now it is found to be very desirable for purposes of agriculture and grazing, and is very attractive to immigrants; hence I have thought it well to expend the most of the appropriation for the last fiscal year in that district of the State.

## SWAMP AND OVERFLOWED LAND.

Several swamp-land cases are set for hearing during the next two or three months, and perhaps a number more will have to be examined within the next year. The swamp-land question excites much interest in this State, as some of these lands when reclaimed are found to be exceedingly valuable. For instance, the land on Sherman and other islands situated near the junction of the Sacramento and San Joaquin Rivers, which has been reclaimed, is found to be wonderfully productive.

## MINING.

The work of surveying mining claims has greatly increased during the year, and is likely to increase in the future. The act of May 10, 1872, is found to work satisfactorily.

## RAILROADS.

On the Oregon branch of the Central Pacific additional stations have been added as the business increased, and improvements have been made at Sesma station for the accommodation of a large lumber trade which concentrates at that point.

A triangular flume has been constructed some forty miles in length for the floating of lumber from the foot hills of the Sierra Nevada to the railroad.

During the fiscal year ending June 30, 1873, 21.7 miles have been constructed on the Southern Pacific Railroad in San Joaquin Valley, making a total of 42.7 miles to date, and 48.8 miles of branch line of the Southern Pacific Railroad from Fajoro to Soledad.

On the San Joaquin division of the Central Pacific, now 146.3 miles in length, several stations have been added for the accommodation of increased traffic.

Reconstruction of the California Pacific between Davisville and Sacramento has been completed, and the whole line with its branches is now in a first-class condition. The tunnel at Clipper Gap 700 feet in length and the large embankment and excavation connected therewith is now completed; 530 feet of the tunnel is lined with granite, having substantial portals of the same material.

A wagon road is being constructed and will probably be completed during the year from the town of Merced on the line of the railroad to the Yosemite Valley. This will make that locality much more accessible than heretofore, and greatly decrease the labor and expense of travel to said valley.

A narrow-gauge railroad is about being commenced from Benicia to Red Bluffs on the Sacramento River, and also a narrow-gauge railroad is in rapid progress from Saucelito toward Mendocino.

## AGRICULTURE, COMMERCE, ETC.

The present season in California has been ordinary. The wheat crop has scarcely reached an average standard, but the good prices commanded have perhaps more than made up for the deficiency in the quantity produced, so that the wheat-grower has done well.

The grape crop in some localities has been injured by frosts; however, the crop is generally good, and the yield of wine will be large.

A large amount of capital has been invested in ditches for mining purposes, especially for placer and hydraulic working, which has generally proved to be remunerative, and also much attention has been given to the construction of ditches for purposes of irrigation, particularly in the San Joaquin Valley. Farming experience in California shows that wherever water can seasonably be put upon good soil an abundant crop is certain; hence the subject of irrigation is of much interest and importance to the agriculturist.

Wool being one of the staple products of California, much attention has been given to the improvement of the breed of sheep, and with eminent success, as shown by the exhibition of fine stock at the late State fair at Sacramento, at which place were exhibited superb specimens of all the domestic animals known to our country, together with the finest imaginable samples of all the cereals, fruits, vegetables, &c., known to the temperate zone, and also many of the semi-tropical productions; all of which show that the climate of California is peculiarly adapted to the raising of fine stock, and that her valleys and plains generously reward the patient labors of the husbandman.

Very respectfully, your obedient servant,

J. R. HARDENBERGH,

*United States Surveyor-General for California.*

Hon. WILLIS DRUMMOND,

*Commissioner General Land-Office, Washington, D. C.*

A.—Statements of contracts entered into by the United States surveyor-general for California with deputy surveyors for surveys of public lands during the fiscal year 1872-73, and payable out of the public appropriation of \$51,000 for that year.

Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Remarks.
John M. Ingalls.....	July 1, 1872	Survey all lines necessary to subdivide township 1 south, ranges 4 and 5 east; township 2 south, ranges 3, 4, and 5 east; township 3 south, ranges 4, 5, and 6 east; township 4 south, ranges 4, 5, and 6 east; township 5 south, ranges 4 and 6 east.	Humboldt.....	\$13,000	\$5,859 43	Surveys completed and approved; plats and field-notes transmitted; a portion of the account audited.
Frank S. Ingalls.....	July 1, 1872	Survey all lines necessary to subdivide township 1 south, range 3 east; township 1 north, ranges 3, 4, and 5 east; township 2 north, ranges 4 and 5 east; township 3 north, ranges 4 and 5 east; township 4 north, ranges 3 and 4 east; township 5 north, ranges 3 and 4 east.	do.....	12,000	{ 6,449 51 5,372 55 }	{ Surveys completed and approved; plats and field-notes transmitted; account audited.
Wilfred F. Ingalls.....	July 1, 1872	Survey all lines necessary to subdivide townships 46, 47, and 48 north, range 7 east; townships 46 and 47 north, range 8 east.	Mount Diablo.....	3,500	3,614 36	Do.
George Small.....	July 1, 1872	Survey all lines necessary to subdivide township 44 north, ranges 8, 9, and 10 east; township 45 north, ranges 8, 9, and 10 east; township 46 north, ranges 9 and 10 east; township 47 north, range 9 east; township 48 north, range 5 east.	do.....	8,500	.....	Surveys completed and approved; plats and field-notes transmitted; account sent April 14, 1873.
William Minto.....	July 12, 1872	Survey all lines necessary to extend the fifth standard north from the established corner on the south boundary of section 35 of township 20 north, range 1 east, eastward to the northeast corner of township 35 north, range 4 east, and to subdivide township 25 north, range 4 east; township 24 north, range 3 east; township 33 north, range 4 east; and complete the subdivision of township 23 north, range 3 east.	do.....	4,000	2,739 09	Surveys completed and approved; plats and field-notes transmitted; account audited February 7, 1873.
John C. Partridge.....	July 12, 1872	Survey all lines necessary to subdivide townships 23, 24, and 25 north, range 2 east; township 25 north, range 3 east.	do.....	000	.....	Surveys completed and approved; plats and field-notes transmitted; account transmitted April 17, 1873.
George Small.....	Aug. 1, 1872	Survey all lines necessary to subdivide township 44 north, range 5 east; township 45 north, ranges 3 and 4 east.	do.....	2,500	1,272 93	Surveys completed and approved; account audited February 7, 1873.
E. W. Brown.....	Sept. 4, 1872	Survey the exterior and subdivision lines of townships 18 and 19 north, range 14 east.	do.....	2,350	.....	Surveys completed and approved; plats and field-notes transmitted; account transmitted June 30, 1873.
H. M. Hayes.....	Sept. 7, 1872	Subdivide townships 13 and 14 south, ranges 7 and 8 east, retracing such ranch-lines as may be necessary	do.....	2,000	1,419 33	Survey completed and approved; plats and field-notes transmitted; account audited and paid.

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A.—Statement of contracts entered into by the United States surveyor-general for California with deputy surveyors, &c.—Continued.

Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Remarks.
John C. Partridge.....	Sept. 20, 1872	Survey the exterior and subdivision lines of township 26 north, ranges 3 and 4 east.	Mount Diablo...	\$1,600	.....	Surveys completed and approved; plats and field-notes transmitted; account sent April 17, 1873.
Wilfred F. Ingalls.....	Sept. 23, 1872	Survey all lines necessary to subdivide townships 42, 43, 44, and 45 north, ranges 6 and 7 east.	.....do.....	7,200 00	\$6,753 10	Surveys completed and approved; plats and field-notes transmitted; account audited March 25, 1873.
William Minto.....	Sept. 25, 1872	Subdivide townships 17 and 18 north, range 6 west.	.....do.....	1,500 00	1,128 31	Do.
William Minto.....	Oct. 23, 1872	Resurvey the Mount Diablo meridian line in township 19 north, as surveyed by F. R. Loring in 1857, extending the same north to the south line of Slausisco, and making the proper correction with the southeast corner of the same, also connecting with the nearest established section corners on the west of said meridian line.	.....do.....	300 00	305 62	Do.
H. M. Hayes.....	Oct. 26, 1872	Survey all lines necessary to subdivide township 15 south, range 7 east.	.....do.....	500 00	762 91	Do.
William H. Norway.....	Apr. 21, 1873	Survey all lines necessary to subdivide the two western tiers of sections in township 5 north, range 28 west.	San Bernardino	350 00	.....	Surveys completed and approved; plats and field-notes transmitted; account sent July 17, 1873.
William Minto.....	June 28, 1873	Extend the fifth standard south from the established quarter-section corner on the north boundary of section 4, of township 31 north, range 30 east; eastward through ranges 30, 31, 32, 33, 34, and 35 east; and to subdivide township 19 south, ranges 35 east; and townships 30 and 31 south, ranges 34 and 35 east.	Mount Diablo...	2,600 00	.....	Deputy in the field.
H. H. Sandford.....	June 28, 1873	Complete the subdivision of township 16 north, range 4 east.	.....do.....	200 00	.....	Do.
A. A. Smith.....	June 30, 1873	Subdivide the surveyable portions of township 27 north, range 10 east; townships 26 and 27 north, range 11 east.	.....do.....	400 00	.....	Do.

J. R. HARDENBERGH,  
United States Surveyor-General for California.

B.—Statement of contracts entered into by the United States surveyor-general for California with deputy surveyors for survey of public lands during the fiscal year ending June 30, 1873, and payable out of private deposits, made in conformity with the act of March 3, 1871.

Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Names of depositors.	Remarks.
Ezra Carpenter.....	July 6, 1872	Subdivide Tp. 26 S., R. 16 E.....	Mount Diablo.....	\$600 00	\$600 00	R. B. Turner, B. F. Nosker, et al.	Survey completed and approved; plats and field-notes transmitted; account audited. Do.
Robert R. Harris.....	July 8, 1872	Survey the exterior and subdivision lines of Tp. 28 S., R. 16 E.	do	888 00	302 25	John Cahill, John Welch, et al.	Do.
Rufus F. Herrick.....	July 9, 1872	Complete the subdivision of Tp. 5 N., R. 1 E.	Humboldt.....	40 00	40 00	Peter Anderson, J. J. Juhl, et al.	Do.
Rufus F. Herrick.....	July 9, 1872	Survey the east boundary, and subdivide Tp. 3 N., R. 1 E.	do	732 00	673 02	J. A. McLeod, B. F. Osgood, et al.	Do.
F. L. Ripley.....	July 17, 1872	Subdivide and retrace each ranch line as may be necessary Tp. 18 S., R. 2 E.	Mount Diablo.....	585 00	.....	Louis B. Tully, J. R. Williams, et al.	Survey made; returned to deputy for correction.
George B. Tolman.....	Aug. 24, 1872	Complete the corner boundaries and subdivide Tps. 23 and 24 S., R. 17 E.	do	957 00	957 00	J. W. Fatten, J. M. Welch, et al.	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
William S. Lowdon.....	Aug. 31, 1872	Complete the exterior boundaries and subdivide lines of Tp. 33 N., R. 8 W.	do	214 00	.....	J. A. Blakemore, John H. Smith, et al.	Survey completed and returns made; field-notes on file awaiting order for examination.
George B. Tolman.....	Sept. 2, 1872	Complete the survey of the south boundary, and subdivide Tp. 24 S., R. 16 E.	do	350 00	.....	J. W. Lovell and H. W. Lovell.	Survey completed and approved; field-notes plated and transcript made.
Isaac M. Chapman.....	Sept. 6, 1872	Survey the exterior and subdivision lines of Tp. 11 N., R. 12 W.	do	498 00	743 94	J. M. Sherburne, S. Scott, J. Perry, James Samuels, and L. N. Ambrose.	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
Ebenezer Hadley.....	Sept. 6, 1872	Subdivide the lands lying south of the Rancho Santa Ana del Chino in Tp. 9 S., R. 8 W.; complete the south boundary of said township, and resurvey each rancho line as may be necessary.	San Bernardino	148 00	.....	H. McHurt.....	Survey completed and approved; field-notes plated and transcript made.
Rufus F. Herrick.....	Oct. 14, 1872	Complete the subdivision of Tp. 2 N., R. 1 W.	Humboldt.....	175 00	.....	A. T. Baker.....	No returns yet made by dep'y.
Hubbard Savage.....	Nov. 1, 1872	Subdivide Tp. 11 N., R. 11 W.....	Mount Diablo.....	204 00	204 00	Patrick Purcell and James Abshire.	Surveys completed and approved; plats and field-notes transmitted; accounts audited and closed. Do.
William Minto.....	Nov. 8, 1872	Complete the exterior boundaries and subdivide Tps. 22 and 23 S., R. 14 E.	do	1,888 00	1,888 00	George Woods, William James, et al.	Do.
William Minto.....	Nov. 9, 1872	Complete the exterior boundaries and subdivide Tp. 20 S., R. 12 E.	do	987 00	750 00	Erman Rodgers and Charles A. Merrill.	Do.

B.—Statement of contracts entered into by the United States surveyor-general for California, &c.—Continued.

Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Names of depositors.	Remarks.
Fred. J. Saxe.....	Nov. 19, 1872	Complete the exterior boundaries and subdivide Tp. 25 and 26 S., R. 17 E.	Mount Diablo.....	\$1,212 00	.....	Fred. Whittaker and Edward Burton <i>et al.</i>	Surveys of one township completed and approved; plats and field notes transmitted; account sent August 7, 1873.
Hubbard Savage.....	Dec. 17, 1872	Survey west end part of south boundary and subdivide that portion of Yokava Rancho, lying west of the subdivision lines of Tp. 1 N., R. 1 E.; Tp. 1 S., R. 1 W.; Tp. 4 S., R. 3 E.; Tp. 5 S., R. 3 E.; Tp. 5 S., R. 7 E.	do.....	176 00	\$125 24	William McClintock.....	Surveys completed and approved; plats and field notes transmitted; account audited and closed.
John C. Partridge....	Dec. 28, 1872	Complete the exterior boundaries and subdivide Tp. 6 S., R. 4 E.; Tp. 6 S., R. 5 E.; Tp. 6 S., R. 6 E.; and complete the subdivision lines of Tp. 3 N., R. 9 and 10 E.	do.....	4,000 00	.....	Union Pacific Railroad Company.	Surveys completed and returns made; field-notes on file; not yet plated.
William Minto.....	Jan. 6, 1873	Complete the exterior boundaries and subdivide Tp. 13 N., range 11 W.; Tp. 14 N., R. 12 W.	do.....	1,517 00	1,360 00	S. Howell, G. W. Neece, <i>et al.</i>	Do.
William H. Norway...	Jan. 6, 1873	Subdivide the land in Tp. 6 N., R. 33 W., lying between the ranchos "Santa Rosa," "Santa Rita," and "Cañada de Salsipuedes," on the north and San Julien on the south; and to subdivide the land in Tp. 6 N., range 34 W., lying between the ranchos Cañada de Salsipuedes and San Julien.	San Bernardino.	450 00	446 73	John Keyes.....	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
John Goldsworthy....	Jan. 13, 1873	Complete the exterior boundaries and subdivide of Tp. 8 N., R. 15 W., and to connect the boundary of the rancho La Liebre with the section lines already established in said township.	do.....	361 00	.....	James Gorman.....	Surveys completed and returns made; field-notes on file awaiting order for examination.
Hubbard Savage.....	Jan. 14, 1873	Complete the exterior boundaries of Tp. 15 N., R. 13 W., and subdivide that portion of said township lying east of the Yokava Rancho.	Mount Diablo.....	360 00	142 51	William McClintock.....	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
E. J. Edwards.....	Jan. 17, 1873	Complete the south boundary and the subdivision of Tp. 15 N., R. 4 W.	do.....	392 00	.....	James Catlin, E. V. Green, <i>et al.</i>	Field-notes returned to deputy for correction.

William P. Reynolds	Jan. 18, 1873	Complete the exterior boundary of Tp. 1 N., R. 11 W., and to subdivide that portion of said township not included within the lines of Mexican grants.	San Bernardino	618 00	Ranson Williams, M. D. Beall <i>et al.</i>	No returns yet made by deputy.
William Minto	Jan. 30, 1873	Survey the south and east boundaries of Tp. 12 N., R. 11 W., and subdivide same.	Mount Diablo	285 00	W. F. Garrett	Surveys completed and approved; plats and field-notes transmitted; account sent July 14, 1873.
Rufus T. Herrick	Feb. 3, 1873	Complete the exterior boundaries and to subdivide Tp. 7 N., R. 1 E.	Humboldt	720 00	L. A. Truesdale, Charles Corbay <i>et al.</i>	Surveys completed and approved; plats and field-notes ready for transmission.
John Goldsworthy	Feb. 7, 1873	Complete the subdivision of Tp. 2 S., R. 7 W.	San Bernardino	123 00	Daniel Cline	Surveys completed and returns made; field-notes on file awaiting order for examination.
William H. Norway	Feb. 11, 1873	Complete the exterior boundaries and subdivide Tp. 5 N., R. 31 W.	do	500 00	Ira Pierce, John Daniels <i>et al.</i>	Surveys completed and approved; field-notes, account audited and closed.
George H. Perrin	Feb. 11, 1873	Complete the exterior boundaries and to subdivide Tp. 10 N., R. 11 W.	Mount Diablo	732 00	Lemuel Lytton, Alouza Caldwell <i>et al.</i>	Surveys completed and approved; field-notes plated and transcript made.
George E. Tolman	Feb. 14, 1873	Complete the exterior boundaries and subdivision of Tp. 14 S., R. 24 E.	do	280 00	C. F. Cherry, John H. Byrd <i>et al.</i>	Surveys completed and approved; plats and field-notes transmitted; account made August 7, 1873.
William Minto	Feb. 20, 1873	Subdivide Tps. 20, 21, and 22 S., R. 11 E.; Tp. 21 S., R. 12 E.	do	1,217 50	M. and J. Luther	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
Hubbard Savage	Feb. 24, 1873	Survey the east boundary, subdivision, and meander lines of Tp. 11 N., R. 16 W.	do	317 00	Frank Growsong and H. O. Simplet.	Surveys completed and approved; plats and field-notes transmitted; account made July 14, 1873.
Charles B. Thomas	Feb. 27, 1873	Complete the subdivision of Tp. 7 N., R. 7 W.	do	48 00	P. E. Wickes	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
S. W. Smith	Mar. 5, 1873	Subdivide the land lying north of the rancho San Lorenzo, Tp. 18 S., R. 8 E.	do	96 00	James F. Breen	Surveys completed and approved; plats and field-notes ready for transmission.
E. J. Edwards	Mar. 16, 1873	Complete the exterior boundaries and to subdivide Tp. 13 N., R. 9 E.; Tp. 16 N., R. 12 E.; and to complete the subdivision of Tp. 15 N., R. 11 E.	do	60 00	M. A. Britton	Field-notes returned to deputy for correction.
A. A. Smith	Mar. 22, 1873		do	2,000 00	C. P. R. R. Co.	No returns yet made by deputy.

B. Statement of contracts entered into by the United States surveyor-general for California, &c.—Continued.

Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Names of depositors.	Remarks.
Hubbard Savage	Mar. 24, 1873	Complete the subdivision of Tp. 16 N., R. 17 W.	Mount Diablo	\$228 00	\$228 00	Samuel Pullen and Geo. Pierce.	Surveys completed and approved; field-notes and plats transmitted; account audited and closed.
William Minto	Mar. 25, 1873	Complete the south boundary and subdivide Tp. 7 S., R. 8 W.	do	419 00	383 69	W. E. Higgins, D. C. Pitts, et al.	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
William Minto	Apr. 9, 1873	Complete the exterior boundaries and subdivision of Tp. 20 S., R. 27 E.	do	273 75	.....	Francis M. Kibbler	Surveys completed and approved; plats and field-notes transmitted; account sent July 1, 1873.
William Minto	Apr. 10, 1873	Complete the exterior boundaries and subdivide Tp. 20 S., R. 28 E.	do	864 00	318 75	P. G. Twohy, M. Mooney, et al.	Survey completed in part; approved; plats and field-notes transmitted; account audited.
George B. Tolman	Apr. 11, 1873	Complete the exterior boundaries and subdivide Tp. 1 N., R. 21 W.; Tp. 2 N., R. 20 and 21 W.; retracing such rancho lines as may be positively necessary.	San Bernardino	719 00	.....	Robert Riggs, Robert Buckingham, Charles Brooks, et al.	Do.
T. H. Hard	Apr. 14, 1873	Complete the exterior boundaries and to subdivide Tp. 13 N., ranges 11, 12, 13 and 14 E.	Mount Diablo	4,250 00	.....	Central Pacific Railroad Company.	Survey completed and returned; field-notes not plated.
William Minto	Apr. 30, 1873	Complete the exterior boundaries and to subdivide Tp. 30 N., R. 3 E.	do	1,140 00	.....	W. E. Greene	Do.
Wm. H. Norway	May 9, 1873	Complete the subdivision of Tp. 6 N., R. 31 W.; Tp. 5 N., R. 32 W.	San Bernardino	99 00	.....	Henry Pierce	Surveys completed and approved; plats and field-notes ready for transmission.
Ezra Carpenter	May 20, 1873	Complete the exterior boundaries and to subdivide Tp. 22 S., R. 12 E.	Mount Diablo	540 00	.....	J. A. Turner, Noah H. Turner and Geo. Taylor.	Do.
William Minto	May 23, 1873	Complete the exterior boundaries and to subdivide Tp. 9 N., R. 8 W.	do	638 00	.....	Charles B. Rice, Thomas Brooka, et al.	Surveys completed and returns made; field-notes on file awaiting order for examination.
William Minto	May 29, 1873	Complete the subdivision of Tp. 11 N., R. 2 W.	do	336 00	.....	A. O. Brown, M. White, et al.	Do.
Thos. J. Dewoody	June 3, 1873	Complete the subdivision of Tp. 9 N., R. 6 W.	do	30 00	.....	J. H. Cowan	Surveys completed and approved; plats and field-notes ready for transmission.

William S. Lowden.. June 9, 1873	Survey the exterior boundaries of the town-site of Weaverville, in Tp. 33 N., R. 9 and 10 W., and connect the same with the nearest established corner of the public surveys running on section-lines, if possible, and establishing section and quarter-section corners on the connecting line. Complete the exterior boundaries and to subdivide Tp. 30 N., R. 9 E.	.....do .....	116 00	E. B. Lovjoy, county judge.	Surveys completed and returns made; field-notes on file and awaiting order for examination. Weaverville, Trinity County, California.
T. H. Ward ..... June 30, 1873		.....do .....	1,082 00	Lawson S. Welton, K. Powell, et al.	No returns yet made by deputy.

J. R. HARDENBERGH  
 United States Surveyor-General for California.

C.—Statement of surveys of mines in California for the fiscal year 1872-73, made in conformity with the acts of Congress approved July 26, 1866, and July 9, 1870.

Approval of survey.	Name of mine.	Location.
Aug. 29, 1872.	App Gold Quartz	Tuolumne County.
Mar. 18, 1873.	Anglo Saxon Quartz Mine and Mill-Site	Calaveras County.
July 10, 1872.	Big Channel Gold Placer	Placer County.
Dec. 19, 1872.	Bed-Rock Tunnel Gold Placer	Trinity County.
Dec. 16, 1872.	Biggs Gold Placer	Nevada County.
Feb. 6, 1873.	Bella Union Quicksilver	Napa County.
Mar. 24, 1873.	Bacon & Co. Gold Placer	Yuba County.
June 11, 1873.	Bee-Hive Gold Quartz	Do.
June 16, 1873.	Blue Bar Gold Placer	Del Norte County.
June 16, 1873.	Black Ledge Gold Quartz	Placer County.
Aug. 14, 1872.	Carson Creek Gold Quartz	Calaveras County.
Aug. 21, 1872.	Confidence Gold Quartz Mine and Mill-Site	Tuolumne County.
Mar. 28, 1873.	Conrad Gold Quartz Mine and Mill-Site	Placer County.
Apr. 26, 1873.	Classic Hill Placer	Amador County.
May 2, 1873.	Comet Gold Quartz	Do.
July 24, 1872.	Dutch Flat Cañon Gold Placer	Placer County.
Aug. 23, 1872.	Dead Horse Gold Quartz	Calaveras County.
Aug. 21, 1872.	Eclipse Gold Quartz	Placer County.
Aug. 30, 1872.	Eureka Gold Quartz	El Dorado County.
Nov. 29, 1872.	Empire Gold Quartz	Placer County.
May 2, 1873.	Elk Creek and Know-Nothing Bar Placer	Del Norte County.
July 16, 1872.	Frank Hoffman Gold Placer	Calaveras County.
Aug. 2, 1872.	Finnegan Gold Quartz	Do.
June 4, 1873.	Ferguson & Co. Gold Placer	Los Angeles County.
Aug. 3, 1872.	Garvey Gold Placer	San Bernardino County.
Oct. 28, 1872.	Gopher Gold Quartz	El Dorado County.
Jan. 6, 1873.	Graham and Cecil Gold Placer	Los Angeles County.
Aug. 15, 1872.	Hudson Gold Quartz	Calaveras County.
Sept. 4, 1872.	Hardenbergh Gold Quartz Mine, Mill-Site and Trackway	Amador County.
Jan. 30, 1873.	Hart Gold Placer	El Dorado County.
Mar. 24, 1873.	Hubbard & McAdams Gold Quartz	Amador County.
Mar. 25, 1873.	Homeward Bound Gold Quartz	Nevada County.
May 6, 1873.	Hartman Gold Placer	Amador County.
June 10, 1873.	Helen Quicksilver	Lake County.
July 3, 1872.	Italian Gold Quartz	Amador County.
July 18, 1873.	Independent Gold Quartz	Sierra County.
July 16, 1872.	J. M. English Gold Quartz	Nevada County.
Aug. 15, 1872.	Keystone Copper	Calaveras County.
Aug. 21, 1872.	Keystone Gold Quartz Mine and Mill-Site	Sierra County.
July 1, 1872.	Last Chance Gold Quartz	Amador County.
July 11, 1872.	Lucan Gold Quartz	Yuba County.
Oct. 29, 1872.	Last Chance Copper	Nevada County.
July 22, 1872.	Manhattan Gold Placer	Placer County.
July 9, 1872.	Melones, or Point Rock Gold Quartz	Calaveras County.
July 7, 1873.	Mammoth Gold Quartz	Amador County.
Dec. 4, 1872.	Middle Yuba Gold Placer	Nevada and Sierra Cos.
Jan. 3, 1873.	Mahoney and South Mahoney Quartz	Amador County.
June 26, 1872.	New York Quicksilver	Monterey County.
June 27, 1872.	Nevada Gold Quartz	
Nov. 1, 1872.	Napa Quicksilver	Napa County.
Dec. 5, 1872.	Nary Red Gold Quartz	Placer County.
Dec. 9, 1872.	Nevada Mining Company Gold Placer	Yuba County.
Dec. 16, 1872.	North Paloma Gold Quartz	Calaveras County.
Aug. 8, 1872.	Olio Gold Quartz	San Bernardino County.
Aug. 12, 1872.	Ohio Flat Gold Placer	Yuba County.
Jan. 20, 1873.	Oak Hill Copper	Amador County.
July 25, 1872.	Poor Man Gold Quartz	Calaveras County.
Nov. 14, 1872.	Pope Quicksilver	Napa County.
Feb. 12, 1873.	Pennsylvania Gold Quartz	Nevada County.
May 15, 1873.	Porter Gold Quartz	Butte County.
July 15, 1872.	Sorocco Gold Placer	Amador County.
July 29, 1872.	Stickle Gold Quartz	Calaveras County.
Aug. 13, 1872.	San Bernardino Gold Quartz	San Bernardino County.
Aug. 10, 1872.	Sugar-Loaf Gold Quartz	El Dorado County.
Aug. 15, 1872.	Saint John Gold Quartz	Nevada County.
Aug. 20, 1872.	San Bruno Gold Quartz	Calaveras County.
Nov. 4, 1872.	Silver Bow Quicksilver	Napa County.
Apr. 3, 1873.	Shepard & Co. Gold Quartz	Napa County.
Apr. 12, 1873.	Santa Maria Silver and Lead	El Dorado County.
July 13, 1872.	United States Gold Placer	Inyo County.
July 20, 1872.	Union Copper	Inyo County.
Sept. 13, 1872.	Valley Quicksilver	Calaveras County.
Jan. 9, 1873.	Vermont Gold Placer	Napa County.
July 27, 1872.	Woodhouse Gold Quartz	Placer County.
Aug. 13, 1872.	Wolverine Gold Quartz	Calaveras County.
Aug. 30, 1872.	Waters Gold Quartz and Mill-Site	Do.
Jan. 6, 1873.	Woodman Gold Placer	Tuolumne County.
Jan. 13, 1873.	Wheeler Gold Quartz	Los Angeles County.
Aug. 17, 1872.	Yule and Willey Gold Placer	Amador County.
Aug. 23, 1872.	Yellow Jacket Gold Quartz	Placer County.
		El Dorado County.

C.—Statement of surveys of mines in California for the fiscal year 1872-73, made in conformity with the act of Congress approved May 10, 1872.

Approval of survey.	Name of mine.	Location.
Oct. 7, 1872	Anderson Gulch Gold Placer	Siskiyou County.
Oct. 17, 1872	Angels Gold Quartz	Calaveras County.
Mar. 18, 1873	Atlantic Gold Quartz	El Dorado County.
June 25, 1873	Alameda Gold Quartz	Tuolumne County.
Aug. 31, 1872	Butcher-Boy Gold Quartz	Placer County.
Aug. 31, 1872	Baker Gold Quartz	Do.
Sept. 26, 1872	Brown & Murray Gold Placer	Siskiyou County.
Oct. 4, 1872	Big-Spring Gold Placer	Placer County.
Oct. 3, 1872	Benton Gulch Gold Placer	Siskiyou County.
Nov. 4, 1872	Bovee Gold Quartz Mine and Mill-Site	Calaveras County.
Nov. 16, 1872	Bumpus Cañon Gold Placer	Placer County.
Dec. 6, 1872	Bell (Ada) Gold Placer	Do.
Aug. 3, 1872	Bed-Rock Tunnel Gold Placer	Nevada County.
Jan. 4, 1873	Buel Gold Placer	Los Angeles County.
Jan. 7, 1873	Big Sandy	El Dorado County.
Mar. 17, 1873	Big-Blue Lead, Gold and Silver Quartz	Kern County.
Mar. 3, 1873	Bowen Gold Placer	Placer County.
Mar. 4, 1873	Brown Brothers Gold Placer	Nevada County.
Mar. 6, 1873	Badger-Hill Gold Quartz	Do.
Mar. 7, 1873	Backeye Bar Gold Placer	Siskiyou County.
Mar. 22, 1873	Bunker-Hill Gold Placer	Nevada County.
June 25, 1873	Bonney Placer	Calaveras County.
Aug. 15, 1872	Chaparral Hill Gold Quartz Mine and Mill-Site	Do.
Sept. 14, 1872	Cayote Hill Gold Quartz	El Dorado County.
Oct. 10, 1872	Cosumnes Copper	Amador County.
Oct. 23, 1872	Church and Golden-Gate Gold Placer	Placer County.
Nov. 11, 1872	Crescus Gold Quartz	Do.
Nov. 25, 1872	Cataract Gold Gravel	Calaveras County.
Nov. 26, 1872	Central Gold Placer	Nevada County.
Dec. 3, 1873	Chile Gulch Fluming Company Gold Placer	Calaveras County.
Dec. 8, 1872	Clear Creek Gold Placer	Butte County.
Jan. 30, 1873	Clara Louisa Silver Quartz	Kern County.
Jan. 31, 1873	Chalk-Mountain Blue Gravel, (Gold)	Nevada County.
Feb. 3, 1873	Clary & McCarthy Gold Placer	Trinity County.
Mar. 5, 1873	Champion Copper	Nevada County.
Mar. 21, 1873	Cement Hill Gold Placer	Placer County.
Mar. 25, 1873	Coates Gold Placer	Do.
Mar. 20, 1873	Crumpton & Co. Gold Placer	Del Norte County.
Mar. 27, 1873	Clear Creek Gold Placer	Do.
April 14, 1873	Campo Seco Copper	Calaveras County.
May 13, 1873	Carson Gold Quartz	Do.
May 20, 1873	Cederberg 1st Southern Extension Quartz Mine and Mill-Site	El Dorado County.
May 27, 1873	Clydesdale Gold Placer	Placer County.
June 3, 1873	Cañon Creek Gold Quartz	Nevada County.
June 2, 1873	Cranberry Gold Quartz	Mariposa County.
June 4, 1873	Cherokee-Flat Blue-Gravel Placer	Butte County.
Aug. 28, 1872	Dixon & Cooper Gold Placer	Shasta County.
Dec. 20, 1872	Dannenbrink Gold Placer	Trinity County.
Feb. 14, 1873	Diamond Mountain Gold Gravel	Lassen County.
Mar. 15, 1873	Dent (Nellie E.) Gold Quartz	Kern County.
May 22, 1873	Duncan Gold Quartz	Mariposa County.
April 18, 1873	Democrat Gold Quartz	Calaveras County.
Sept. 9, 1872	El Dorado Gold Quartz	El Dorado County.
Oct. 25, 1872	Eddy Gold Quartz	Nevada County.
Nov. 25, 1872	Enterprise Gold Placer	Do.
Dec. 24, 1872	Empire Gold Quartz	Placer County.
April 3, 1873	Emigrant Gold Placer	Nevada County.
Nov. 20, 1872	Fox (James William) Gold Placer	Siskiyou County.
Dec. 7, 1872	Fort Yuma Gold Quartz Mine and Mill-Site	
Jan. 3, 1873	Ford Gold Placer	Los Angeles County
Mar. 4, 1873	Franklin Gold Placer	Placer County.
May 16, 1873	Frémont Gold Quartz	Amador County.
Aug. 12, 1872	Gem Quicksilver	Lake County.
Aug. 31, 1872	Green Spring Gold Placer	Placer County.
Sept. 18, 1872	Greenwood Gold Quartz	El Dorado County.
Sept. 21, 1872	German Gold Quartz	El Dorado County.
Sept. 21, 1872	Green Walter Gold Quartz	Placer County.
Nov. 12, 1872	Grigg's Ranch Gold Quartz	El Dorado County.
Jan. 2, 1873	Grider & Co. Gold Quartz	Del Norte County.
Mar. 18, 1873	Guadalupe Gold Quartz	El Dorado County.
Nov. 7, 1872	Garland Mill Slope Gold Quartz	Placer County.
Nov. 14, 1872	Garden Gulch Gold Placer	Trinity County.
Mar. 25, 1873	Gwin Gold Quartz	Calaveras County.
Feb. 4, 1873	Gray Eagle Gold Quartz Mine and Mill-Site	El Dorado County.
April 5, 1873	Gail Gold Placer	Nevada County.
April 24, 1873	Griffith & Bryant Gold Quartz	El Dorado County.
Dec. 20, 1872	Goodale & Williams Gold Quartz	Siskiyou County.
Sept. 6, 1872	Hall & Co. Gold Placer	Amador County.
Oct. 14, 1872	Hudson Mill-Site	Calaveras County.



## C.—Statement of surveys of mines in California, &amp;c.—Continued.

Approval of survey.	Name of mine.	Location.
Dec. 16, 1872	Hill Gulch Gold Placer	Siskiyou County.
Jan. 12, 1873	Hancock and Watson Gold Quartz	Placer County.
Jan. 17, 1873	Hazard Gold Placer	Placer County.
Jan. 22, 1873	Happy Camp Gold Placer	Del Norte County.
Jan. 23, 1873	Hill (Dr.) Gold Quartz Mine and Mill-Site	Calaveras County.
Jan. 30, 1873	Hendricks & Co. Gold Placer	Butte County.
Mar. 7, 1873	Hager & Haas Gold Placer	Trinity County.
Mar. 31, 1873	Hard Scrabble Gold Placer	El Dorado County.
April 22, 1873	Herrick Gold Placer	Trinity County.
Nov. 18, 1872	Indiana Hill Hydraulic Gold Placer	Placer County.
Mar. 3, 1873	Isabella Gold Quartz Mine and Mill-Site	El Dorado County.
May 17, 1873	Irish and Byrne Gold Placer	Placer County.
Oct. 19, 1872	Jourdan Gulch Gold Placer	Siskiyou County.
Jan. 9, 1873	Johnson Hill Gold Placer	Siskiyou County.
Jan. 14, 1873	Junction Bar Gold Placer	Siskiyou County.
April 18, 1873	Jones Gold Placer	Trinity County.
Nov. 27, 1872	Kilham (Horace) Gold Placer	Nevada County.
Mar. 19, 1873	Key Gold Quartz Mine and Mill-Site	Plumas County.
April 16, 1873	Keystone Consolidated Quartz	Lassen County.
Sept. 3, 1872	La Moille Gold Quartz	El Dorado County.
Oct. 30, 1872	Lady Franklin Gold and Silver Quartz	Alpine County.
Dec. 13, 1872	Le Duc Gold Placer	Siskiyou County.
Feb. 6, 1873	Last Chance Gold Placer	Sierra County.
May 5, 1873	Lewis (Bob) Gold Placer	Placer County.
June 12, 1873	Last Chance Gold Quartz	El Dorado County.
Sept. 26, 1872	Maryland	El Dorado County.
Oct. 14, 1872	Mineral Mountain Gold Quartz and Mill-Site	Calaveras County.
Oct. 25, 1872	Mammoth Gold Quartz	Tuolumne County.
Nov. 23, 1872	Marietta Gold and Silver Quartz	Nevada County.
Nov. 27, 1872	Montreal Gold Gravel	Nevada County.
Dec. 6, 1872	Marfield & Co. Gold Placer	Siskiyou County.
Aug. 20, 1872	Mammoth Gold Quartz	San Bernardino County.
Jan. 13, 1873	Missouri Gold Placer	Placer County.
Jan. 17, 1873	Michigan Bar Gold Placer	Siskiyou County.
April 10, 1873	Mount Morensis Gold Placer	Trinity County.
April 17, 1873	Morning Star Gold Placer	Placer County.
May 15, 1873	Morgan Gold and Silver Quartz	Calaveras County.
May 16, 1873	Malone Consolidated Gold Placer	Nevada County.
June 6, 1873	Mack Gold Quartz	Tuolumne County.
Aug. 26, 1872	North Confidence Gold Quartz	Do.
Feb. 7, 1873	Nashville Gold Quartz	El Dorado County.
Mar. 24, 1873	North Lincoln Gold Quartz	Amador County.
Apr. 15, 1873	North Saint Lawrence Gold Quartz	El Dorado County.
May 30, 1873	Noverto Gold Placer	Los Angeles County.
June 26, 1873	New Albany Gold Quartz	Tuolumne County.
June 11, 1873	North Star Gold Quartz	Nevada County.
Sept. 25, 1872	Oro and Dardanelles Gold Placer	Placer County.
Oct. 21, 1872	Ophir Gold Quartz Mine and Mill Site	Do.
Nov. 11, 1872	Oaks Gold Quartz	Amador County.
Nov. 13, 1873	Oregon Gulch Mountain Gold Placer	Trinity County.
Jan. 21, 1873	Old Pioneer Gold Quartz	Amador County.
Feb. 28, 1873	Oro Gold Placer	Placer County.
Apr. 22, 1873	Oregon Gulch Gold Placer	Trinity County.
May 31, 1873	Orr (John) Gold Placer	Shasta County.
Aug. 25, 1872	Pellet & Fruitt	Siskiyou County.
Sept. 26, 1872	Pacific Gold Quartz	El Dorado County.
Oct. 31, 1872	Plymouth Rock Gold Quartz and Mill-Site	Calaveras County.
Dec. 12, 1872	Patterson Gold Quartz	Tuolumne County.
Jan. 18, 1873	Phoenix Mill-Site	Amador County.
Feb. 12, 1873	Prussian Gold Placer	Trinity County.
Feb. 21, 1873	Phoenix Gold Quartz Mine and Mill-Site	Sierra County.
Mar. 17, 1873	Pine-Nut Gold Quartz	Tuolumne County.
Mar. 29, 1873	Pullman Gold Quartz	Nevada County.
Apr. 1, 1873	Pennsylvania Gold Quartz	Yuba County.
Mar. 1, 1873	Pioneer Gold Placer	Sierra County.
June 27, 1873	Portuguese Flat Placer	Siskiyou County.
Jan. 10, 1873	Railroad-Hill Gold Quartz	El Dorado County.
Feb. 20, 1873	Red-Dog Gold Placer	Nevada County.
Mar. 7, 1873	Red-Hill Gold Quartz	El Dorado County.
May 21, 1873	Rutherford Gold Quartz Mine and Mill-Site	Mariposa County.
June 20, 1873	Raw-Hide No. 2 Gold Quartz Mine and Mill-Site	Tuolumne County.
Jan. 27, 1873	Summit Silver Quartz	Kern County.
Aug. 28, 1872	Secret Cañon Gold Quartz	Placer County.
Sept. 7, 1872	Shore's Gold Quartz	Siskiyou County.
Sept. 16, 1872	Salsig Extension No. 1 Gold Quartz	Placer County.
Sept. 26, 1872	Smith & Hand Gold Placer	Siskiyou County.
Sept. 26, 1872	Swansea Gold Quartz	El Dorado County.
Sept. 23, 1872	Sucker Flat Gold Placer	Siskiyou County.
Nov. 19, 1872	San Juan Union Gravel	Nevada County.
Dec. 24, 1872	Sally Jones Gold Quartz	Placer County.

C.—Statement of surveys of mines in California, &c.—Continued.

Approval of survey.	Name of mine.	Location.
Dec. 26, 1872	Sulphuret Gold and Silver Quartz	Nevada County.
Dec. 6, 1872	Scott River Gold Placer	Siskiyou County.
June 4, 1872	Summit Silver Quartz	Amador County.
Feb. 10, 1873	Sidney Smith Gold Placer	Trinity County.
Feb. 19, 1873	Sturdivant Gold Placer	Do.
Feb. 25, 1873	Sinktam Gold Placer	Nevada County.
Feb. 25, 1873	San Francisco Copper	Do.
Mar. 14, 1873	Summit Gold and Silver Quartz	Kern County.
Mar. 20, 1873	Success Gold Quartz	Calaveras County.
Apr. 3, 1873	Star United Gold Placer	Placer County.
Apr. 16, 1873	Saint Lawrence No. 2 Gold Quartz	El Dorado County.
Apr. 21, 1873	Sheridan Gold Placer	Trinity County.
June 14, 1873	San Felipe Silver and Lead	Inyo County.
Apr. 29, 1873	Sweeney Gold Quartz	Tuolumne County.
May 13, 1873	Soulsby Gold Quartz	Do.
June 18, 1873	Shanghai Quartz	Do.
Dec. 4, 1872	Tuttle Gulch Gold Placer	Siskiyou County.
Dec. 13, 1872	Tom Bell Gold Placer	Trinity County.
Jan. 17, 1873	Trinity Gold Placer	El Dorado County.
Jan. 24, 1873	Templito Silver Quartz	Kern County.
Feb. 27, 1873	Tipperary Gold Placer	Trinity County.
May 29, 1873	Thomas Gold Placer	Siskiyou County.
Jan. 17, 1873	Uncle Sam Gold Quartz and Mill-Site	Tuolumne County.
Mar. 19, 1873	Union Hill Gold Quartz	Nevada County.
Oct. 16, 1872	Van Dozer Gulch Gold Placer	Siskiyou County.
Mar. 18, 1873	Valparaiso Gold Quartz and Mill-Site	Tuolumne County.
Sept. 2, 1872	Wright & Co. Gold Placer	Siskiyou County.
Sept. 21, 1872	Wet Gulch Quartz and Placer Mine and Mill-Site	Calaveras County.
Dec. 5, 1872	Wide West Gold Placer	Do.
Oct. 8, 1872	Wisconsin Gold and Silver Quartz	Nevada County.
Dec. 5, 1872	Wide West Gold Placer	Calaveras County.
Dec. 27, 1872	Wilt (H. C.) Gold Placer	Trinity County.
Jan. 24, 1873	Willey Gold Placer	Placer County.
Feb. 13, 1873	Wyoming Gold Quartz Mine and Mill-Site	Nevada County.
Jan. 30, 1873	Whale and Padre Juan Gold Quartz (consolidated) and Mill-Site.	Kern County.
Feb. 13, 1873	Window Hill Gold Quartz	El Dorado County.
Feb. 13, 1873	Walloups Gold Quartz	Nevada County.
Apr. 5, 1873	Williams Point Gold Quartz	Del Norte County.
June 17, 1873	Washington Gold Quartz	Nevada County.
June 30, 1873	Willow Bar Gold Quartz	Siskiyou County.
Feb. 19, 1873	You Bet Gold Placer	Nevada County.
Mar. 12, 1873	Yellow-Jacket Gold Quartz	El Dorado County.

J. R. HARDENBERGH,  
United States Surveyor-General for California.

D.—Statement of number of miles surveyed in California during the fiscal year 1872-73.

Names of surveyors.	Date of con- tract.	Meridian.	Base.	Standard.	Township.	Section.	Meander.	Traverse.
		M. ch. lk.	M. ch. lk.	M. ch. lk.	M. ch. lk.	M. ch. lk.	M. ch. lk.	M. ch. lk.
Miles surveyed to June 30, 1873, as per last report.....								
H. P. Handy.....	Feb. 6, 1864	754 58 45	358 04 50	4, 776 01 21	25, 521 68 36	100, 441 21 11	1, 037 25 35	2, 755 39 34
H. P. Handy.....	Feb. 27, 1864					18 77 62		
H. P. Handy.....	Mar. 14, 1864					39 26 11		
T. F. Battelle.....	July 19, 1868					15 75 34		
John Prentice.....	June 11, 1870					37 03 14		
A. W. Keddle.....	Aug. 12, 1870					22 62 06	43 67	
John Goldaworthy.....	Jan. 9, 1871					201 53 95		
William H. Carlton.....	Sept. 2, 1870					18 02 04		
J. M. Anderson.....	June 20, 1871					101 29 77	47 80	
John C. Partridge.....	June 26, 1871					60 60 15	57 80	
John C. Partridge.....	July 20, 1871			6 00 00		270 05 76		
William H. Carlton.....	Aug. 1, 1871					552 74 91	3 30 80	
Isaac N. Chapman.....	Aug. 1, 1871					60 36 15		
Isaac N. Chapman.....	Nov. 7, 1871					3 38 87		
Hubbard Savage.....	Nov. 7, 1871					61 63 34	1 50 35	
Thomas W. Wright.....	Jan. 2, 1872					35 03 38		
William P. Reynolds.....	Jan. 31, 1872					18 50	2 35 50	
A. H. Parker.....	Mar. 19, 1872					11 12 74	72 41	
William H. Norway.....	Mar. 19, 1872					47 65 66		
T. A. Tallyrand.....	Mar. 19, 1872					20 75 29	14 38 79	
Ezra Carpenter.....	Mar. 25, 1872					2 05 50		
William Minto.....	Mar. 29, 1872					16 02 25		
A. M. Jones.....	Apr. 9, 1872					53 78 35	6 66 04	
Isaac N. Chapman.....	Apr. 15, 1872					76 18	3 47 84	
William Minto.....	Apr. 15, 1872					2 79 82		
C. P. Bailey.....	Apr. 23, 1872					5 56 94	3 08 95	
A. M. Jones.....	May 1, 1872					1 00 62		
E. H. Dyer.....	May 1, 1872						3 04 33	
W. F. Ingalls.....	May 1, 1872					43 32 09	7 78 16	
William Megee.....	May 8, 1872					148 25 60	10 73 30	
Hubbard Savage.....	May 20, 1872					3 41 05		
William Megee.....	May 20, 1872					31 06 30	9 10 00	
M. G. Wheeler.....	May 21, 1872					24 44 65	8 14 27	
George Tucker.....	May 21, 1872							
George B. Tolman.....	June 5, 1872					9 79 25		
F. L. Ripley.....	June 6, 1872	2 76 20				3 38 83	4 14 49	
John M. Ingalls.....	July 1, 1872					56 06 62	4 15 86	
John M. Ingalls.....	July 1, 1872			18 00 00		407 10 40	36 07 43	
Frank S. Ingalls.....	July 1, 1872			8 40 00		275 18 44	19 48 71	
Frank S. Ingalls.....	July 1, 1872					49 35 05	316 25 95	
Frank S. Ingalls.....	July 1, 1872					65 03 74	358 44 88	
Wilfred F. Ingalls.....	July 1, 1872					38 42 25	3 36 10	
George Small.....	July 1, 1872					231 51 08	19 55 00	
Ezra Carpenter.....	July 6, 1872					488 65 95		
						60 00 00		

R. R. Harris.....	July 8, 1873.....				8 77 31	19 37 90			
R. F. Herrick.....	July 9, 1873.....				6 00 30	4 00 00			
William Minto.....	July 9, 1873.....				29 36 58	60 07 90			
John C. Partridge.....	July 12, 1873.....	20 00 00			7 00 00	135 40 10			
George Small.....	July 12, 1873.....				18 05 26	149 10 27			
F. W. Brown.....	Aug. 1, 1873.....	4 00 00			11 10 35	55 37 29		23 50 18	
H. M. Hayes.....	Sept. 4, 1873.....				35 77 05	66 00 10			
Isaac N. Chapman.....	Sept. 7, 1873.....	1 58			9 00 00	119 73 63		3 76 48	
John C. Partridge.....	Sept. 6, 1873.....	8 00 00			9 00 00	94 50 54		16 26 60	
Wilfred F. Ingalls.....	Sept. 23, 1873.....				90 79 91	41 30 53			
William Minto.....	Sept. 23, 1873.....				90 74 19	93 01 13			
William Minto.....	Oct. 22, 1873.....	15 00 03			1 00 00	456 54 10			
H. M. Hayes.....	Oct. 24, 1873.....	34 55			1 58 73	70 36 06			
Hubbard Savage.....	Nov. 3, 1873.....				9 00 00	4 25 89			
William Minto.....	Nov. 8, 1873.....				38 05 30	53 06 04			
William Minto.....	Nov. 8, 1873.....	3 00 00			9 79 68	18 16 16			
Hubbard Savage.....	Dec. 17, 1873.....				7 07 54	130 30 65			
William H. Norway.....	Jan. 6, 1873.....				2 40 00	44 00 87		3 64 61	
William Minto.....	Jan. 6, 1873.....				19 38 61	4 00 90			
Hubbard Savage.....	Jan. 11, 1873.....	29 84			2 71 88	15 28 13		15 13 36	
William H. Norway.....	Feb. 11, 1873.....				6 48 72	68 34 83		11 05 43	
William Minto.....	Feb. 20, 1873.....				12 00 00	8 39 53			
Charles P. Thomas.....	Mar. 27, 1873.....					99 37 89		3 27 19	
Hubbard Savage.....	Mar. 27, 1873.....				4 35 76	115 36 99			
William Minto.....	Mar. 28, 1873.....					3 02 90			
						19 40 27			
						18 52 55		6 40 25	
						26,855 51 13	196,463 36 84	1,285 87 25	2,755 59 34

Total miles surveyed to June 30, 1873.

UNITED STATES SURVEYOR-GENERAL FOR CALIFORNIA.

E.—List of lands surveyed in California from June 30, 1872, to June 30, 1873.

No. of township surveyed.	Description.	Meridian.	Public lands.	A.		B.	C.	D.	E.	F.		Remarks.	Total.
				Confirmed private land-claim.	Acres.					Acres.	Unsurveyed public land.		
1	Township 4 north, range 2 east.	Mount Diablo.	16,840.74	Acres.	5,920.00				922.50				23,043.54
2	Township 6 north, range 5 east.	do	19,463.20						3,604.30				23,067.50
3	Township 7 north, range 5 east.	do	19,832.80						3,196.90				23,029.70
4	Township 8 north, range 4 east.	do			3,550.00				15,532.42				19,082.42
5	Township 8 north, range 5 east.	do	15,583.00	A					640.00			A + river	23,025.98
6	Township 9 north, range 3 east.	do			3,220.00				22,621.47				22,621.47
7	Township 10 north, range 3 east.	do	23,701.43						16,356.29				19,576.50
8	Township 11 north, range 10 east.	do	20,617.44	A					1,374.28				23,701.43
9	Township 12 north, range 4 east.	do	11,561.36						11,429.46				22,926.82
10	Township 14 north, range 2 east.	do	22,926.25										22,926.82
11	Township 18 north, range 14 east.	do											23,003.58
12	Township 19 north, range 14 east.	do	22,721.22										22,975.25
13	Township 21 north, range 5 east.	do	12,433.44					10,563.14					23,032.58
14	Township 22 north, range 12 east.	do	13,716.61					9,220.00					22,936.61
15	Township 23 north, range 13 east.	do	11,198.46					11,520.00					23,038.46
16	Township 23 north, range 2 east.	do	21,925.47		1,270.41				320.02				23,195.88
17	Township 23 north, range 3 east.	do	13,786.05					9,810.00					23,596.05
18	Township 23 north, range 4 east.	do	9,372.14					13,590.00					22,962.14
19	Township 23 north, range 11 east.	do	2,880.64					20,280.00					23,160.64
20	Township 23 north, range 13 east.	do	11,283.28					11,670.00		80.00			23,023.28
21	Township 24 north, range 2 east.	do	4,065.52					18,940.00					22,945.52
22	Township 24 north, range 3 east.	do	23,385.69										23,385.69
23	Township 24 north, range 8 east.	do	9,738.70					13,281.30					23,040.00
24	Township 24 north, range 9 east.	do	14,905.05						760.39		7,314.56		23,040.00
25	Township 24 north, range 10 east.	do	8,775.59						560.00		13,419.00		22,745.59
26	Township 25 north, range 2 east.	do	5,920.00								15,090.00		21,010.00
27	Township 25 north, range 3 east.	do	21,861.02					221.44					22,082.46
28	Township 25 north, range 4 east.	do	13,126.35					8,950.00					22,116.35
29	Township 26 north, range 3 east.	do	11,682.98					11,360.00					23,042.98
30	Township 26 north, range 4 east.	do	23,977.08						755.73				23,033.78
31	Township 23 north, range 13 east.	do	21,074.06						1,028.16				22,131.92
32	Township 34 north, range 10 east.	do	22,521.53						460.00				23,001.53



E. - List of lands surveyed in California from June 30, 1872, to June 30, 1873 - Continued.

No. of township surveyed.	Description.	Meridian.	Public lands.		A. Confirmed private land-claim.	B. Military reservation.	C. Indian reservation.	D. Unsurveyed mount-ain land.	E. River, swamp, and overflowed land.	F. Unsurveyed public land.	Remarks.	Total.
			Acres.	Acres.								
77	Township 1 north, range 6 west.	Mount Diablo.	71.68								A + E + F	23,927.90
78	Township 3 north, range 2 west.	do	5,353.44			10.43					Suisun Bay	13,790.00
79	Township 3 north, range 1 west.	do	8,101.41								Suisun Bay	1,530.40
80	Township 4 north, range 2 west.	do	2,148.63		2,952.39						Suisun Bay	1,153.00
81	Township 7 north, range 6 west.	do	14,620.85								A + D	9,472.67
82	Township 7 north, range 7 west.	do	7,473.91		15,662.09							
83	Township 8 north, range 3 west.	do	10,241.58		1,630.84							
84	Township 8 north, range 5 west.	do	10,644.94				3,111.50					
85	Township 9 north, range 11 west.	do	1,280.00								A + D	12,340.00
86	Township 10 north, range 14 west.	do	8,096.40				21,760.00					
87	Township 10 north, range 10 west.	do	2,193.60								A + D	10,400.00
88	Township 11 north, range 11 west.	do	6,554.80								A + D	20,846.40
89	Township 11 north, range 12 west.	do	14,716.84								A + D	16,682.88
90	Township 11 north, range 14 west.	do	8,772.67				8,320.00					
91	Township 12 north, range 16 west.	do	3,416.45								A + D	14,266.63
92	Township 12 north, range 11 west.	do	2,947.36									
93	Township 13 north, range 10 west.	do	3,512.70				19,490.00					
94	Township 13 north, range 11 west.	do	11,972.85								A + D	11,070.00
95	Township 13 north, range 12 west.	do	10,856.98								A + D	12,185.00
96	Township 14 north, range 12 west.	do	12,320.60								A + D	23,041.98
97	Township 15 north, range 12 west.	do	5,145.77		10,780.00							
98	Township 16 north, range 17 west.	do	17,499.51								A + D	16,932.79
99	Township 16 north, range 6 west.	do	11,867.23				10,970.00					
100	Township 17 north, range 13 west.	do	17,411.17				5,539.35					
101	Township 17 north, range 14 west.	do	7,388.76				15,740.00					
102	Township 18 north, range 6 west.	do	18,815.34									
103	Township 19 north, range 1 west.	do	14,587.71					687.10				
104	Township 20 north, range 1 west.	do	259.96									
105	Township 22 north, range 12 west.	do	16,993.33				6,103.61					
106	Township 22 north, range 13 west.	do	11,527.84				11,510.90					

107	aTownship 23 north, range 13 west.	do	6, 182.23	D	9, 455.42	C + C { "Town site of" "Rough and Ready" "Yreka" }	23, 710.79	23, 046.88
108	aTownship 23 north, range 13 west.	do	329.21			{ "Town site of" "Rough and Ready" "Yreka" }	314.62	23, 040.00
109	aTownship 42 north, range 9 west.	do	13, 280.26					23, 040.00
110	aTownship 45 north, range 7 west.	do	3, 300.00		19, 323.94		511.06	23, 040.00
111	aTownship 1 south, range 9 east.	do	20, 378.14			Sacramento Riv	80.27	23, 283.43
112	aTownship 1 south, range 9 east.	do	19, 993.31			A + river	2	23, 881.27
113	aTownship 2 south, range 9 east.	do	9, 306.23			River	783.39	23, 157.42
114	aTownship 2 south, range 10 east.	do	20, 959.19			River	283.11	23, 118.16
115	aTownship 2 south, range 11 east.	do	169.55					23, 265.83
116	aTownship 11 south, range 1 east.	do	3, 444.30					19, 539.55
117	aTownship 19 south, range 2 east.	do	1, 995.03					23, 024.30
118	aTownship 13 south, range 2 east.	do	9, 559.53					22, 418.76
119	aTownship 13 south, range 6 east.	do	1, 539.51					23, 081.52
120	aTownship 13 south, range 7 east.	do	16, 281.04					23, 009.51
121	aTownship 13 south, range 8 east.	do	22, 402.50					23, 041.04
122	aTownship 14 south, range 7 east.	do	5, 614.01					23, 098.50
123	aTownship 14 south, range 8 east.	do	16, 573.03					22, 057.03
124	aTownship 15 south, range 6 east.	do	3, 305.69					22, 984.01
125	aTownship 15 south, range 7 east.	do	7, 229.07					23, 057.03
126	aTownship 16 south, range 6 east.	do	5, 715.62					23, 151.19
127	aTownship 17 south, range 1 east.	do	1, 955.09					23, 245.69
128	aTownship 17 south, range 2 east.	do	1, 660.00					23, 038.32
129	aTownship 17 south, range 6 east.	do	1, 752.88					23, 040.00
130	aTownship 18 south, range 8 east.	do	15, 200.52					23, 040.00
131	aTownship 19 south, range 5 east.	do	22, 870.18					23, 062.88
132	aTownship 20 south, range 11 east.	do	7, 489.66					23, 041.20
133	aTownship 20 south, range 12 east.	do	2, 387.38					22, 870.18
134	aTownship 20 south, range 27 east.	do	16, 483.35					23, 159.66
135	aTownship 20 south, range 28 east.	do	16, 532.01					972.12
136	aTownship 21 south, range 3 east.	do	2, 387.38					22, 998.84
137	aTownship 21 south, range 4 east.	do	16, 483.35					22, 913.35
138	aTownship 21 south, range 11 east.	do	16, 532.01					23, 102.01
139	aTownship 21 south, range 12 east.	do	5, 096.17					5, 096.17
140	aTownship 22 south, range 3 east.	do	23, 175.06					22, 936.52
141	aTownship 22 south, range 4 east.	do	23, 153.31					23, 175.06
142	aTownship 22 south, range 11 east.	do	23, 153.31					23, 153.31
143	aTownship 22 south, range 14 east.	do	7, 165.40					24, 818.12
144	aTownship 23 south, range 14 east.	do	22, 999.14					22, 999.14
145	aTownship 23 south, range 16 east.	do	6, 841.58					23, 012.58
146	aTownship 23 south, range 17 east.	do	23, 455.19					23, 455.19
147	aTownship 24 south, range 6 east.	do	1, 366.75					12, 796.75
148	aTownship 24 south, range 17 east.	do	23, 080.92					23, 080.92
149	aTownship 25 south, range 6 east.	do	21, 786.19					23, 275.76
150	aTownship 25 south, range 16 east.	do	2, 476.38					23, 135.14
151	aTownship 26 south, range 17 east.	do	22, 905.50					
152	aTownship 26 south, range 11 east.	do	22, 905.50					
153	aTownship 29 south, range 19 east.	do	22, 905.50					

13 G L O



E.—List of lands surveyed in California from June 30, 1872, to June 30, 1873—Continued.

No. of township surveyed	Description.	Meridian.	Public lands.	A.	B.	C.	D.	E.	F.	Remarks.	Total.
			Acres.	Confirmed private land-claim.	Military reservation.	Indian reservation.	Unsurveyed mount-	River, swamp, and overflowed land.	Unsurveyed public land.		Acres.
154	aTownship 30 south, range 13 east.	Mount Diablo.	8,330.61	A						A + D	23,063.94
155	Township 2 south, range 6 west.	do	685.50	A						{ A + Lake } { Merced. } { A + lands } { ex-mission } { San José. }	10,000.00
156	aTownship 4 south, range 1 west.	do	4,630.70	A						A + F	23,339.04
157	aTownship 5 south, range 1 west.	do	8,704.93	4,246.71				10,086.36	F	A + F	23,040.00
158	Township 16 south, range 1 west.	do	792.58	A						A + D	6,492.58
159	aTownship 1 south, range 13 west.	San Bernardino	2,467.67	20,554.14						A + D	23,021.81
160	Township 1 south, range 14 west.	do	7,010.94	A			D			A + D	23,040.00
161	Township 7 south, range 8 west.	do	7,015.26	A			D			A + D	22,975.26
162	Township 3 north, range 17 west.	do	4,479.99	A			D			A + D	23,479.99
163	Township 5 north, range 28 west.	do	3,335.12	A			D			A + D	22,443.39
164	Township 5 north, range 31 west.	do	8,342.75	A			D			A + F	21,342.75
165	aTownship 5 north, range 32 west.	do	1,895.00	A					F	A + F	20,655.00
166	Township 6 north, range 31 west.	do	3,766.82	18,967.58						A + F	22,734.40
167	Township 6 north, range 32 west.	do	7,452.20	A						A + F	22,602.20
168	Township 6 north, range 33 west.	do	4,783.30	A						A + F	22,030.00
169	Township 6 north, range 34 west.	do	7,452.20	A						A + F	22,753.39
170	aTownship 10 north, range 34 west.	do	606.39	A						A + F	22,876.39
171	Township 1 north, range 3 east.	Humboldt	12,799.81	10,228.58					1,600.00		23,028.39
172	Township 1 north, range 4 east.	do	21,456.35								23,056.35
173	Township 2 north, range 5 east.	do	23,100.33								23,100.33
174	Township 2 north, range 4 east.	do	23,032.44								23,032.44
175	Township 2 north, range 5 east.	do	23,141.01								23,141.01
176	Township 3 north, range 1 east.	do	23,091.03								23,091.03
177	Township 3 north, range 4 east.	do	33,102.42								23,092.42
178	Township 3 north, range 5 east.	do	23,087.33								23,087.33
179	Township 4 north, range 3 east.	do	16,406.28				6,798.00				23,204.28
180	Township 4 north, range 4 east.	do	17,192.27				5,912.58				23,104.85
181	Township 5 north, range 1 east.	do	22,970.89								23,970.89
182	Township 5 north, range 3 east.	do	17,221.28								23,115.94
183	Township 5 north, range 4 east.	do	20,269.39				2,670.86			Humboldt Bay 5,894.66	23,990.25
184	Township 5 north, range 4 east.	do	17,579.34				5,254.60				22,833.94



E.—List of lands surveyed in California from June 30, 1872, to June 30, 1873—Continued.

No. of township surveyed.	Description.	Meridian.	Public lands.		A. Confirmed private land claim.	B. Military reservation.	C. Indian reservation.	D. Unsurveyed mount- ain land.	E. River, swamp, and overflowed land.	F. Unsurveyed public land.	Remarks.	Total.
			Acres.	Acres.								
a	Township 2 south, range 9 east.	Mount Diablo.	19,992.68	Acres.	1,985.65							23,157.43
a	Township 2 south, range 10 east.	do	9,266.54	Acres.	13,055.54			1,176.09			Siamese Riv. 793.39	23,118.16
a	Township 2 south, range 11 east.	do	20,959.19	Acres.	2,028.53			283.11			A + E	23,265.83
a	Township 12 south, range 2 east.	do	3,444.30	Acres.	A			E			A + E	23,024.30
a	Township 13 south, range 2 east.	do	1,985.03	Acres.	A						A + tide-lands, ocean, river, and alongha, 21,044.97 acres.	23,040.00
a	Township 13 south, range 6 east.	do	10,771.09	Acres.	12,310.43			15,056.80				23,081.52
a	Township 14 south, range 7 east.	do	8,058.35	Acres.	A			15,056.80				23,115.15
a	Township 17 south, range 6 east.	do	5,385.62	Acres.	A					F	A + F	23,040.00
a	Township 20 south, range 27 east.	do	16,220.66	Acres.				6,620.80				22,841.46
a	Township 23 south, range 17 east.	do	8,956.00	Acres.				14,045.20				23,001.20
a	Township 24 south, range 17 east.	do	12,534.32	Acres.				10,505.68				23,040.00
a	Township 26 south, range 17 east.	do	4,980.80	Acres.				18,079.20				23,040.00
a	Township 29 south, range 19 east.	do	14,640.18	Acres.	A			8,412.30				23,052.48
a	Township 30 south, range 13 east.	do	5,173.94	Acres.	A			D				23,063.94
a	Township 4 south, range 1 west.	do	4,588.97	Acres.	A							23,339.04
a	Township 5 south, range 1 west.	do	8,007.00	Acres.	A							23,040.00
a	Township 1 south, range 13 west.	San Bernardino	1,138.81	Acres.	A			E				23,031.81
a	Township 6 north, range 31 west.	do	3,484.40	Acres.	19,250.00					F	A + F	22,734.40
a	Township 10 north, range 34 west.	do	13,600.02	Acres.	9,428.37							23,028.39
a	Township 15 north, range 8 west.	do	5,750.50	Acres.				18,412.40				24,162.90
a	Returned in previous report.	Mount Diablo.	471,766.37	Acres.	90,225.45			25,030.20	18,848.22	17,601.64	292,285.15	1,120,283.14
a	Aggregate brought down.		2,667,492.61	Acres.	266,236.69	10.43	6,162.21	434,888.93	149,434.49	121,743.92	672,144.54	4,318,113.84
a	Returned in previous reports		471,766.37	Acres.	90,225.45		25,030.20	204,536.11	18,848.22	17,601.64	292,285.15	1,120,283.14
a	Aggregate		2,195,726.24	Acres.	176,011.24	10.43	-18,867.97	230,362.82	130,586.27	104,142.28	379,659.39	3,197,830.70

a Townships returned in previous reports, the areas of which are changed by subsequent surveys or amendments. b Omitted in previous report.

RECAPITULATION.

Acres public land surveyed .....	2, 195, 726. 24
Acres, as per column A .....	176, 011. 24
Acres, as per column B .....	10. 43
Acres, as per column D .....	230, 362. 82
Acres, as per column E .....	130, 586. 27
Acres, as per column F .....	104, 142. 28
Acres, as per column Remarks .....	379, 859. 39
	3, 216, 698. 67
Deduct minus difference in column C .....	18, 867. 97
Aggregate .....	3, 197, 830. 70

J. H. WILDES,  
*Chief Draughtsman.*

F.—Plats made in the office of the surveyor-general for California during the fiscal year 1872-'73.

Description.	Originals.	Department.	Register.	Posting plats.	Skeleton maps.	General maps.	Total.
Plats of township lines .....	22	22	.....	.....	.....	.....	44
Maps of subdivision lines and amendments .....	218	220	198	.....	.....	.....	636
Plats of ranches .....	10	18	.....	.....	72	.....	100
Plats of mining claims .....	280	280	280	203	.....	.....	1, 043
General maps .....	.....	.....	.....	.....	.....	2	2
Aggregate .....	530	540	478	203	72	2	1, 825

J. H. WILDES,  
*Chief Draughtsman.*

G.—Statement of transcript of field-notes of public surveys sent to the Department at Washington from the office of the United States surveyor-general for California during the fiscal year 1872-'73.

Name of deputy.	Date of contract.	Number of transcripts.	When sent.
Isaac N. Chapman .....	Nov. 7, 1871	2	July 12, 1872
William Magee .....	May 20, 1872	3	July 26, 1872
William Magee* .....	May 8, 1872	2	July 31, 1872
T. J. Dewoody* .....	June 24, 1872	1	July 31, 1872
E. H. Dyer* .....	Nov. 16, 1871	2	Aug. 26, 1872
J. M. Anderson .....	June 20, 1871	1	Aug. 28, 1872
John C. Partridge .....	June 25, 1871	9	Aug. 31, 1872
John C. Partridge .....	July 20, 1871	19	Aug. 31, 1872
John Prentice .....	June 11, 1870	3	Sept. 19, 1872
William H. Norway .....	Mar. 19, 1872	1	Oct. 17, 1872
E. H. Dyer .....	May 1, 1872	7	Oct. 26, 1872
Ezra Carpenter .....	Mar. 29, 1871	1	Nov. 7, 1872
Wilfred F. Ingalls .....	May 1, 1872	4	Nov. 12, 1872
William Minto .....	Apr. 9, 1872	3	Nov. 20, 1872
William Minto .....	Apr. 15, 1872	2	Nov. 20, 1872
George Tucker .....	May 21, 1872	1	Nov. 25, 1872
Wilfred F. Ingalls .....	July 1, 1872	10	Nov. 27, 1872
L. F. Ripley .....	June 6, 1872	3	Nov. 29, 1872
Hubbard Savage .....	Jan. 2, 1872	4	Dec. 5, 1872
C. F. Henley* .....	May 16, 1872	2	Dec. 9, 1872
T. J. Dewoody* .....	Sept. 28, 1872	1	Dec. 9, 1872

\* Executed under special instructions.

## G.—Statement of transcript of field-notes of public surveys, &amp;c.—Continued.

Name of deputy.	Date of contract.	Number of transcripts.	When sent.
R. R. Harris .....	July 8, 1872	1	Dec. 12, 1872
A. H. Parker .....	Mar. 19, 1872	2	Dec. 17, 1872
Frank S. Ingalls .....	July 1, 1872	13	Dec. 21, 1872
William Minto .....	July 12, 1872	8	Dec. 26, 1872
William H. Carlton .....	Aug. 1, 1871	4	Dec. 30, 1872
William H. Carlton .....	Sept. 2, 1870	4	Dec. 30, 1872
George Small .....	Aug. 1, 1872	6	Jan. 8, 1873
William Minto .....	Sept. 25, 1872	2	Jan. 10, 1873
George B. Tolman .....	Aug. 24, 1872	2	Jan. 11, 1873
Hubbard Savage .....	May 20, 1872	2	Jan. 13, 1873
Isaac N. Savage .....	Sept. 6, 1872	3	Jan. 17, 1873
Charles H. Kluegel* .....	July 22, 1872	4	Jan. 18, 1873
William P. Reynolds .....	Mar. 19, 1872	2	Jan. 20, 1873
Rufus F. Herrick .....	July 9, 1872	1	Jan. 24, 1873
A. M. Jones .....	Apr. 9, 1872	2	Jan. 27, 1873
A. M. Jones .....	May 1, 1872	1	Jan. 27, 1873
G. T. Allardt* .....	Sept. 11, 1872	1	Jan. 28, 1873
William Minto .....	Oct. 22, 1872	1	Jan. 29, 1873
William Minto* .....	Oct. 23, 1872	1	Jan. 29, 1873
Thomas W. Wright .....	Jan. 31, 1872	1	Jan. 30, 1873
Ezra Carpenter .....	July 6, 1872	1	Feb. 5, 1873
H. M. Hayes .....	Sept. 7, 1872	4	Feb. 7, 1873
H. M. Hayes .....	Oct. 16, 1872	2	Feb. 7, 1873
John M. Ingalls .....	July 1, 1872	5	Feb. 19, 1873
H. P. Handy .....	Feb. 6, 1864	1	Feb. 25, 1873
H. P. Handy .....	Feb. 27, 1864	2	Feb. 25, 1873
H. P. Handy .....	Mar. 14, 1864	2	Feb. 25, 1873
J. M. Anderson .....	Jan. 25, 1873	1	Mar. 15, 1873
W. F. Ingalls .....	Sept. 23, 1872	16	Mar. 15, 1873
F. S. Ingalls .....	July 1, 1872	12	Mar. 17, 1873
George B. Tolman .....	June 5, 1872	1	Mar. 19, 1873
Hubbard Savage .....	Dec. 17, 1872	2	Mar. 29, 1873
Hubbard Savage .....	Jan. 14, 1873	2	Mar. 29, 1873
William H. Norway .....	Jan. 6, 1873	2	Mar. 31, 1873
George Small .....	July 1, 1872	18	Apr. 14, 1873
T. A. Tallyrand .....	Mar. 25, 1872	1	Apr. 15, 1873
John C. Partridge .....	July 12, 1872	5	Apr. 17, 1873
John C. Partridge .....	Sept. 20, 1872	4	Apr. 17, 1873
M. G. Wheeler* .....	May 21, 1872	1	Apr. 21, 1873
William Minto .....	Nov. 9, 1872	2	Apr. 24, 1873
William Minto .....	Jan. 6, 1873	4	Apr. 28, 1873
John M. Ingalls .....	July 1, 1872	7	May 12, 1873
Arthur W. Keddle .....	Aug. 12, 1870	15	May 14, 1873
Rufus F. Herrick .....	July 9, 1872	1	May 16, 1873
C. P. Bailey .....	Apr. 23, 1872	1	May 16, 1873
William H. Norway .....	Feb. 11, 1873	1	May 20, 1873
Hubbard Savage .....	Nov. 1, 1872	1	May 20, 1873
C. B. Thomas .....	Feb. 27, 1873	1	May 21, 1873
William Minto .....	Nov. 8, 1872	4	May 21, 1873
William Minto .....	Feb. 20, 1873	5	May 31, 1873
William Minto .....	Mar. 25, 1873	1	June 4, 1873
John Goldsworthy .....	Jan. 9, 1871	1	June 12, 1873
D. F. Spurr* .....	May 27, 1872	3	June 12, 1873
T. F. Battelle .....	July 19, 1869	2	June 13, 1872
R. R. Harris .....	Oct. —, 1870	1	June 16, 1873
Hubbard Savage .....	Mar. 24, 1873	1	June 16, 1873
Isaac N. Chapman .....	Apr. 15, 1872	1	June 24, 1873
Isaac N. Chapman .....	Nov. 7, 1871	1	June 24, 1873
George B. Tolman .....	Aug. 24, 1872	1	June 26, 1873
E. W. Brown .....	Sept. 4, 1872	4	June 30, 1873
Total number of transcripts sent .....		282	

\* Executed under special instructions.

J. R. HARDENBERGH,  
United States Surveyor-General for California.

H.—Statement of descriptive notes, decrees of court, &c., of private land-claims for patents, compiled for transmission to the Department at Washington during the fiscal year 1872-73.

When sent.	Papers transmitted.	Name of claim.	To whom confirmed.
July 18, 1872	Plat, descriptive notes, decrees, opinion, &c.	La Laguna.	Abel Stearns.
Aug. 16, 1872	Plat, decrees, descriptive notes, opinion, &c.	Pueblo of Sonoma.	Mayor and common council.
Sept. 3, 1872	Plat, decrees, descriptive notes, opinion, &c.	Mission of San Diego.	Santiago Arguello.
Sept. 21, 1872	Plat, skeleton plat, decrees, descriptive notes, opinion, &c.	Santa Rosa.	Juan Moreno.
Oct. 1, 1872	Plat, skeleton plat, descriptive notes, opinion, &c.	El Bencon.	Teodoro Arellanes.
Oct. 10, 1872	do	do	Louis Bombidoux.
Oct. 24, 1872	do	do	Juan Maria Marion.
Oct. 25, 1872	Plat, descriptive notes, decrees, opinion, &c.	Agua Hedonada.	Joaquin Carrillo <i>et al.</i>
Nov. 15, 1872	Plat, skeleton plat, descriptive notes, opinion, &c.	San Carlos de Jonata.	Andreas Fico.
Nov. 15, 1872	Plat, skeleton plat, descriptive notes, opinion, &c.	La Habra.	Enrique Abila.
Nov. 30, 1872	Plat, descriptive notes, decrees, &c.	Tajama.	Joaquin y Castro.
Nov. 30, 1872	Plat, descriptive notes, decrees, &c.	San Pablo.	Marin A. Apis.
Dec. 1, 1872	Plat, descriptive notes, and opinion.	Tenahuila.	R. Olivas <i>et al.</i>
Dec. 1, 1872	do	do	Jose de la Guerra y Noniga.
Dec. 16, 1872	do	do	Augustin Marchand <i>et al.</i>
Dec. 16, 1872	do	do	Heitor J. M. Sanchez.
Dec. 19, 1872	Plat, decrees, descriptive notes, opinion, &c.	La Ballona.	A. L. Rogers.
Dec. 15, 1873	Plat, descriptive notes, and opinion.	Las Animas.	Joaquin Alvarado.
Jan. 22, 1873	Plat, descriptive notes, and opinion.	Napa.	N. Coon Br.
Feb. 8, 1873	Plat, descriptive notes, &c.	do	Thomas W. Sutherland <i>et al.</i>
Feb. 13, 1873	Plat, descriptive notes, &c.	Cabada Larga y Verde.	Juan Abila <i>et al.</i>
Feb. 17, 1873	Plat, descriptive notes, decrees, and opinion.	Napa.	Beneyesa.
Mar. 7, 1873	Plat, skeleton plats, descriptive notes, &c.	La Natividad.	
Mar. 7, 1873	Plat, skeleton plats, descriptive notes, opinion, &c.	El Cajon.	
Mar. 25, 1873	Plat, skeleton plats, and descriptive notes	Niguel.	
		Rincun de los Esteros.	

J. R. HARDEBERGH,  
United States Surveyor-General for California.

I.—Statement of special deposits for the survey of public lands in California during the fiscal year 1872-73.

Name of depositor.	Date of deposit.	Amount of deposit.		Name of deputy.	Location of survey.	Meridian.	Remarks.
		Surveys.					
		Individual amounts.	Total.				
		Salaries.					
		Individual amounts.	Total.	Individual amounts.	Total.		
Francisco Sanjario.....	July 3, 1872			Robert E. Harris	Township 18 south, range 6 east.	Mount Diablo.	
James A. McLeod.....	July 3, 1872	\$200 00		Rufus F. Herriok.	Township 3 north, range 1 east.	Humboldt	
Benjamin F. Osgood.....	July 3, 1872	300 00		do	do	do	
William F. Cousin.....	July 3, 1872	100 00		do	do	do	
William F. Sims.....	July 3, 1872	122 00		do	do	do	
Edward F. Selleck.....	July 3, 1872	50 00	\$752 00	Charles H. Kinegel	Townships 10 and 11 north, range 14 east.	Mount Diablo.	
S. H. Harmon.....	July 17, 1872			do	do	do	
J. W. Patton.....	Aug 16, 1872	200 00		George B. Tolman.	Township 23 south, range 17 east.	do	
C. F. Tuttle.....	Aug 16, 1872	166 00		do	do	do	
S. W. Gardner.....	Aug 16, 1872	150 00		do	do	do	
James W. Welch.....	Aug 16, 1872	200 00		do	Township 24 south, range 17 east.	do	
Williamington Stackley.....	Aug 16, 1872	200 00		do	do	do	
C. F. Tuttle.....	Aug 16, 1872	41 00	957 00	do	do	do	
A. T. Baker.....	Aug 16, 1872	175 00	175 00	Rufus F. Herriok.	Township 2 north, range 1 west.	Humboldt	
James F. Stuart.....	Aug 20, 1872			Robert E. Harris	Township 23 south, range 10 east, Macro Rock.	Mount Diablo.	
H. M. Hurt.....	Aug 21, 1872	148 00		Ebenezer Hadly	Township 2 south, range 8 west.	San Bernardino	
Ezekiel Tripp.....	Aug 23, 1872	100 00		George B. Tolman.	Township 25 south, range 6 east.	Mount Diablo.	
D. K. Tripp.....	Aug 23, 1872	100 00		do	Township 24 south, range 6 east.	do	
Varum Westcott.....	Aug 21, 1872	200 00		do	do	do	
W. T. Cruikshanks.....	Aug 23, 1872	200 00	600 00	do	do	do	
J. M. Sherburne.....	Aug 24, 1872	184 00		Issac N. Chapman	Township 11 north, range 12 west.	do	
Sylvester Scott.....	Aug 21, 1872	157 00		do	do	do	
John Terry.....	Aug 21, 1872	44 00	498 00	do	do	do	
James A. Blakemore.....	Aug 23, 1872	44 00		William S. Loudon	Township 33 north, range 6 west.	do	
John H. Smith.....	Aug 23, 1872	170 00		do	do	do	
John Dunsford.....	Aug 23, 1872		214 00	William A. Pierce.	Township 7 north, range 4 west.	do	
Charles McLaughlin.....	Sept. 23, 1872	45 00	45 00	do	do	do	
Ramon de la Cuesta.....	Sept. 23, 1872	158 55	158 55	William H. Norway	Township 6 north, range 32 west.	San Bernardino	Lands selected by C. P. R. R.
James Samuels.....	Oct. 7, 1872	200 00	200 00	Issac N. Chapman	Township 11 north, range 12 west.	Mount Diablo.	Additional deposit. Do.
Charles McLaughlin.....	Oct. 15, 1872	1,043 80	1,043 80	do	do	do	Lands selected by C. P. R. R.
L. A. Truesdale.....	Oct. 25, 1872	125 00		Rufus F. Herriok.	Township 7 north, range 1 east.	Humboldt	
Maurice Besqui.....	Oct. 25, 1872	50 00		do	do	do	
J. N. McCallum.....	Oct. 25, 1872	25 00		do	do	do	
William F. Page.....	Oct. 25, 1872	50 00		do	do	do	





I.—Statement of special deposits for the survey of public lands, &c.—Continued.

Name of depositor.	Date of deposit.	Amount of deposit.		Name of deputy.	Location of survey.	Meridian.	Remarks.		
		Surveys.						Salaries.	
		Individual amounts.	Total.					Individual amounts.	Total.
William McClintock	Nov. 29, 1872	\$176 00	\$175 00	Hubbard Savage.	Township 15 north, range 12 west.	Mount Diablo.			
S. Howell	Dec. 2, 1872	63 00	63 00	William Minto.	Township 13 north, range 11 west.	do			
O. Howell	Dec. 2, 1872	175 00	25 00	do	do	do			
H. Standley	Dec. 2, 1872	175 00	25 00	do	do	do			
J. W. Daw	Dec. 2, 1872	200 00	25 00	do	do	do			
H. Willard	Dec. 2, 1872	175 00	25 00	do	do	do			
William E. Parsons	Dec. 2, 1872	175 00	25 00	do	do	do			
P. G. Towhy	Dec. 5, 1872	139 00	900 00	do	Township 20 south, range 28 east.	do			
J. S. R. McCutchen	Dec. 5, 1872	175 00	25 00	do	do	do			
John Towhy	Dec. 5, 1872	175 00	25 00	do	do	do			
M. Money	Dec. 5, 1872	375 00	864 00	do	do	do			
James Nicol	Dec. 13, 1872	163 21	163 21	A. H. Parker	Township 15 south, range 6 east.	do	Additional deposit.		
James W. Phogan	Dec. 14, 1872	99 32	20 00	William Minto	Township 14 north, range 12 west.	do			
Robert M. L. Hildreth	Dec. 14, 1872	118 45	20 00	do	do	do			
George Neece	Dec. 14, 1872	118 45	20 00	do	do	do			
William C. Phogan	Dec. 14, 1872	99 33	20 00	do	do	do			
George W. Neeces	Dec. 14, 1872	118 45	554 00	do	do	do			
James Gorman	Dec. 16, 1872	261 00	201 00	John Goldsworthy	Township 8 north, range 18 west.	San Bernardino			
John R. Kule	Dec. 20, 1872	375 00	25 00	David Scott.	Township 8 north, range 12 west.	Mount Diablo			
Do	Dec. 20, 1872	375 00	25 00	William Minto	Township 20 south, range 12 east.	do			
Herman Rodgers	Jan. 2, 1873	730 00	30 00	do	do	do			
Charles A. Merrill	Jan. 2, 1873	375 00	25 00	W. H. Norway	Township 6 north, ranges 33 and 34 west.	San Bernardino			
John Keys	Jan. 6, 1873	459 00	459 00	do	do	do			
F. M. Shelton	Jan. 11, 1873	180 00	16 00	Hubbard Savage.	Township 15 north, range 12 west.	Mount Diablo			
Jesse Baker	Jan. 11, 1873	180 00	360 00	do	do	do			
J. N. Ambrose	Jan. 14, 1873	45 94	45 94	I. N. Chapman	Township 11 north, range 12 west.	do			
Daniel Cline	Jan. 17, 1873	133 00	30 00	John Goldsworthy	Township 2 south, range 7 west.	San Bernardino			
Ira Pierce	Jan. 20, 1873	166 67	33 33	W. H. Norway	Township 5 north, range 31 west.	do			
Mote M. Kilgore	Jan. 20, 1873	166 67	33 33	do	do	do			
John Daniels	Jan. 20, 1873	166 67	33 34	do	do	do			
W. E. Higgins	Jan. 30, 1873	100 00	29 00	William Minto	Township 7 south, range 8 west	do			
De Witt C. Pits	Jan. 30, 1873	100 00	00 00	do	do	do			
Richard Egan	Jan. 30, 1873	100 00	00 00	do	do	do			
Philip Lob	Jan. 30, 1873	99 00	21 00	do	do	do			
De Witt C. Pits	Jan. 30, 1873	30 00	00 00	do	do	do			
W. Y. Garratt	Jan. 30, 1873	285 00	704 00	do	Township 12 north, range 11 west	Mount Diablo.			
C. F. Cherry	Feb. 10, 1873	140 00	25 00	George B. Tolman	Township 14 south, range 24 east	do			

Name	Date	140 00	250 00	25 00	50 00	Agent	Location	Notes
John H. Byrd.....	Feb. 10, 1873	140 00	250 00	25 00	50 00	do	do	do
Lemuel Lytton.....	Feb. 11, 1873	175 00	do	do	do	George H. Perrin..	Township 10 north, range 11 west	Apr. 1, 1873, additional deposit of survey, \$113.54.
James H. Truitt.....	Feb. 11, 1873	136 00	do	do	do	do	do	do
Samuel Engelhart.....	Feb. 11, 1873	175 00	486 00	25 00	50 00	do	do	do
Frank Groshong.....	Feb. 12, 1873	158 50	do	41 50	do	Hubbard Savage..	Township 11 north, range 16 west	do
H. O. Sniplet.....	Feb. 13, 1873	158 50	317 00	41 50	83 00	do	do	do
P. E. Wicks.....	Feb. 13, 1873	48 00	48 00	20 00	20 00	Charles B. Thomas	Township 7 north, range 7 west.	do
Martin A. Britten.....	Feb. 24, 1873	60 00	60 00	25 00	25 00	E. I. Edwards.....	Township 14 north, range 4 west.	do
John Siebrand.....	Feb. 26, 1873	114 00	do	20 00	20 00	Alex. McPherson..	Township 11 south, range 1 west.	do
Samuel Pullen.....	Feb. 26, 1873	114 00	223 00	20 00	40 00	Hubbard Savage..	Township 16 north, range 17 west	do
George Pierce.....	Feb. 26, 1873	114 00	do	20 00	do	do	do	do
Richard Hammond.....	Feb. 28, 1873	96 00	do	20 00	30 00	D. F. Spurr.....	Township 11 north, range 10 west	do
James F. Breen.....	Mar. 3, 1873	93 00	96 00	30 00	30 00	S. W. Smith.....	Township 13 south, range 8 east	do
Thomas Fuller.....	Mar. 4, 1873	156 00	156 00	30 00	30 00	do	Township 10 south, range 1 east	do
Svento Hallingren.....	Mar. 5, 1873	350 00	156 00	40 00	40 00	do	Township 10 north, range 10 west	do
Martin Luther.....	Mar. 18, 1873	286 00	50 00	50 00	do	William Minto.....	Township 21 south, range 11 east.	do
Jacob Luther.....	Mar. 18, 1873	350 00	do	50 00	do	do	do	do
Do.....	Mar. 18, 1873	19 50	do	do	do	William Minto.....	Township 23 south, range 11 east.	do
Do.....	Mar. 18, 1873	350 00	do	25 00	do	do	Township 30 south, range 11 east.	do
Do.....	Mar. 18, 1873	462 00	do	50 00	do	do	Township 31 south, range 12 east.	do
J. H. Cowan.....	Mar. 24, 1873	30 00	1,817 50	15 00	175 00	do	do	do
H. R. Bolter.....	Mar. 25, 1873	30 00	30 00	30 00	30 00	T. I. Dewoody.....	Township 9 north, range 6 west	do
M. M. and A. C. Jack.....	Apr. 1, 1873	113 54	113 54	do	do	George E. Tolman..	Township 13 north, range 8 west	do
Charles M. Simmons.....	Apr. 8, 1873	12 75	do	do	do	do	Township 14 south, range 24 east.	do
Wilson G. Haner.....	Apr. 8, 1873	12 75	do	do	do	do	Township 1 north, range 21 west.	do
Mathew T. Janifer.....	Apr. 8, 1873	12 75	do	do	do	do	and 2 north, ranges 30 and 21 west.	San Bernardino
John Sarians.....	Apr. 8, 1873	26 50	do	do	do	do	do	do
John F. Wooley.....	Apr. 8, 1873	6 50	do	do	do	do	do	do
Daniel Roubdebush.....	Apr. 8, 1873	31 00	do	do	do	do	do	do
Isaac Harris.....	Apr. 8, 1873	34 00	do	do	do	do	do	do
Robert Guthrie.....	Apr. 8, 1873	5 25	do	do	do	do	do	do
Charles K. Thomas.....	Apr. 8, 1874	15 00	do	do	do	do	do	do
Robert Riggs.....	Apr. 8, 1873	9 00	do	do	do	do	do	do
Solomon Westbridge.....	Apr. 8, 1873	22 00	do	do	do	do	do	do
William Hughes.....	Apr. 8, 1873	17 50	do	do	do	do	do	do
Elmer Drake.....	Apr. 8, 1873	17 50	do	do	do	do	do	do
John Mahan.....	Apr. 8, 1873	17 50	do	do	do	do	do	do
John Armstrong.....	Apr. 8, 1873	60 00	do	do	do	do	do	do
Henry S. Davenport.....	Apr. 8, 1873	10 00	do	do	do	do	do	do
Charles Brooks.....	Apr. 8, 1873	35 00	90 00	do	do	do	do	do
Joseph B. Robbins.....	Apr. 8, 1873	35 00	439 00	do	do	do	do	do
Cyrus Bliek.....	Apr. 8, 1873	35 00	do	do	do	do	do	do
John Crinklin.....	Apr. 8, 1873	35 00	do	do	do	do	do	do
Marion R. Harris.....	Apr. 8, 1873	35 00	do	do	do	do	do	do
Henry G. Swenney.....	Apr. 8, 1873	35 00	do	do	do	do	do	do

I.—Statement of special deposits for the survey of public lands, &c.—Continued.

Name of depositor.	Date of deposit.	Amount of deposit.			Name of deputy.	Location of survey.	Meridian.	Remarks.
		Surveys.		Total.				
		Individual amounts.	Total.					
Joseph D. Davenport	Apr. 8, 1873	\$35 00		George B. Tolman	Township 1 north, range 21 west, and 2 north, ranges 20 and 21 west.	San Bernardino		
John Y. Barrett	Apr. 8, 1873	35 00		do	do	do		
John W. Sebastian	Apr. 8, 1873	35 00		do	do	do		
Robert Buckingham	Apr. 8, 1873	35 00	\$280 00	do	do	do		
W. E. Green	Apr. 10, 1873	1, 140 00	1, 140 00	William Minto	Township 30 north, range 3 east.	Mount Diablo		
John S. Foulke	Apr. 18, 1873	48 00	30 00	do	Township 18 north, range 18 east.	do		
Henry Pierce	Apr. 21, 1873	60 00	60 00	William H. Norway	Townships 6 north, range 31 west, and 5 north, range 32 west.	San Bernardino		
A. O. Brown	Apr. 22, 1873	113 00		William Minto	Township 11 north, range 2 west.	Mount Diablo		
Moseby White	Apr. 22, 1873	112 00	16 00	do	do	do		
George H. Rawson	Apr. 22, 1873	111 00	336 00	do	do	do		
Joseph Russ	Apr. 29, 1873	95 50	95 50	Rufus F. Herrick	Township 1 north, range 1 west.	Humboldt		
Caleb Yount	Apr. 29, 1873	43 00	43 00	do	Township 3 south, range 7 west	San Bernardino		
Menzo Caldwell	May 2, 1873	200 00	200 00	George H. Perrin	Township 10 north, range 11 west.	Mount Diablo		
Jasper N. Turner	May 14, 1873	180 00	50 00	Ezra Carpenter	Township 22 south, range 12 east.	do	Additional deposit.	
Noah H. Turner	May 14, 1873	180 00	20 00	do	do	do		
George Taylor	May 14, 1873	180 00	540 00	do	do	do		
Henry Pierce	May 22, 1873	15 00	15 00	William H. Norway	Township 5 north, range 32 west	San Bernardino		
E. B. Lovejoy, county Judge.	May 23, 1873	116 00	116 00	William S. Louden	Township 33 north, ranges 9 and 10 west.	Mount Diablo		
Charles B. Rice	May 27, 1873	113 00		William Minto	Township 9 north, range 8 west.	do	Town sito, Weaver ville.	
Thomas Brooks	May 27, 1873	175 00	25 00	do	do	do		
Charles W. York	May 27, 1873	175 00	25 00	do	do	do		
Earnest Yantis	May 27, 1873	175 00	638 00	do	do	do		
Lauson S. Welton	May 29, 1873	232 00	100 00	T. H. Ward	Township 30 north, range 2 east.	do		
Thomas Campbell	May 29, 1873	200 00		do	do	do		
S. F. Frank	May 29, 1873	200 00		do	do	do		
K. Powell	May 29, 1873	200 00		do	do	do		
R. H. Campbell	May 29, 1873	200 00	1, 032 00	do	do	do		
Henry Pierce	June 23, 1873	24 00	30 00	William H. Norway	Township 6 north, range 31 west, and 5 north, range 32 west.	San Bernardino		

J. R. HARDENBERGH,  
United States Surveyor-General for California.

J.—Statement of special deposits for the survey of mining-claims in California, during the fiscal year A. D. 1872-73.

Name of surveyor.	Name of depositor.	Date of deposit.	Salaries.	Name of mine.	Location of mine.	Remarks.
J. M. Anderson.	Peter A. Petrellus	July 1, 1873	\$30 00	Sugar Loaf Quartz Mine	El Dorado County	
Samuel Bethell	James R. Nickerson	July 4, 1873	30 00	Cedar Gold Quartz Mine	Nevada County	
A. B. Beauvais	John M. Gladden	July 9, 1873	30 00	Union Copper Mine	Calaveras County	
T. J. Dewdney	R. Burrell	do	30 00	Silver Bow Quicksilver Mine	Napa County	
Do	do	do	30 00	Pope Quicksilver Mine	do	
Do	do	do	30 00	Valley Quicksilver Mine	do	
Charles W. Hendel	Independent Mining Company	July 15, 1873	40 00	Independent Quartz Mine	Sierra County	
A. B. Beauvais	G. K. Stevenot	do	30 00	Chaparral Hill Gold Quartz Mine	Calaveras County	
Do	do	do	30 00	Mineral Mountain Quartz Mine	do	
William P. Reynolds	J. S. Slauson	July 16, 1873	30 00	San Bernardino Quartz Mine	San Bernardino County	
Do	do	do	30 00	Olio Quartz Mine	do	
Do	do	do	30 00	Garvey Placer Mine	do	
Do	do	do	30 00	Mammoth Quartz Mine	do	
Samuel Bethell	Dirk Vashlom	July 19, 1873	30 00	Empire Quartz Mine	Placer County	
Jarvis Kiel	Jerome B. Brown	do	30 00	Duocan Quartz Mine	Mariposa County	
J. M. Anderson	George G. Blanchard	July 20, 1873	40 00	Eureka Quartz Mine	El Dorado County	
A. B. Beauvais	George H. Moore	July 22, 1873	30 00	Keystone Copper Mine	Calaveras County	
B. R. Wardlaw	Dexter Taft	do	30 00	Gem Quicksilver Mine	Lake County	
H. S. Bradley	Manuel Pererrea	July 24, 1873	30 00	Himbug Creek Flimming Placer Mine	Nevada County	
Samuel Bethell	A. Preece	do	30 00	Oro and Dardanelle Placer Mine	Placer County	
George H. Perrin	George A. Nourse	July 26, 1873	35 00	North Confidence Gold Quartz Mine	Tuolumne County	
C. W. Hendel	Keystone Quartz-Mining Compy	July 30, 1873	35 00	Keystone Gold Quartz Mine	Sierra County	
J. M. Anderson	Joseph Treat	do	30 00	Yellow Jacket Quartz Mine	El Dorado County	
J. A. Benson	G. G. Webster	July 31, 1873	30 00	Green Spring Placer Mine	Placer County	
Do	C. Beckman	do	30 00	Big Spring Gold Placer Mine	do	
A. G. Winn	J. H. Carroll	do	30 00	Comanessa Copper Mine	do	
J. M. Anderson	Thomas Frazer	Aug. 3, 1873	30 00	Chouleur Quartz Mine	Amador County	
A. M. Jones	Pellet & Truttit	do	35 00	Pellet & Truttit Placer Mine	El Dorado County	
S. Bethell	David P. Marshall	Aug. 5, 1873	35 00	Secret Cañon Quartz Mine	Siskiyou County	
J. M. Anderson	Church & Blanchard	do	35 00	El Dorado Quartz Mine	Placer County	
A. M. Jones	L. M. Foulke	do	35 00	Shores Quartz Mine	El Dorado County	
A. B. Beauvais	George Congdon	Aug. 7, 1873	35 00	Angles Quartz Mine	Siskiyou County	
William Magee	Dixon & Cooper	Aug. 8, 1873	40 00	Dixon & Cooper Placer Mine	Calaveras County	
A. B. Beauvais	Henry F. Williams et al	Aug. 9, 1873	30 00	Waters Quartz Mine	Shasta County	
John Goldsworthy	Graham & Ceell	do	30 00	Graham & Ceell Placer Mine	Tuolumne County	
Do	San Gabriel Mining Company	Aug. 9, 1873	30 00	San Gabriel, or Ferguson, Placer Mine	Los Angeles County	
Do	W. W. Woodman	do	30 00	Woodman Placer Mine	do	
Benjamin Ross	Benjamin Ross	Aug. 10, 1873	35 00	Hall & Co. Placer Mine	Amador County	
A. M. Jones	Lucie Suaw and J. Jipson	Aug. 12, 1873	35 00	Sucker Flat Placer Mine	Siskiyou County	
Do	R. H. Hughes, J. Smith, et al	do	35 00	Anderson Gulch Placer Mine	do	
Do	Lucie Suaw	do	35 00	Van Dozer Gulch Placer Mine	do	
Do	Smith & Hand	do	35 00	Benton Gulch Placer Mine	do	
Do	do	do	35 00	Smith & Hand Placer Mine	do	

J.—Statement of special deposits for the survey of mining-claims in California, &c.—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Salaries.	Name of mine.	Location of mine.	Remarks.
W. L. McKim.	J. M. Wood, attorney.	Aug. 13, 1872	\$30 00	Cloverdale.	Sonoma County.	
A. M. Jones.	T. G. Wright & Co.	do.	35 00	Wright & Co. Placer Mine.	Siakiyou County.	
S. Bethell.	D. W. Spear.	Aug. 15, 1873	35 00	Baker Gold Quartz Mine.	Placer County.	
Do.	do.	do.	35 00	Butcher Bay Gold Quartz Mine.	do.	
J. M. Anderson.	C. B. Thompson and Wm. Shaw.	Aug. 19, 1873	35 00	Corvado Hill Quartz Mine.	El Dorado County.	
A. M. Jones.	Edward Bean.	Aug. 20, 1873	35 00	Hall Gulch Placer Mine.	Siakiyou County.	
C. W. Hendel.	James W. Vinstead.	Aug. 21, 1873	35 00	Phoenix Quartz Mine.	Sierra County.	
J. M. Anderson.	Henry Hager.	Aug. 31, 1873	35 00	German Quartz Mine.	El Dorado County.	
Do.	Swansea Mining Company.	Aug. 24, 1873	35 00	Swansea Quartz Mine.	do.	
Henry F. Terry.	Bandman, Neilson & Co.	do.	50 00	Wet Gulch Quartz and Placer Mine.	Calaveras County.	
J. M. Anderson.	Thomas Smith.	Aug. 23, 1872	35 00	Greenwood Quartz Mine.	El Dorado County.	
A. M. Jones.	Louke Shaw et al.	Aug. 24, 1873	35 00	Tuttle Gulch Placer Mine.	Siakiyou County.	
Do.	Timothy Coocoran.	do.	35 00	Joundon Gulch Placer Mine.	do.	
Samuel Bethell.	D. W. Spear.	do.	35 00	Greene Walker Quartz Mine.	Placer County.	
A. M. Jones.	A. E. Schwatka.	do.	35 00	Brown & Murray Placer Mine.	Siakiyou County.	
S. Bethell.	Dudworth Woodcut et al.	Aug. 26, 1873	35 00	Salsig Gold Quartz Mine, (Extension No. 1.)	Placer County.	
Do.	L. S. Taylor.	do.	35 00	Ada Bell Placer Mine.	do.	
C. W. Hendel.	Charles F. Wehn.	Aug. 26, 1873	35 00	Dear Creek Gold and Silver Mine.	Sierra County.	
Benjamin Ross.	Edward F. Taylor.	do.	35 00	Manmoth Quartz Mine.	Amador County.	
J. A. Benson.	Thomas Campbell.	Aug. 30, 1873	40 00	Gardland Mill Slope Placer Mine.	Placer County.	
J. M. Anderson.	William Jones.	Aug. 31, 1873	35 00	Maryland Quartz Mine.	El Dorado County.	
Do.	Henry Gutierrez.	Aug. 31, 1873	35 00	Pacific Quartz Mine.	do.	
E. B. Eddy.	Dabbie & Byrne.	Sept. 2, 1873	35 00	Marietta Gold and Silver Quartz Mine.	Nevada County.	
Do.	do.	do.	35 00	Sulphuret Gold and Silver Quartz Mine.	do.	
James G. Wather.	Wisconsin Gold Quartz Mining Company.	Sept. 6, 1873	35 00	Wisconsin Gold Quartz Mine.	do.	
E. B. Eddy.	Charles Marsh.	Sept. 9, 1873	35 00	Eddy Quartzs Mine.	do.	
James McGann.	Horace D. Ferson.	do.	35 00	Clear Creek Placer Mine.	Butte County.	
Do.	E. Conway.	Sept. 10, 1873	35 00	Cherokee Flat Blue Gravel Placer Mine.	do.	
A. M. Jones.	James W. Fox.	do.	35 00	James William Fox Placer Mine.	Siakiyou County.	
W. L. McKim.	B. F. Richtmeyer.	do.	35 00	Oaks Quartz Mine.	Amador County.	
W. S. Lowden.	Harvey S. Brown.	Sept. 11, 1873	35 00	Oregon Gulch Mountain Placer Mine.	Trinity County.	
A. B. Beauvais.	William Davis.	do.	35 00	Mammoth Quartz Mine.	Tuolumne County.	
H. F. Terry.	William H. Duryes.	Sept. 12, 1872	35 00	Chall Gulch Fluming Co.'s Placer Mine.	Calaveras County.	
S. Bethell.	Hart Fellows.	Sept. 16, 1873	35 00	Great Crevices.	El Dorado County.	
William Sharp.	E. Jacobs.	do.	40 00	Martind & Co. Placer Mine.	Siakiyou County.	
John Goldsworthy.	A. D. Ford.	Sept. 18, 1872	35 00	Ford Placer Mine.	Los Angeles County.	
H. F. Terry.	S. O. Brown.	do.	35 00	Hudson Mill-site.	Calaveras County.	

John Goldsworthy	do	35 00	Brul Placer Mine	Los Angeles County
J. M. Anderson	do	35 00	Gopher Quartz Mine	El Dorado County
E. B. Eddy	Sept. 19, 1872	30 00	Pennsylvania Placer Mine	Nevada County
do	do	30 00	Pennsylvania Quartz Mine	do
S. Bethell	do	35 00	Piedmont Quartz Mine	Placer County
William L. McKim	do	30 00	Henderson Quartz Mine	Amador County
H. S. Bradley	Sept. 20, 1872	35 00	Nevada Mining Company Placer Mine	Yuba County
E. C. Uren	do	100 00	Chinich and Golden Gate Placer Mine	Placer County
Alexander McElroy	do	35 00	Washington Lode	Mariposa County
S. Bethell	Sept. 24, 1872	40 00	Indiana Hill Hydraulic Placer Mine	Placer County
W. L. McKim	Sept. 25, 1872	35 00	Gray Eagle Quartz Mine	Amador County
do	do	35 00	Lady Franklin Gold and Silver Mine	Alpine County
E. P. Lovejoy	Sept. 26, 1872	35 00	Tom Bell Placer Mine	Trinity County
do	do	35 00	Duanebrink Placer Mine	do
Jacob Hagar et al	do	35 00	Hagar & Haas Placer Mine	do
Isaac Woodbury et al	do	40 00	Garden Gulch Placer Mine	do
J. M. Anderson	do	35 00	Grizes Ranch Placer Mine	El Dorado County
Honey F. Terry	do	35 00	Plymouth Rock Gold Quartz Mine	Calaveras County
C. W. Hendel	Sept. 28, 1872	40 00	Last Chance Placer Mine	Sierra County
N. C. Miller	do	35 00	Montreal Gravel Mine	Nevada County
William L. McKim	Sept. 30, 1872	35 00	Fort Yuma Gold Quartz Mine	El Dorado County
Samuel Bethell	do	45 00	Ophir Quartz Mine and mill-site	Placer County
A. B. Beauvais	Oct. 1, 1872	35 00	Patterson Quartz Mine	Tuolumne County
William P. Reynolds	do	35 00	Templito Quartz Mine	Kern County
do	do	35 00	Clara Louisa Quartz Mine	do
do	do	35 00	Whale and Pedregosa Quartz Mine	do
A. B. Beauvais	Oct. 9, 1872	35 00	Doctor Hill Quartz Mine	Calaveras County
William Sharp	do	35 00	Scott River Placer Mine	Slaskiyon County
E. C. Uren	do	50 00	Bumpus Canyon Placer Mine	Placer County
W. S. Lowden	Oct. 3, 1872	35 00	Clary & McCarthy Placer Mine	Trinity County
N. C. Miller	do	35 00	Champion Gold, Silver, and Copper Mine	Nevada County
H. F. Terry	Oct. 7, 1872	35 00	North Palomia Quartz Mine	Calaveras County
M. H. Stone	do	35 00	Chamberlain & Cruser Placer Mine	Yuba County
John A. Benson	Oct. 9, 1872	35 00	Harlock & Watson Quartz Mine	Placer County
A. B. Beauvais	Oct. 10, 1872	35 00	Boyce Quartz Mine and mill-site	Calaveras County
William Sharp	do	50 00	Junction Bar Placer Mine	Slaskiyon County
do	Oct. 11, 1872	35 00	Goodale & Williams Placer Mine	do
do	do	50 00	Johnson Hill Placer Mine	do
do	do	50 00	Michigan Bar Placer Mine	do
James McGann	Oct. 12, 1872	50 00	Hendrick & Co's Placer Mine	El Dorado County
do	do	35 00	Railroad Hill Quartz Mine	do
W. S. Lowden	Oct. 15, 1872	35 00	Window Hill Quartz Mine	do
do	do	40 00	Studevant Placer Mine	Trinity County
do	do	40 00	Prussian Placer Mine	do
do	do	35 00	H. C. Witt Placer Mine	do
do	do	35 00	Bed Rock Tunnel Placer Mine	do
do	do	35 00		do

J.—Statement of special deposits for the survey of mining-claims in California, &c.—Continued.

Name of surveyor.	Name of depositor	Date of deposit.	Salaries.	Name of mine.	Location of mine.	Remarks.
W. S. Lowden.....	Sidney Smith	Oct. 16, 1872	\$35 00	Sidney Smith Placer Mine	Trinity County	
W. O. Uren.....	Charles H. Carr	Oct. 17, 1872	35 00	Vermont Placer Mine	Trinity County	
William Sharp.....	C. E. Leduc	Oct. 17, 1872	30 00	Leduc Placer Mine	Siskiyou County	
William L. McKim.....	C. W. Felton et al	Oct. 18, 1872	40 00	Wheeler Quartz Mine	Amador County	
E. W. Brown.....	D. W. Spear	Oct. 21, 1872	35 00	Kullman Quartz Mine	Nevada County	
L. F. Cooper.....	C. M. Bailey	Oct. 22, 1872	35 00	Willow Bar Placer Mine	Siskiyou County	
H. H. Sanford.....	L. B. Ayer	Oct. 23, 1872	35 00	Pennsylvania Quartz Mine	Yuba County	
A. B. Beauvais.....	Joseph C. Boyd	Oct. 26, 1872	35 00	Catawag Gravel Mine	Calaveras County	
Do.....	Do.....	do.....	35 00	Delo West Placer Mine	do	
W. S. Lowden.....	John Bergin et al	do.....	35 00	Dolly Varden Placer Mine	Trinity County	
John A. Benson.....	Alexander Moore	Oct. 26, 1872	35 00	Missouri Placer Mine	Placer County	
J. M. Anderson.....	W. J. West	Oct. 26, 1872	35 00	Big Sandy Quartz Mine	El Dorado County	
A. A. Smith.....	A. J. Fletcher	Nov. 1, 1872	35 00	Summit Placer Mine	Lassen County	
J. M. Anderson.....	W. J. Frost	do.....	35 00	Gray Eagle Quartz Mine	El Dorado County	
W. S. Cooper.....	J. H. Coleman	do.....	35 00	Trinity Placer Mine	El Dorado County	
J. M. Anderson.....	J. N. Thomas	Nov. 2, 1872	35 00	Great Western Mine	El Dorado County	
John Prentice.....	McKane & Welty	Nov. 4, 1872	45 00	Old Pioneer Quartz Mine	Calaveras County	
Henry F. Terry.....	Gwin & Coleman	Nov. 4, 1872	35 00	Minabach Mine	San Luis Obispo County	
Benjamin Ross.....	R. K. Lynds	do.....	35 00	San Francisco Tipper Mine	Nevada County	
R. K. Harris.....	W. C. Lynds	Nov. 6, 1872	35 00	Coates Placer Mine	Placer County	
G. F. Deaton.....	Robert Skinner	do.....	35 00	San Joaquin Gravel Mine	Nevada County	
J. A. Benson.....	W. H. Coates	do.....	35 00	Red Hill Quartz Mine	El Dorado County	
E. B. Eddy.....	George D. Domin	Nov. 7, 1872	35 00	Bacon & Co Placer Mine	Placer County	
J. M. Anderson.....	Richard Doncaster	Nov. 8, 1872	40 00	Cement Hill Placer Mine	El Dorado County	
H. H. Sanford.....	L. B. Ayer	Nov. 9, 1872	30 00	Independent Placer Mine	Placer County	
J. A. Benson.....	George G. Webster	Nov. 9, 1872	35 00	Mount Moravia Placer Mine	Butte County	
William Edmunds.....	Jos Hill	do.....	35 00	Caledonia Quartz Mine	Trinity County	
W. S. Lowden.....	John G. Irwin	Nov. 13, 1872	50 00	Brown Bros Placer Mine	Nevada County	
N. C. Miller.....	Benjamin Wood	Nov. 14, 1872	35 00	Bob Lewis Placer Mine	do	
E. B. Eddy.....	G. S. Brown	Nov. 15, 1872	35 00	Phoenix mill-site	Placer County	
J. A. Benson.....	Robert Lewis	Nov. 15, 1872	35 00	Grider & Co Placer Mine	Amador County	
William L. McKim.....	W. H. Hooper	do.....	35 00	Chalk Mountain Blue Gravel Mine	El Norte County	
L. F. Cooper.....	L. B. Grider et al	Nov. 16, 1872	50 00	Mahoney Quartz Mine	Nevada County	
E. B. Eddy.....	J. M. Buffington	do.....	50 00	Central Placer Mine	Amador County	
W. L. McKim.....	James Morgan	Nov. 18, 1872	35 00	Horace Kilham Placer Mine	Nevada County	
E. B. Eddy.....	Niles Searles	do.....	35 00	Enterprise Placer Mine	do	
Do.....	do.....	do.....	35 00	Diamond Mountain Gravel Mine	do	
Do.....	do.....	do.....	35 00	Good Hope Quartz Mine	Lassen County	
A. A. Smith.....	S. A. Bishop	Nov 23, 1872	35 00	Happ Camp Placer Mine	Amador County	
W. L. McKim.....	Charles Peters	Nov 23, 1872	35 00	Isabella Quartz Mine	El Norte County	
L. F. Cooper.....	Albert Doolittle	Nov 25, 1872	35 00	Empire Quartz Mine	El Dorado County	
J. M. Anderson.....	Thomas Frazer	do.....	35 00	Sally Jones Quartz Mine	Placer County	
J. A. Benson.....	M. Hazlet	do.....	35 00	do.....	do	
Do.....	P. T. Noyes	do.....	35 00	do.....	do	

Deposit withdrawn.

14	E. B. Eddy	do.	35 00	Wyoming Quartz Mine	Nevada County
14	J. A. Benson	Nov. 29, 1872	35 00	McDaniel Placer Mine	Placer County
14	Samuel Bethell	do.	40 00	Hazard Placer Mine	do
14	C. W. Hendel	do.	35 00	Key Quartz Mine	Plumas County
14	J. A. Benson	Nov. 27, 1872	35 00	Oro Placer Mine	Placer County
14	Do.	do.	35 00	Cameron Placer Mine	do
14	Wm L. McKim	do.	35 00	Oak Hill Copper Mine	Amador County
14	J. M. Anderson	Nov. 29, 1872	35 00	Shepherd & Co. Quartz Mine	El Dorado County
14	H. S. Bradley	Dec. 2, 1872	49 75	Weed's Point Placer Mine	Yuba County
14	E. B. Eddy	Dec. 3, 1872	50 00	Woolcupa Placer Mine	Nevada County
14	Do.	do.	50 00	Yon Bet Placer Mine	do
14	Do.	do.	45 00	Neese and West Placer Mine	do
14	Do.	do.	45 00	Buena Vista Quartz Mine	Calaveras County
14	W. K. Boncha	Dec. 4, 1872	35 00	Phoenix East Quartz Mine	Amador County
14	W. L. McKim	Dec. 6, 1872	35 00	Bowen Placer Mine	Placer County
14	J. A. Benson	Dec. 7, 1872	40 00	Willey Placer Mine	do
14	John A. Benson	do.	40 00	Clydesdale Placer Mine	do
14	J. A. Benson	Dec. 9, 1872	40 00	Malone Consolidated Placer Mine	Nevada County
14	E. B. Eddy	Dec. 10, 1872	40 00	American Copper Mine	El Dorado County
14	George Johnson	Dec. 10, 1872	40 00	Badger Hill Quartz Mine	Nevada County
14	G. F. Deetken	Dec. 14, 1872	50 00	Crumpton Placer Mine	Del Norte County
14	William Sharp	Dec. 17, 1872	50 00	Schmitt Quartz Mine	Nevada County
14	E. W. Brown	Dec. 19, 1872	50 00	Hoppy Camp Hydraulic Placer Mine	Del Norte County
14	L. F. Cooper	do.	50 00	Uncle Sam Qtz. Mine and mill-site	Tuolumne County
14	A. B. Beauvais	Dec. 21, 1872	30 00	Clear Creek Placer Mine	Del Norte County
14	William Sharp	do.	50 00	Star United Placer Mine	Placer County
14	E. C. Uren	Dec. 23, 1872	50 00	Franklin Placer Mine	do
14	J. A. Benson	Dec. 26, 1872	40 00	Keystone Consolidated Qtz. Mine	Lassen County
14	J. C. Partridge	Dec. 27, 1872	100 00	Pine Nut Quartz Mine	Tuolumne County
14	J. P. Dart	do.	40 00	Williams' Point Placer Mine	Del Norte County
14	L. F. Cooper	Dec. 30, 1872	50 00	Neverto Placer Mine	Los Angeles County
14	John Goldsworthy	do.	40 00	Nellie E. Dent Gold Quartz Mine	Kern County
14	Alfred Craven	Jan. 2, 1873	40 00	Nashville Quartz Mine	Nevada County
14	E. W. Brown	do.	45 00	Summer Gold and Silver Quartz Mine	El Dorado County
14	J. M. Anderson	Jan. 3, 1873	40 00	Big Blue Lead Gold and Silver Quartz Mine	Kern County
14	Alfred Craven	Jan. 6, 1873	40 00	Union Copper Mine	Del Norte County
14	Do.	do.	40 00	Washington Placer Mine	Nevada County
14	D. S. Sartwell	Jan. 8, 1873	40 00	Fremont Quartz Mine	Amador County
14	E. C. Uren	Jan. 10, 1873	40 00	Emigrant Placer Mine	Nevada County
14	W. L. McKim	Jan. 13, 1873	40 00	Yellow Jacket Gold Quartz Mine	El Dorado County
14	E. C. Uren	Jan. 13, 1873	35 00	Hubbard & McAdams Quartz Mine	Amador County
14	J. M. Anderson	Jan. 14, 1873	40 00	Ferguson Placer Mine	Del Norte County
14	W. L. McKim	do.	50 00	Harlecrable Placer Mine	El Dorado County
14	William Sharp	do.	35 00	Jones Placer Mine	Trinity County
14	M. Anderson	Jan. 16, 1873	45 00	Bonney Placer Mine	Calaveras County
14	John G. Irwin	Jan. 17, 1873	40 00		
14	Beauvais	do.			

May 19, 1873, additional deposit, \$20.



J.—Statement of special deposits for the survey of mining-claims in California, &c.—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Salaries.	Name of mine.	Location of mine.	Remarks.
A. B. Beauvais	Haas Brothers	Jan. 17, 1873	\$40 00	Bowling Green Placer Mine	Calaveras County	
H. F. Terry	Anglo-Saxon Mining Company	Jan. 18, 1873	35 00	Anglo-Saxon Quartz Mine	do	
E. B. Eddy	Burndam, Nielson & Co.	Jan. 20, 1873	40 06	Dillon Quartz Mine	Nevada County	
Do	John F. Caldwell et al.	Jan. 23, 1873	35 00	Gaston Ridge Quartz Mine	do	
E. C. Uren	William Harker	do	40 00	Morning Star Placer Mine	Placer County	
H. F. Terry	E. J. Coleman	Jan. 24, 1873	35 00	Gwin Quartz Mine, (resurvey)	Calaveras County	
E. C. Uren	Osmyn Harkness	do	100 00	Church and Golden Gate Placer Mine, (resurvey)	Placer County	
Do	Joshua Cozzens	do	40 00	Gall Placer Mine	Nevada County	
T. J. Dewoody	Bella Union Quicksilver Mine	do	35 00	Bella Union Quicksilver Mine	Napa County	
H. S. Bradley	A. J. Ridge	Jan. 25, 1873	40 00	Howard Lound Quartz Mine	Nevada County	
C. W. Hendel	M. Emery	do	35 00	Mount Pleasant Placer Mine	Sierra County	
A. B. Beauvais	John S. Mounson	do	40 00	Sweeney Quartz Mine	Tuolumne County	
H. F. Terry	R. F. Hawes	Jan. 27, 1873	40 00	Camp Seco Copper Mine	Calaveras County	
J. A. Benson	H. T. Holmes	do	40 00	Conrad Quartz Mine	Placer County	
William L. McKim	Comet Quartz Mine	Jan. 28, 1873	35 00	Comet Quartz Mine	Amador County	
J. M. Anderson	J. C. Bateman	Jan. 29, 1873	40 00	Gundahupe Gold Quartz Mine	El Dorado County	
William Magee	William Magee	do	40 00	John Orr Placer Mine	Shasta County	
William P. Reynolds	E. J. Weston	Jan. 30, 1873	40 00	Summit Quartz Mine	Kern County	
William Magee	William Magee	do	10 00	John Orr Placer Mine	Shasta County	
A. B. Beauvais	Otis Perrin	Jan. 31, 1873	40 00	Cranberry Quartz Mine	Mariposa County	
Do	do	do	40 00	Mack Quartz Mine	Tuolumne County	
Do	do	do	40 00	Rutherford Quartz Mine and mill-site.	Mariposa County	Additional deposit.
William L. McKim	Otto Walther	Feb. 1, 1873	40 00	Mount Vernon Quicksilver Mine	Sonoma County	
M. H. Stone	Rufus Bean	do	30 00	Bean Boys Placer Mine	Yuba County	
H. H. Sandford	E. A. Emerson	Feb. 3, 1873	40 00	Bee-Hive Quartz Mine	do	
A. A. Smith	Frank Swift	Feb. 5, 1873	40 00	Old Providence	Lassen County	
J. P. Dart	Ignatz Steinbart	do	40 00	New Albany Quartz Mine	Tuolumne County	
A. A. Smith	Hayden Hill Mining Company	do	100 00	Hayden Hill Mining Company	Lassen County	
Do	Providence Gold Mining Comp y	do	50 00	Providence Gold and Silver Mining Company.	do	
L. F. Cooper	George Crumpton	Feb. 7, 1873	40 00	Eik Creek Nothing Bar Placer Mine.	Del Norte County	
Do	James Camp	do	45 00	Classic Hill Placer Mine	do	
W. S. Lowden	John G. Irwin	Feb. 8, 1873	40 00	Tipperary Placer Mine	Trinity County	
E. C. Uren	James McCure	do	40 00	Union Company Placer Mine	Placer County	
William Sharp	J. A. and D. R. Evans	Feb. 10, 1873	40 00	Evans Placer Mine	Del Norte County	
J. H. Wagner	H. K. Simonds	Feb. 8, 1873	40 00	Hocomb Valley Placer Mine	San Bernardino County	
J. M. Anderson	I. C. Bateman	Feb. 11, 1873	40 00	Saint Lawrence No. 2 Quartz Mine	El Dorado County	
Do	H. P. McNevin	do	40 00	North Saint Lawrence Quartz Mine.	do	
M. H. Stone	D. Beadle	Feb. 14, 1873	30 00	Roberts & Co. Placer Mine	Yuba County	
Charles E. Kraus	Sun Felipe Silver Mining Comp y	Feb. 17, 1873	40 00	San Felipe Gold and Silver Mine	Juayo County	

A. M. Jones	Andrew Jackson	do.	35 00	Buckeye Bar Placer Mine	Siskiyou County
E. B. Eddy	Louis Voss	do.	50 00	Mount Oro Placer Mine	Nevada County
J. M. Anderson	Joseph Zeigler & Co	do.	40 00	Atlantic Quartz Mine	El Dorado County
J. P. Dart	C. L. Street	do.	35 00	Valparaiso Quartz Mine	Tuolumne County
W. S. Lowden	W. S. Lowden	Feb. 18, 1873	43 00	Oregon Gulch Placer Mine	Trinity County
W. L. McKim	J. W. Bennett	do.	35 00	North Lincoln Quartz Mine	Amador County
William Sharp	M. K. Thomas	Feb. 24, 1873	50 00	Thomas Placer Mine	Siskiyou County
W. L. McKim	J. A. Eagan	do.	50 00	Golden Eagle Quartz Mine	Amador County
L. F. Cooper	William B. Reeve & Co	do.	50 00	Reese & Co. Placer Mine	Del Norte County
Do.	J. W. Tuttle & Co.	do.	50 00	Tuttle & Co. Placer Mine	do
W. S. Lowden	R. Clifford	Feb. 25, 1873	40 00	Wheaton Placer Mine	Trinity County
L. Seabold	J. M. Case	do.	40 00	Bonshay Silver Mine	Inyo County
A. W. Keddle	Arthur W Keddle	Feb. 26, 1873	40 00	Spring Garden Placer Mine	Plumas County
C. W. Hendel	Pioneer Gold and Silver Mining Company	Feb. 21, 1873	35 00	Pioneer Placer Mine	Sierra County
Alexander McElroy	William Higgins	Feb. 24, 1873	40 00	Crystal Quartz Mine	Mariposa County
J. M. Anderson	G. M. Adams	Feb. 27, 1873	40 00	Griffith and Bryant Quartz Mine	El Dorado County
Do.	J. N. Webster	do.	40 00	Cederberg, "First Southerly Extension," Quartz Mine	do
W. K. Boucher	W. K. Boucher	Feb. 28, 1873	40 00	Williams & Hughes Placer Mine	Calaveras County
W. T. Gray	James K. Byrne	Mar. 3, 1873	40 00	Union Hill Quartz Mine	Nevada County
W. S. Lowden	P. McGrath and R. Ryan	do.	45 00	Herrick Placer Mine	Trinity County
Do.	E. Lovejoy	do.	45 00	Sheridan Placer Mine	do
E. C. Uron	J. F. Van Diver	Mar. 5, 1873	40 00	Sumpter Placer Mine	Placer County
L. Seabold	F. F. Temple	Mar. 6, 1873	50 00	Temple Quartz Mine and mill-site	Inyo County
Do.	S. Bonshay	do.	50 00	Gem of the Desert Silver Mine	do
J. M. Anderson	Christian Weisel	Mar. 7, 1873	40 00	Last Chance Quartz Mine	El Dorado County
C. F. Dietken	Dibble & Byrne	Mar. 8, 1873	40 00	North Star Quartz Mine	Nevada County
H. S. Craven	M. W. Belshaw	Mar. 11, 1873	40 00	Union Quartz Mine	Inyo County
Do.	do	do.	40 00	San Felipe Gold and Silver Mining Company	do
E. T. Gray	John S. Stidger	Mar. 13, 1873	40 00	Bunker Hill Placer Mine	Nevada County
Do.	Kohler & Wakely	Mar. 14, 1873	35 00	Kohler's Field Placer Mine	Siskiyou County
William Janine	J. G. McCallum	do.	35 00	Tong Gold Quartz Mine	El Dorado County
A. M. Jones	John Walter	Mar. 19, 1873	40 00	Mouth of Humbag Placer Mine	Siskiyou County
T. J. Dewoody	J. M. Haven	Mar. 21, 1873	40 00	Helen Quicksilver Mine	Lake County
E. B. Beauvais	Edward N. Hooper	Mar. 26, 1873	40 00	Sonsby Quartz Mine and mill-site	Tuolumne County
E. C. Uron	E. G. Spencer	do.	40 00	Reconstruction Placer Mine	Placer County
J. F. Cooper	Henry W. Tuttle	Mar. 27, 1873	50 00	Tuttle and Hughes Placer Mine	Del Norte County
J. P. Dart	A. M. Mitchell	do.	40 00	Alameda Quartz Mine	Tuolumne County
C. T. Haley	E. McMichael	Mar. 28, 1873	40 00	Cerro Bonito No. 1 Quicksilver Mine and mill-site	Fresno County
Do.	James Sargent	do.	40 00	Cerro Bonito No. 2 Quicksilver Mine and mill-site	do
Do.	L. Bixby	do.	40 00	Cerro Bonito No. 3 Quicksilver Mine and mill-site	do
Do.	Benjamin Flint	do.	40 00	Cerro Bonito No. 4 Quicksilver Mine and mill-site	do
Do.	Jesse D. Carr	do.	40 00	Cerro Bonito No. 5 Quicksilver Mine and mill-site	do

Additional deposit made August 21, 1873, \$35.

J.—Statement of special deposits for the survey of mining-claims in California, &c.—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Salaries.	Name of mine.	Location of mine.	Remarks.
C. T. Haley.....	R. G. Morton.....	Mar. 28, 1873	\$4 00	Cerro Bonito No. 6 Quicksilver Mine and mill-site.	Fresno County	
Do.....	Milton Little.....	do.....	40 00	Cerro Bonito No. 7 Quicksilver Mine and mill-site.	do	
Do.....	Thomas Flint.....	do.....	40 00	Cerro Bonito No. 8 Quicksilver Mine and mill-site.	do	
Frederick Mow.....	Duryea & Rose.....	Apr. 1, 1873	60 00	Duryea & Rose Placer Mine.....	Nevada County	
E. C. Uren.....	S. L. Irish.....	Apr. 3, 1873	50 00	Irish & Byrne Placer Mine.....	Placer County	
A. B. Beauvais.....	N. W. Chittenden.....	Apr. 4, 1873	40 00	Carson Gold Quartz Mine.....	Calaveras County	
William Sharp.....	W. H. Knight.....	do.....	50 00	Ambrose Placer Mine.....	Del Norte County	
Do.....	do.....	do.....	50 00	Mine & Mac Placer Mine.....	do	
W. L. Lowden.....	A. P. Haskins.....	Apr. 10, 1873	44 40	Hatchel Creek Placer Mine.....	Trinity County	
W. L. McKim.....	Peter Pagan.....	do.....	40 00	Mechanics Quartz Mine.....	Amador County	
A. B. Beauvais.....	R. M. Haycock.....	Apr. 11, 1873	40 00	Rawhide Placer Mine.....	Tuolumne County	
Do.....	do.....	do.....	40 00	Paduca Placer Mine.....	do	
Do.....	J. W. Caschwalz.....	do.....	40 00	Shanzhal Quartz Mine.....	do	
Do.....	do.....	do.....	40 00	Rawhide No. 2 Quartz Mine and mill-site.	do	
H. S. Cravens.....	Beveridge & Hunter.....	Apr. 14, 1873	40 00	Belmont Silver Quartz Mine.....	Inyo County	
Do.....	J. E. Hughes.....	do.....	40 00	Witcomb Silver Quartz Mine.....	do	
William Sharp.....	Martin Coddishly.....	Apr. 15, 1873	50 00	Haley Placer Mine.....	Del Norte County	
Do.....	W. H. Knight.....	do.....	50 00	Bunker Hill Placer Mine.....	do	
Do.....	do.....	do.....	50 00	Happy Camp Hydraulic Placer Mine.....	do	
Samuel Bethell.....	James Collins.....	Apr. 16, 1873	40 00	Black Ledge Quartz Mine.....	Placer County	
Do.....	James Stevenson.....	Apr. 17, 1873	40 00	Lone Star Quartz Mine.....	Calaveras County	
A. M. Jones.....	James Quinn.....	Apr. 18, 1873	40 00	George Simmons Placer Mine.....	Siskiyou County	
Do.....	George Simmons.....	do.....	40 00	Burgess Ranch Placer Mine.....	do	
Do.....	Ira Falstead.....	do.....	40 00	Halstead mill-site.....	do	
W. I. McKim.....	J. M. Monigomery.....	Apr. 19, 1873	40 00	Cabon Creek Quartz Mine.....	Amador County	
E. T. Gray.....	J. M. Monigomery.....	do.....	50 00	Empire Placer Mine.....	Nevada County	
J. C. Packridge.....	William Irvine.....	do.....	50 00	Morgan Quartz Mine and mill-site.	Lassen County	
A. B. Beauvais.....	Marance Dore.....	do.....	50 00	Shawmut Quartz Mine and mill-site.	Calaveras County	
G. F. Deethen.....	Philip & Byrne.....	do.....	40 00	Alaska Quartz Mine.....	Tuolumne County	
A. W. Keddie.....	J. E. Edwards.....	Apr. 21, 1873	40 00	Cosmopolitan Copper Mine.....	Nevada County	
H. F. Terry.....	W. Hamilton.....	Apr. 23, 1873	40 00	Wet Gulch and Chaparral Quartz Mine and mill-site.	Plumas County	
John Goldsworthy.....	Henry C. Anstett.....	do.....	35 60	Baker & Anstett Placer Mine.....	Los Angeles County	
W. S. Lowden.....	Joseph McCallvary.....	Apr. 28, 1873	50 00	McCallvary Placer Mine.....	Trinity County	
L. F. Cooper.....	William H. Wood.....	Apr. 29, 1873	50 00	Port God Placer Mine.....	Siskiyou County	
Do.....	Bailey & Wood.....	do.....	50 00	Masonic Bar Placer Mine.....	do	
R. B. Thomas.....	R. B. Thomas.....	May 1, 1873	45 00	Golden Lake Placer Mine.....	Mariposa County	
Denton D. Brown.....	J. J. Corrigan.....	May 2, 1873	40 00	Porter Gold and Silver Mine.....	Butte County	
A. M. Jones.....	C. Spangler et al.....	do.....	40 00	Humburg Placer Mine.....	Siskiyou County	
W. L. McKim.....	W. L. McKim.....	do.....	40 00	Hartford Quartz Mine.....	Nevada County	
Samuel Bethell.....	J. J. Smith.....	May 3, 1873	40 00	Alabama Gold Quartz Mine.....	Amador County	
		do.....	40 00		Placer County	

No survey ordered.

W. L. McKim	Humphrey Rees	40 00	Reese Quartz Mine	Amador County
J. A. Benson	Hoamer & Lewis	40 00	Lehigh Placer Mine	Placer County
E. T. Gray	Hugh Logan	45 00	Shady Creek Placer Mine	Nevada County
G. F. Deetken	A. J. Ridge	40 00	Spring Hill Extension Quartz Mine	do
William Sharp	George Wood	50 00	George Wood's Placer Mine	Del Norte County
A. W. Keddle	Caleb T. Fay	100 00	Sierra Iron Mine	Del Norte County
William Sharp	L. P. and J. B. Smith	50 00	Smith & Co. Placer Mine	Del Norte County
E. C. Uren	George H. Atkins	45 00	Atkins & Taylor Placer Mine	Nevada County
J. A. Benson	Peyton Powell	40 00	United States Quartz Mine	Placer County
E. C. Uren	C. H. Hankins	50 00	Bird's Eye Carbon Placer Mine	Nevada County
H. F. Terry	The Katsgeb Quartz Mining Co.	40 00	Rathgeb Quartz Mine	Calaveras County
L. F. Cooper	Albert Barnett	45 00	Blue Bar Placer Mine	Del Norte County
William Magee	George F. McPherson	80 00	Pleby Hill Placer Mine	Shasta County
John Goldsworthy	W. A. Dalton	20 00	Noverto Placer Mine	Los Angeles County
William Sharp	Obediah Rood	35 00	Pilot Company No. 1 Placer Mine	Klamath County
Charles W. Hendel	H. B. Hefenden et al	40 00	Golden Sun Quartz Mine	Sierra County
H. H. Sandford	G. H. Sheplar	40 00	Oshorn Placer Mine	Butte County
W. S. Lowden	John G. Irwin	45 00	North Star Placer Mine	Trinity County
R. B. Thomas	R. A. Fry	45 00	Alta California Copper Mine	Mariposa County
E. C. Uren	H. H. Brown	40 00	Poplery Quicksilver Mine	Placer County
D. S. Sartwell	The Alta California Copper Mining Company	40 00	Church Union Quartz Mine	Del Norte County
T. J. Dewoody	R. F. Knox	40 00	New London Quartz Mine	Lake County
J. M. Anderson	S. A. Walker and W. S. Church	40 00	Weske No. 3 Placer Mine	El Dorado County
W. L. McKim	J. G. Aden	40 00	Green Mountain Quartz Mine and mill-site	Amador County
S. Bethell	Adolph Weske	40 00	Justice Placer Mine	Placer County
A. W. Keddle	George C. Perkins	40 00	Stoddard Placer Mine	Trinity County
John Goldsworthy	W. W. Woodman	40 00	Liberty Hill Placer Mine	Nevada County
W. S. Lowden	R. and J. H. Haskin	30 00	Stoddard Placer Mine	Trinity County
E. C. Uren	A. J. Doolittle	40 00	"S ther" Placer Mine	Nevada County
Do	W. B. Stoddard	5 00	Golden Sun Placer Mine	Butte County
W. S. Lowden	Charles H. Wynnan	35 00	Butcher Flat Placer Mine	Nevada County
E. T. Gray	Golden Sun Mining Company	50 00	Stoddard Placer Mine	Klamath County
Alfred Cravous	J. P. Fairchild	5 00	King-Chicken Point and Smith Powell Placer Mine	Trinity County
A. M. Jones	W. B. Stoddard	120 00		Nevada County
W. S. Lowden	Charles Marsh			
E. T. Gray				

Additional deposit.

Additional deposit.

Additional deposit.

J. R. HARDENBERGH,  
United States Surveyor-General for California.

K.—Statement of account of appropriation for the survey of the public lands in California during the fiscal year 1872-73.

Date of account sent.	In favor of—	Date of contract.	Amount.	Date.	On account of—	Amount.
Feb. 19, 1873	John M. Ingalls.....	July 1, 1872	\$6,859 43	July 1, 1872	Appropriation of June 10, 1872.....	\$60,000 00
Dec. 31, 1872	Frank S. Ingalls.....	July 1, 1872	6,449 51			
Nov. 27, 1872	William Minto.....	July 1, 1872	3,614 36			
Dec. 26, 1872	William Minto.....	July 12, 1872	2,739 09			
Mar. 17, 1873	Frank S. Ingalls.....	July 1, 1872	5,373 55			
Jan. 8, 1873	George Small.....	Aug. 1, 1872	1,273 83			
June 30, 1873	E. W. Brown.....	Sept. 4, 1872	2,325 86			
Feb. 7, 1873	H. M. Hayes.....	Sept. 7, 1872	1,419 33			
Mar. 15, 1873	William Minto.....	Sept. 23, 1872	6,753 10			
Jan. 10, 1873	William Minto.....	Sept. 25, 1872	1,128 31			
Jan. 29, 1873	William Minto.....	Oct. 1, 1872	305 62			
Feb. 7, 1873	H. M. Hayes.....	Oct. 26, 1872	768 91			
July 17, 1873	William H. Norway.....	April 31, 1873	184 17			
	Balance of appropriation applicable to contracts made previous to June 30, 1873, and not yet audited, (as shown below).....		20,812 83			60,000 00

J. R. HARDENBERGH,  
United States Surveyor-General for California.

Statement of account of appropriation for the survey of public lands in California during the fiscal year 1872-73.

Date of account sent. Not audited.	In favor of—	Date of contract.	Amount.	On account of—	Amount.
May 12, 1873	John M. Ingalls.....	July 1, 1872	\$6,349 49	Balance of appropriation applicable to contracts made prior to June 30, 1873.....	\$20,812 83
April 14, 1873	George Small.....	July 1, 1872	6,995 95		
April 17, 1873	John C. Partridge.....	July 12, 1872	2,199 80		
April 17, 1873	John C. Partridge.....	Sept. 20, 1872	1,638 18		
	William Minto.....	June 28, 1873	2,600 00		
	H. H. Sanford.....	June 28, 1873	200 00		
	A. A. Smith.....	June 30, 1873	400 00		
	Balance reserved for excess in unlimited contracts.....		429 41		
			20,812 83		

J. R. HARDENBERGH,  
United States Surveyor-General for California.

L.—Statement of account of appropriation for office-rent, stationery, pay of messenger, and incidental expenses of the office of the United States surveyor-general for California for the fiscal year ending June 30, 1873.

1872. Sept. 30	To amount paid in July, August, and September, first quarter.	\$1,994 85	1872. July 1	By appropriation by act of June 10, 1872.	\$7,000 00
Dec. 31	To amount paid in October, November, and December, second quarter.	1,698 28			
1873. March 31	To amount paid in January, February, and March, third quarter.	1,871 85			
June 30	To amount paid in April, May, and June, fourth quarter.	804 02			
	To mileage to and from Washington. (See Commissioner's letter August 13, 1872.)	631 00			
		<u>7,000 00</u>			<u>7,000 00</u>
1873. June 30	NOTE: Accounts amounting to . . . . per incidental account of fourth quarter ending this date; still unpaid for want of appropriation.	995 81			

J. R. HARDENBERGH,  
United States Surveyor-General for California.

M.—Account of appropriation for the salary of surveyor-general for California for the fiscal year ending June 30, 1873.

1872. Sept. 30	To account of J. R. Hardenbergh for first quarter.	\$750 00	1872. July 1	By appropriation for salary of the surveyor-general for California, act May 8, 1872.	\$3,000 00
Dec. 31	To account of J. R. Hardenbergh for second quarter.	750 00			
1873. March 31	To account of J. R. Hardenbergh for third quarter.	750 00			
June 30	To account of J. R. Hardenbergh for fourth quarter.	750 00			
		<u>3,000 00</u>			<u>3,000 00</u>

J. R. HARDENBERGH,  
United States Surveyor-General for California.

N.—Statement of account of appropriation for compensation of clerks and draughtsmen in the office of the surveyor-general for California for the fiscal year ending June 30, 1873.

1872. Sept. 30	To amount paid clerks and draughtsmen: For first quarter, ending September 30, 1872.	\$4,890 76	1872. July 1	By appropriation for the fiscal year ending June 30, 1873.	\$26,000 00
Dec. 31	For second quarter, ending December 31, 1872.	6,246 74			
1873. March 31	For third quarter, ending March 31, 1873.	6,565 00			
June 30	For fourth quarter, ending June 30, 1873.	8,224 64			
	Balance of appropriation not drawn.	72 86			
		<u>26,000 00</u>			<u>26,000 00</u>

J. R. HARDENBERGH,  
United States Surveyor-General for California.

O No. 1.—Statement of special individual deposits with the United States assistant treasurer at San Francisco, Cal., during the fiscal year 1872-'73, for compensation of clerks and draughtsmen in the office of the United States surveyor-general for California.

Date of deposit.	Name of depositor.	Location of survey.	Meridian.	Amount of deposit.
July 3, 1872	Francisco Sanjarjo	Township 18 south, range 6 east.	Mount Diablo	\$40 00
July 3, 1872	E. Cousin	Township 3 north, range 1 east	Humboldt	100 00
July 17, 1872	S. H. Harmon	Townships 10 and 11 north, range 14 west	Mount Diablo	100 00
Aug. 16, 1872	S. W. Gardner	Township 23 south, range 17 east	do	50 00
Aug. 16, 1872	G. F. Tuttle	Township 24 south, range 17 east	do	50 00
Aug. 16, 1872	A. T. Baker	Township 2 north, range 1 west.	Humboldt	50 00
Aug. 20, 1872	James F. Stewart	Township 20 south, range 10 east	Mount Diablo	25 00
Aug. 21, 1872	H. M. Hart	Township 2 south, range 8 west.	San Bernardino	50 00
Aug. 23, 1872	Ezekiel Tripp	Township 25 south, range 6 east	Mount Diablo	50 00
Aug. 23, 1872	D. R. Tripp	Township 24 south, range 6 east	do	25 00
Aug. 21, 1872	Sylvester Scott	Township 11 north, range 12 west.	do	25 00
Aug. 21, 1872	John Terry	do	do	25 00
Aug. 22, 1872	J. A. Blakemore	Township 33 north, range 8 west.	do	10 00
Aug. 22, 1872	John H. Smith	do	do	30 00
Aug. 26, 1872	John Dunsford	Township 7 north, range 4 west.	do	5 00
Sept. 23, 1872	Charles McLaughlin	Land listed to Central Pacific Railroad Company		10 00
Oct. 7, 1872	do	do		521 90
Oct. 25, 1872	L. A. Truesdale	Township 7 north, range 1 east	Humboldt	25 00
Oct. 25, 1872	M. Bosque	do	do	50 00
Oct. 25, 1872	J. N. McCalloam	do	do	20 00
Oct. 26, 1872	Ransom Williams	Township 1 north, range 11 west.	San Bernardino	20 00
Oct. 26, 1872	David de la Ossa	do	do	20 00
Oct. 26, 1872	Fabrica de la Ossa	do	do	5 00
Oct. 26, 1872	M. D. Ball	do	do	25 00
Oct. 29, 1872	George Woods	Township 22 south, range 14 east	Mount Diablo	25 00
Oct. 29, 1872	H. K. McClure	do	do	25 00
Oct. 29, 1872	Uriah Sloan	do	do	25 00
Oct. 29, 1872	J. Huyck	do	do	25 00
Oct. 30, 1872	James Ashire	Township 11 north, range 11 west.	do	30 00
Oct. 29, 1872	Isaac Hocem	Township 23 south, range 14 east	do	20 00
Oct. 29, 1872	William Innis	do	do	20 00
Oct. 29, 1872	Hiram Innis	do	do	20 00
Oct. 29, 1872	J. Q. Russell	do	do	20 00
Oct. 29, 1872	Edward Innis	do	do	20 00
Oct. 30, 1872	Robert Rodpath	Township 15 north, range 4 west.	do	50 00
Nov. 4, 1872	Joseph W. Lovell	Township 24 south, range 16 east	do	25 03
Nov. 4, 1872	Hugh W. Lovell	do	do	32 00
Nov. 13, 1872	Frederick Whitaker	Township 25 south, range 17 east	do	36 00
Nov. 13, 1872	Frederick Reef	do	do	36 90
Nov. 13, 1872	A. Hamilton	Township 26 south, range 17 east.	do	20 00
Nov. 13, 1872	Jean Larque	do	do	20 00
Nov. 13, 1872	D. R. Hammit	do	do	20 00
Nov. 18, 1872	Packard and Woodruff	Township 14 north, range 3 east	do	25 00
Nov. 29, 1872	William McClintock	Township 15 north, range 12 west	do	30 00
Dec. 2, 1872	O. Howell	Township 13 north, range 11 west	do	25 00
Dec. 2, 1872	H. Standley	do	do	25 00
Dec. 2, 1872	H. Willard	do	do	25 00
Dec. 2, 1872	William E. Parsons	do	do	25 00
Dec. 5, 1872	P. G. Twohy	Township 20 south, range 28 east.	do	25 00
Dec. 5, 1872	J. S. K. McCutchen	do	do	25 00
Dec. 5, 1872	John Twohy	do	do	25 00
Dec. 5, 1872	M. Mooney	do	do	25 00
Dec. 14, 1872	J. W. Phogan	Township 14 north, range 12 west.	do	20 00
Dec. 14, 1872	R. M. L. Hildreth	do	do	20 00
Dec. 14, 1872	George Necco	do	do	20 00
Dec. 14, 1872	W. C. Phogan	do	do	20 00
Dec. 14, 1872	George W. Necco	do	do	20 00
Dec. 18, 1872	James Gorman	Township 8 north, range 18 west	San Bernardino	50 00
Dec. 20, 1872	John R. Rule	Township 8 north, range 12 west	Mount Diablo	25 00
Dec. 20, 1872	do	Township 8 north, range 11 west	do	25 00
Jan. 2, 1873	Herman Rodgers	Township 20 south, range 12 east.	do	25 00
Jan. 2, 1873	Charles A. Merrill	do	do	25 00
Jan. 6, 1873	John Keyes	Township 6 north, ranges 33 & 34 west	San Bernardino	60 00
Jan. 11, 1873	F. M. Shelton	Township 15 north, range 12 west.	Mount Diablo	16 00
Jan. 11, 1873	Jesse Baker	do	do	15 00
Jan. 17, 1873	Daniel Kline	Township 2 south, range 7 west	San Bernardino	30 00
Jan. 20, 1873	Ira Pierce	Township 5 north, range 31 west	do	33 33
Jan. 20, 1873	Mote McKilgore	do	do	33 33
Jan. 20, 1873	John Daniels	do	do	33 34
Jan. 30, 1873	W. E. Higgins	Township 7 south, range 8 west.	do	29 00
Jan. 30, 1873	Felipe Lobo	do	do	21 00
Jan. 30, 1873	W. T. Garralt	Township 12 north, range 11 west.	Mount Diablo	60 00
Feb. 10, 1873	C. F. Cherry	Township 14 south, range 24 east.	do	25 00
Feb. 10, 1873	John H. Byrd	do	do	25 00

O No. 1.—Statement of special individual deposits, &c.—Continued.

Date of deposit.	Name of depositor.	Location of survey.	Meridian.	Amount of deposit.
Feb. 11, 1873	Lemuel Lytton .....	Township 10 north, range 11 west. ....	Mount Diablo .....	\$25 00
Feb. 11, 1873	S. Englehart .....	.....do .....	.....do .....	25 00
Feb. 12, 1873	Frank Grosbrong .....	Township 11 north, range 16 west .....	.....do .....	41 50
Feb. 12, 1873	H. O. Triplet .....	.....do .....	.....do .....	41 50
Feb. 13, 1873	P. E. Wicks .....	Township 7 north, range 7 west .....	.....do .....	20 00
Feb. 24, 1873	Martin A. Britton .....	Township 14 north, range 4 west .....	.....do .....	25 00
Feb. 26, 1873	John Seibrand .....	Township 11 south, range 1 west .....	.....do .....	20 00
Feb. 26, 1873	Samuel Pullen .....	Township 16 north, range 17 west .....	.....do .....	20 00
Feb. 26, 1873	George Pierce .....	.....do .....	.....do .....	20 00
Feb. 28, 1873	Richard Hammond .....	Township 11 north, range 10 west .....	.....do .....	20 00
Mar. 3, 1873	James F. Breen .....	Township 18 south, range 8 east .....	.....do .....	30 00
Mar. 4, 1873	Thomas Fuller .....	Township 10 south, range 1 east .....	.....do .....	30 00
Mar. 5, 1873	S. P. Hallingren .....	Township 10 north, range 10 west .....	.....do .....	40 00
Mar. 12, 1873	Martin Luther .....	Township 21 south, range 11 east .....	.....do .....	50 00
Mar. 18, 1873	Jacob Luther .....	Township 22 south, range 11 east .....	.....do .....	50 00
Mar. 18, 1873	.....do .....	Township 20 south, range 11 east .....	.....do .....	25 00
Mar. 18, 1873	.....do .....	Township 21 south, range 12 east .....	.....do .....	50 00
Mar. 24, 1873	J. H. Cowan .....	Township 9 north, range 6 west .....	.....do .....	15 00
Mar. 25, 1873	H. R. Botler .....	Township 13 north, range 8 west .....	.....do .....	30 00
April 8, 1873	Charles Brooks .....	Township 1 north, range 21 west, and 2 north, ranges 20 and 21 west.	San Bernardino.	90 00
April 10, 1873	W. E. Green .....	Township 30 north, range 3 east .....	Mount Diablo .....	100 00
April 18, 1873	John S. Foulke .....	Township 18 north, range 18 east .....	.....do .....	30 00
April 21, 1873	Henry Pierce .....	Township 6 north, range 31 west, and 5 north, range 32 west.	San Bernardino.	25 00
April 22, 1873	A. O. Brown .....	Township 11 north, range 2 west .....	Mount Diablo .....	17 00
April 22, 1873	Moseby White .....	.....do .....	.....do .....	16 00
April 22, 1873	George H. Rawson .....	.....do .....	.....do .....	17 00
April 29, 1873	Joseph Russ .....	Township 1 north, range 1 west .....	Humboldt .....	40 00
April 29, 1873	Caleb Yount .....	Township 3 south, range 7 west .....	San Bernardino.	50 00
May 14, 1873	Jasper N. Turner .....	Township 22 south, range 12 east .....	Mount Diablo .....	20 00
May 14, 1873	Noah H. Turner .....	.....do .....	.....do .....	20 00
May 14, 1873	George Taylor .....	.....do .....	.....do .....	20 00
May 23, 1873	E. B. Lovejoy, county judge.	Township 33 north, ranges 9 & 10 west	.....do .....	50 00
May 27, 1873	Charles B. Rice .....	Township 9 north, range 8 west .....	.....do .....	25 00
May 27, 1873	Thomas Brooks .....	.....do .....	.....do .....	25 00
May 27, 1873	Charles W. York .....	.....do .....	.....do .....	25 00
May 27, 1873	Ernest Tants .....	.....do .....	.....do .....	25 00
May 29, 1873	Lausen S. Welton .....	Township 30 north, range 2 east .....	.....do .....	100 00
June 23, 1873	Henry Pierce .....	Township 6 north, range 31 west, and 5 north, range 32 west.	San Bernardino.	30 00
	Total .....			4, 014 90

O No. 2.—Statement of special individual deposits with the United States assistant treasurer at San Francisco, Cal., during the fiscal year 1872-73, for compensation of clerks and draughtsmen in the office of the United States surveyor-general for California.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
July 1, 1872	Peter A. Petretius .....	Sugar Loaf Quartz Mine .....	El Dorado .....	\$30 00
July 1, 1872	James R. Nickerson .....	Cedar Gold Quartz Mine .....	Nevada .....	30 00
July 9, 1872	John M. Glidden .....	Union Copper Mine .....	Calaveras .....	30 00
July 9, 1872	R. Burnell .....	Silver Bow Quicksilver Mine .....	Napa .....	30 00
July 9, 1872	.....do .....	Pope Quicksilver Mine .....	.....do .....	30 00
July 9, 1872	.....do .....	Valley Quicksilver Mine .....	.....do .....	30 00
July 15, 1872	Independent Mining Co. ....	Independent Quartz Mine .....	Sierra .....	40 00
July 15, 1872	G. K. Stevenot .....	Chaparral Hill Gold Quartz Mine .....	Calaveras .....	30 00
July 15, 1872	.....do .....	Mineral Mountain Quartz Mine .....	.....do .....	30 00
July 16, 1872	J. S. Slauson .....	San Bernardino Quartz Mine .....	San Bernar- dino.	30 00
July 16, 1872	.....do .....	Olio Quartz Mine .....	.....do .....	30 00
July 16, 1872	.....do .....	Garvey Placer Mine .....	.....do .....	30 00
July 16, 1872	.....do .....	Mammoth Quartz Mine .....	.....do .....	30 00
July 19, 1872	Dirk Vasiline .....	Empire Quartz Mine .....	Placer .....	30 00
July 19, 1872	Jerome B. Brown .....	Duncan Quartz Mine .....	Mariposa .....	40 00
July 20, 1872	George G. Blanchard .....	Eureka Quartz Mine .....	El Dorado .....	30 00
July 22, 1872	George H. Moore .....	Keystone Copper Mine .....	Calaveras .....	30 00
July 22, 1872	Dexter Taft .....	Gem Quicksilver Mine .....	Lake .....	30 00
July 24, 1872	Manuel Ferreras .....	Humbug Creek Fluming Placer Co. ....	Placer .....	30 00
July 24, 1872	A. Brecco .....	Oro and Dardanelles Placer Mine .....	.....do .....	30 00
July 26, 1872	George A. Nourse .....	North Confidence Gold Quartz Mine .....	Tuolumne .....	35 00



## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
July 30, 1872	Keystone Quartz Mining Co	Keystone Gold Quartz Mine	Sierra	\$35 00
July 30, 1872	Joseph Trent	Yellow Jacket Quartz Mine	El Dorado	30 00
July 31, 1872	G. G. Webster	Green Spring Placer Mine	Placer	30 00
July 31, 1872	C. Beekman	Big Spring Gold Placer Mine	do	30 00
July 31, 1872	J. H. Carroll	Coeunnes Copper Mine	Amador	30 00
Aug. 3, 1872	Thomas Fraser	Choleur Quartz Mine	El Dorado	30 00
Aug. 3, 1872	Pellett & Truett	Pellett & Truett Placer Mine	Siskiyou	35 00
Aug. 5, 1872	David P. Marshall	Secret Cañon Quartz Mine	Placer	35 00
Aug. 5, 1872	Church & Blanchard	El Dorado Quartz Mine	El Dorado	35 00
Aug. 5, 1872	L. M. Foulke	Shores Quartz Mine	Siskiyou	35 00
Aug. 7, 1872	George Congdon	Angels Quartz Mine	Calaveras	35 00
Aug. 8, 1872	Dixon & Cooper	Dixon & Cooper Placer Mine	Shasta	40 00
Aug. 8, 1872	Henry F. Williams	Waters Quartz Mine	Tuolumne	30 00
Aug. 9, 1872	Graham & Cecil	Graham & Cecil Placer Mine	Los Angeles	20 00
Aug. 9, 1872	San Gabriel Mining Co.	San Gabriel or Ferguson Placer Mine	do	20 00
Aug. 9, 1872	W. W. Woodman	Woodman Placer Mine	do	20 00
Aug. 10, 1872	Benjamin Ross	Hall & Co. Placer Mine	Amador	35 00
Aug. 12, 1872	R. H. Hughes, J. Smith, et al	Anderson Gulch Placer Mine	Siskiyou	35 00
Aug. 12, 1872	Luke Shaw and J. Jipson	Sucker Flat Placer Mine	do	35 00
Aug. 12, 1872	Luke Shaw	Van Dozer Gulch Placer Mine	do	35 00
Aug. 12, 1872	Smith & Hand	Benton Gulch Placer Mine	do	35 00
Aug. 12, 1872	do	Smith & Hand Placer Mine	do	35 00
Aug. 13, 1872	J. M. Wood, attorney	Cloverdale	Sonoma	30 00
Aug. 13, 1872	T. G. Wright & Co	Wright & Co. Placer Mine	Siskiyou	35 00
Aug. 15, 1873	D. W. Spear	Baker Gold Quartz Mine	Placer	35 00
Aug. 15, 1872	do	Butcher Boy Gold Quartz Mine	do	35 00
Aug. 19, 1872	C. B. Thompson and William Shaw	Coyote Hill Quartz Mine	El Dorado	35 00
Aug. 20, 1872	Edward Bean	Hull Gulch Placer Mine	Siskiyou	35 00
Aug. 21, 1872	James Winstead	Phoenix Quartz Mine	Sierra	35 00
Aug. 21, 1872	Henry Hagar	German Quartz Mine	El Dorado	35 00
Aug. 22, 1872	Swansea Mining Company	Swansea Quartz Mine	do	30 00
Aug. 22, 1872	Bandman, Nielson & Co.	Wet Gulch Quartz and Placer Mine	Calaveras	50 00
Aug. 23, 1872	Thomas Smith	Greenwood Quartz Mine	El Dorado	35 00
Aug. 24, 1872	Luke Shaw et al	Tuttle Gulch Placer Mine	Siskiyou	35 00
Aug. 24, 1872	Timothy Cocoran	Jourdan Gulch Placer Mine	do	35 00
Aug. 24, 1872	D. W. Spear	Green Walter Quartz Mine	Placer	35 00
Aug. 24, 1872	A. E. Schwatka	Brown & Murray Placer Mine	Siskiyou	35 00
Aug. 26, 1872	Dodworth, Wooden, et al	Salsig Gold Quartz Mine, first extension.	Placer	35 00
Aug. 26, 1872	L. S. Taylor	Ada Bell Placer Mine	do	35 00
Aug. 28, 1872	Charles F. Wehn	Deer Creek Gold and Silver Mine	Sierra	35 00
Aug. 28, 1872	Edward F. Taylor	Mammoth Quartz Mine	Amador	35 00
Aug. 30, 1872	Thomas Campbell	Garland Mill Slope Placer Mine	Placer	40 00
Aug. 31, 1872	William Jones	Maryland Quartz Mine	El Dorado	35 00
Aug. 31, 1872	Henry Gutierrez	Pacific Quartz Mine	do	35 00
Sept. 2, 1872	Dibble & Byrne	Marrietta Gold and Silver Quartz Mine	Nevada	35 00
Sept. 2, 1872	do	Sulphuret Gold and Silver Quartz Mine	do	35 00
Sept. 6, 1872	Wisconsin Gold Quartz Mining Company	Wisconsin Gold Quartz Mine	do	35 00
Sept. 9, 1872	Horace D. Ferson	Clear Creek Placer Mine	Butte	35 00
Sept. 9, 1872	Charles Marsh	Eddy Quartz Mine	Nevada	35 00
Sept. 10, 1872	E. Conway	Cherokee Flat Placer Mine	Butte	35 00
Sept. 10, 1872	James W. Pose	James William Fox Placer Mine	Siskiyou	35 00
Sept. 10, 1872	B. F. Richtmeyer	Oak Quartz Mine	Amador	35 00
Sept. 11, 1872	Harvey S. Brown	Oregon Gulch Mountain Placer Mine	Trinity	35 00
Sept. 11, 1872	William Davis	Mammoth Quartz Mine	Tuolumne	35 00
Sept. 12, 1872	William S. Duryea	Chili Gulch Fluming Company's Placer Mine	Calaveras	35 00
Sept. 16, 1872	Hart Fellows	Great Crevice Mine	El Dorado	35 00
Sept. 16, 1872	E. Jacobs	Marfield & Co.'s Placer Mine	Siskiyou	40 00
Sept. 18, 1872	A. D. Ford	Ford Placer Mine	Los Angeles	35 00
Sept. 18, 1872	S. O. Brown	Hudson Mill Site	Calaveras	35 00
Sept. 18, 1872	D. E. Buel	Buel Placer Mine	Los Angeles	35 00
Sept. 18, 1872	Gopher Mining Company	Gopher Quartz Mine	El Dorado	35 00
Sept. 19, 1872	Pennsylvania Mining Co.	Pennsylvania Placer Mine	Nevada	30 00
Sept. 19, 1872	do	Pennsylvania Quartz Mine	do	30 00
Sept. 19, 1872	William Gwynn	Croesus Quartz Mine	Placer	35 00
Sept. 19, 1872	James Morgan	Hardenberg Quartz Mine	Amador	30 00
Sept. 20, 1872	Nevada Mining Company	Nevada Mining Co.'s Placer Mine	Yuba	35 00
Sept. 20, 1872	Osmyn Harkness	Church and Golden Gate Placer Mine	Placer	100 00
Sept. 20, 1872	Washington Mining Co	Washington Lode Quartz Mine	Mariposa	35 00
Sept. 24, 1872	H. H. Brown	Indian Hill Hydraulic Placer Mine	Placer	40 00
Sept. 25, 1872	O. Ball and C. Hanney	Gray Eagle Quartz Mine	Amador	35 00
Sept. 25, 1872	Cronsin Smith	Lady Franklin Gold and Silver Mine	Alpine	35 00
Sept. 26, 1872	E. P. Lovejoy	Tom Bell Placer Mine	Trinity	35 00
Sept. 26, 1872	do	Dannenbrink Placer Mine	do	35 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
Sept. 26, 1872	Jacob Hagar <i>et al.</i>	Hagar & Haas Placer Mine	Trinity	\$35 00
Sept. 26, 1872	Isaac Woodbury <i>et al.</i>	Garden Gulch Placer Mine	do	40 00
Sept. 26, 1872	James Beebe	Griggs's Ranch Placer Mine	El Dorado	35 00
Sept. 26, 1872	R. Hopkins	Plymouth Rock Gold Quartz Mine	Calaveras	35 00
Sept. 28, 1872	H. H. Crittenden	Last Chance Placer Mine	Sierra	40 00
Sept. 30, 1872	Frank Fouchet	Montreal Gravel Mine	Nevada	35 00
Sept. 30, 1872	M. M. Staples	Fort Yuma Gold Quartz Mine	El Dorado	35 00
Sept. 30, 1872	Ophir Gold and Silver Mining and Mill Company.	Ophir Quartz Mine and mill-site	Placer	45 00
Oct. 1, 1872	William Patterson	Patterson Quartz Mine	Tnolunne	35 00
Oct. 1, 1872	E. J. Weston & Co.	Temptato Quartz Mine	Kern	35 00
Oct. 1, 1872	do	Clara Louisa Quartz Mine	do	35 00
Oct. 1, 1872	do	Whale and Padre Jaun Quartz Mine	do	35 00
Oct. 2, 1872	John S. Doe	Doctor Hill Quartz Mine	Calaveras	25 00
Oct. 2, 1872	George A. Nourse	Scott River Placer Mine	Siskiyou	35 00
Oct. 2, 1872	Pelez Bumpus	Bumpus Cañon Placer Mine	Placer	50 00
Oct. 3, 1872	W. F. Griffin	Clary & McCarthy Placer Mine	Trinity	35 00
Oct. 3, 1872	Joseph M. Cavis	Champion Gold, Silver, and C. Mine	Nevada	35 00
Oct. 7, 1872	Charles W. Smith	North Palema Quartz Mine	Calaveras	35 00
Oct. 9, 1872	Chamberlain & Cruser	Chamberlain & Cruser Placer Mine	Yuba	35 00
Oct. 10, 1872	Charles H. Dewey	Hancock & Watson's Quartz Mine	Placer	35 00
Oct. 10, 1872	W. H. Bovee	Bovee Quartz Mine and mill-site	Calaveras	35 00
Oct. 11, 1872	J. Marfield & J. H. Lindsey	Junction Bar Placer Mine	Siskiyou	50 00
Oct. 11, 1872	O. W. Goodale <i>et al.</i>	Goodale & Williams Placer Mine	do	35 00
Oct. 11, 1872	John Hurst <i>et al.</i>	Johnson Hill Placer Mine	do	50 00
Oct. 11, 1872	Jerome Beebe	Michigan Bar Placer Mine	do	50 00
Oct. 12, 1872	W. C. Hendricks	Hendricks & Co.'s Placer Mine	Butte	50 00
Oct. 15, 1872	Charles Nagler & Co.	Railroad Hill Placer Mine	El Dorado	35 00
Oct. 15, 1872	do	Window Hill Quartz Mine	do	35 00
Oct. 16, 1872	J. A. Studevant	Studevant Placer Mine	Trinity	40 00
Oct. 16, 1872	Wolskey & White	Prussian Placer Mine	do	40 00
Oct. 16, 1872	H. C. Wilt	H. C. Wilt Placer Mine	do	35 00
Oct. 16, 1872	O. L. Slack	Bed-Rock Tunnel Placer Mine	do	35 00
Oct. 16, 1872	Sidney Smith	Sidney Smith Placer Mine	do	35 00
Oct. 16, 1872	Charles H. Carr	Vermont Placer Mine	Placer	35 00
Oct. 17, 1872	J. B. Leduc	Leduc Placer Mine	Siskiyou	50 00
Oct. 18, 1872	C. N. Felton <i>et al.</i>	Wheeler Quartz Mine	Amador	40 00
Oct. 21, 1872	D. W. Spear	Pullman Quartz Mine	Nevada	35 00
Oct. 12, 1872	C. M. Bailey	Portuguese Flat Placer Mine	Siskiyou	35 00
Oct. 12, 1872	do	Willow Bar Placer Mine	do	35 00
Oct. 25, 1872	L. B. Ayer	Pennsylvania Quartz Mine	Yuba	35 00
Oct. 26, 1872	J. C. Boyd	Cataract Gravel Mine	Calaveras	35 00
Oct. 26, 1872	do	Wide West Placer Mine	do	35 00
Oct. 26, 1872	John Bergen <i>et al.</i>	Dolly Varden Placer Mine	Trinity	35 00
Oct. 28, 1872	Alexander Moore	Missouri Placer Mine	Placer	35 00
Nov. 1, 1872	A. L. Frost	Big Sandy Quartz Mine	El Dorado	35 00
Nov. 1, 1872	W. D. Fletcher	Summit Placer Mine	Lassen	35 00
Nov. 1, 1872	A. L. Frost	Grey Eagle Quartz Mine	El Dorado	35 00
Nov. 1, 1872	J. H. Coleman	Success Gold Quartz Mine	Calaveras	35 00
Nov. 2, 1872	I. N. Thorn	Trinity Placer Mine	El Dorado	35 00
Nov. 2, 1872	McKeene & Welty	Great Western	Sacramento	35 00
Nov. 4, 1872	Gwin & Coleman	Gwin Quartz Mine	Calaveras	45 00
Nov. 4, 1872	R. C. Downs	Old Pioneer Quartz Mine	Amador	35 00
Nov. 4, 1872	W. C. Lynde	Minnehaha	San L. Obispo	35 00
Nov. 6, 1872	Robert Skinner	San Francisco Company Copper Mine	Nevada	35 00
Nov. 6, 1872	W. H. Coates	Coates Placer Mine	Placer	35 00
Nov. 6, 1872	George D. Dornin	San Juan Union Gravel Mine	Nevada	35 00
Nov. 7, 1872	Richard Doncaster	Red Hill Quartz Mine	El Dorado	35 00
Nov. 8, 1872	L. B. Ayer	Bacon & Co. Placer Mine	Yuba	40 00
Nov. 9, 1872	George G. Webster	Cement Hill Placer Mine	Placer	30 00
Nov. 9, 1872	James Hill	Independent Placer Mine	Butte	35 00
Nov. 13, 1872	John G. Irwin	Mount Morensis Placer Mine	Trinity	35 00
Nov. 13, 1872	Benjamin Wood	Caledonia Quartz Mine	Nevada	50 00
Nov. 14, 1872	G. S. Brown	Brown Brothers Placer Mine	do	35 00
Nov. 15, 1872	Robert Lewis	Bob Lewis Placer Mine	Placer	35 00
Nov. 15, 1872	W. H. Hooper	Phoenix Mill Site	Amador	35 00
Nov. 16, 1872	L. B. Grinder <i>et al.</i>	Grider & Co. Placer Mine	Del Norte	35 00
Nov. 16, 1872	J. M. Buffington	Chalk Mountain Blue Gravel Mine	Nevada	50 00
Nov. 18, 1872	James Morgan	Mahoney Quartz Mine	Amador	50 00
Nov. 18, 1872	Niles Searis	Central Placer Mine	Nevada	35 00
Nov. 18, 1872	do	Horace Kelham Placer Mine	do	35 00
Nov. 18, 1872	do	Enterprise Placer Mine	do	35 00
Nov. 20, 1872	Charles Peters	Good Hope Quartz Mine	Amador	35 00
Nov. 23, 1872	S. A. Bishop	Diamond Mountain Gravel Mine	Lassen	35 00
Nov. 25, 1872	Albert Doolittle	Happy Camp Placer Mine	Del Norte	35 00
Nov. 25, 1872	Thomas Frazer	Isabella Quartz Mine	El Dorado	45 00
Nov. 25, 1872	M. Hazlett	Empire Quartz Mine	Placer	35 00
Nov. 25, 1872	P. T. Nougés	Sally Jones Quartz Mine	do	35 00
Nov. 25, 1872	William J. Gunn	Wyoming Quartz Mine	Nevada	35 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
Nov. 26, 1872	Mrs Mary E. McDaniel	McDaniel Placer Mine	Placer	\$35 00
Nov. 26, 1872	R. T. Carroll	Hazard Placer Mine	do	40 00
Nov. 26, 1872	James M. Thompson	Key Quartz Mine	Plumas	35 00
Nov. 27, 1872	O. G. Spaulding	Oro Placer Mine	Placer	35 00
Nov. 27, 1872	William Cameron	Cameron Placer Mine	do	35 00
Nov. 27, 1872	C. B. Strong	Oak Hill Copper Mine	Amador	35 00
Nov. 29, 1872	T. Thomas Frazer	Shepard Quartz Mine	El Dorado	35 00
Dec. 2, 1872	Richard Brown	Weed's Point Placer Mine	Yuba	49 75
Dec. 3, 1872	George D. McLean	Walloupa Placer Mine	Nevada	50 00
Dec. 3, 1872	do	You Bet Placer Mine	do	50 00
Dec. 3, 1872	do	Red Dog Placer Mine	do	45 00
Dec. 3, 1872	do	Nesce & West and Brown's Hill Placer Mine	do	45 00
Dec. 4, 1872	J. A. Black	Buena Vista Quartz Mine	Calaveras	35 00
Dec. 6, 1872	W. H. Hooper	Phoenix East Quartz Mine	Amador	35 00
Dec. 7, 1872	A. C. Bowen	Bowen Placer Mine	Placer	40 00
Dec. 7, 1872	Walter Willey	Willey Placer Mine	do	40 00
Dec. 7, 1872	Michael McBride	Clydesdale Placer Mine	do	40 00
Dec. 9, 1872	James Malone	Malone Consolidated Placer Mine	Nevada	40 00
Dec. 10, 1872	P. J. Hopper	American Copper Mine	El Dorado	40 00
Dec. 14, 1872	E. W. Roberts	Bradger Hill Quartz Mine	Nevada	40 00
Dec. 17, 1872	G. Crumpton & Co	Crumpton Placer Mine	Del Norte	50 00
Dec. 19, 1872	John J. Schmitt, Jr	Schmitt Quartz Mine	Nevada	35 00
Dec. 19, 1872	W. H. Knight	Happy Camp Hydraulic Placer Mine and mill-site	Del Norte	50 00
Dec. 21, 1872	C. L. Street	Uncle Sam Quartz Mine	Tuolumne	30 00
Dec. 21, 1872	Jeremiah Lane & Co	Creek Quartz Mine	Del Norte	50 00
Dec. 23, 1872	William Mill	Starr United Placer Mine	Placer	50 00
Dec. 26, 1872	John Muthler	Franklin Placer Mine	do	40 00
Dec. 27, 1872	James McLaughlin	Keystone Consolidated Placer Mine	Lassen	100 00
Dec. 27, 1872	John Walker	Pine Nut Quartz Mine	Tuolumne	40 00
Dec. 30, 1872	T. J. & H. O. Jones	Williams Point Placer Mine	Del Norte	50 00
Dec. 30, 1872	W. A. Dalton	Neverts Placer Mine	Los Angeles	40 00
Jan. 2, 1873	M. J. Cushman	Nellie E. Dent Gold Quartz Mine	Kern	40 00
Jan. 2, 1873	John Driscoll	Sniktam Placer Mine	Nevada	45 00
Jan. 3, 1873	Nashville Quartz Mining Company	Nashville Placer Mine	El Dorado	40 00
Jan. 6, 1873	E. R. Burke	Sumner Gold and Silver Quartz Mine	Kern	40 00
Jan. 6, 1873	do	Big Blue Lead, Gold, and Silver Quartz Mine	do	40 00
Jan. 6, 1873	William Seville	Union Copper Mine	Del Norte	40 00
Jan. 8, 1873	T. Heydliff	Washington Placer Mine	Nevada	40 00
Jan. 10, 1873	Mark T. Ashbey	Fremont Quartz Mine	Amador	40 00
Jan. 13, 1873	B. Huysink	Emigrant Placer Mine	Nevada	40 00
Jan. 14, 1873	Thomas Fraser	Yellow Jacket Gold Quartz Mine	El Dorado	35 00
Jan. 14, 1873	Sigmund Stienhart	Hubbard McAdams Quartz Mine	Amador	40 00
Jan. 14, 1873	Samuel H. Sheplar	Hardscrabble Placer Mine	El Dorado	35 00
Jan. 16, 1873	John G. Irwin	Jones Placer Mine	Trinity	45 00
Jan. 17, 1873	Hans Brothers	Bonney Placer Mine	Calaveras	40 00
Jan. 17, 1873	do	Bowling Green Placer Mine	do	40 00
Jan. 18, 1873	Anglo-Saxon Mining Company	Anglo-Saxon Quartz Mine	do	35 00
Jan. 20, 1873	Bandman, Neilson & Co	Dillon Quartz Mine	Nevada	40 00
Jan. 23, 1873	John F. Caldwell et al	Gaston Ridge Quartz Mine	do	35 00
Jan. 23, 1873	William Horner	Morning Star Placer Mine	Placer	40 00
Jan. 24, 1873	E. J. Coleman	Gwin Quartz Mine (resurvey)	Calaveras	35 00
Jan. 24, 1873	Osmyn Harkness	Church and Golden Gate Placer Mine, (resurvey.)	Placer	100 00
Jan. 24, 1873	Joshua Cozzens	Gail Placer Mine	do	40 00
Jan. 24, 1873	Bella Union Quicksilver Mining Company	Bella Union Quicksilver Mine	Napa	35 00
Jan. 25, 1873	A. J. Ridge	Homeward Bound Quartz Mine	Nevada	40 00
Jan. 25, 1873	M. Emery	Mount Pleasant Placer Mine	Sierra	35 00
Jan. 25, 1873	John S. Mansen	Sweeney Quartz Mine	Tuolumne	40 00
Jan. 27, 1873	B. F. Hawes	Campo Seco Copper Mine	Calaveras	40 00
Jan. 27, 1873	H. T. Holmes	Conrad Quartz Mine	Placer	40 00
Jan. 28, 1873	Comet Quartz Mine	Comet Quartz Mine	Amador	35 00
Jan. 29, 1873	J. C. Bateman	Guadalupe Gold Quartz Mine	El Dorado	40 00
Jan. 29, 1873	William Magee	John W. Orr Placer Mine	Shasta	40 00
Jan. 30, 1873	do	do	do	10 00
Jan. 30, 1873	E. J. Weston	Summit Quartz Mine	Kern	40 00
Jan. 31, 1873	Otis Ferrin	Cranberry Quartz Mine	Mariposa	40 00
Jan. 31, 1873	do	Mack Quartz Mine	Tuolumne	40 00
Jan. 31, 1873	do	Rutherford Quartz Mine and mill-site	Mariposa	40 00
Feb. 1, 1873	Otto Walther	Mount Vernon Quicksilver Mine	Sonoma	40 00
Feb. 1, 1873	Rufus Bean	Bean Boys Placer Mine	Yuba	30 00
Feb. 3, 1873	E. A. Emerson	Bee Hive Quartz Mine	do	40 00
Feb. 5, 1873	Frank Swift	Old Providence	Lassen	40 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
Feb. 5, 1873	Ignatz Steinhart.....	New Albany Quartz Mine.....	Tuolumne..	\$40 00
Feb. 5, 1873	Hayden Hill Mining Co..	Hayden Hill Mining Company....	Lassen.....	100 00
Feb. 5, 1873	Providence Gold and Silver Mining Company.	Old Providence Gold and Silver Mining Company.	...do.....	50 00
Feb. 7, 1873	George Crumpton.....	Elk Creek and Know Nothing Bar Placer Mine.	Del Norte..	40 00
Feb. 7, 1873	James Camp.....	Classic Hill Placer Mine.....	...do.....	45 00
Feb. 8, 1873	John G. Irwin.....	Tipperary Placer Mine.....	Trinity.....	40 00
Feb. 8, 1873	James McClure.....	Union Company's Placer Mine....	Placer.....	40 00
Feb. 8, 1873	H. R. Symends.....	Holcomb Valley Placer Mine.....	San Bernardino.	40 00
Feb. 10, 1873	J. A. and D. R. Evans.....	Evans Placer Mine.....	Del Norte..	40 00
Feb. 11, 1873	J. C. Bateman.....	Saint Laurence No. 2 Quartz Mine	El Dorado..	40 00
Feb. 11, 1873	H. P. McNevin.....	North Saint Laurence Quartz Mine	...do.....	40 00
Feb. 14, 1873	D. Beadle.....	Roberts & Co.'s Placer Mine....	Yuba.....	30 00
Feb. 17, 1873	San Felipe Silver Mining Company.	San Felipe Gold and Silver Mine..	Inyo.....	40 00
Feb. 17, 1873	Andrew Jackson.....	Buckeye Bar Placer Mine.....	Siskiyou...	35 00
Feb. 17, 1873	Louis Voss.....	Mount Oro Placer Mine.....	Nevada.....	50 00
Feb. 17, 1873	Jos. Zeigler & Co.....	Atlantic Quartz Mine.....	El Dorado..	40 00
Feb. 18, 1873	C. L. Street.....	Valparaiso Quartz Mine.....	Tuolumne..	35 00
Feb. 19, 1873	W. S. Lowden.....	Oregon Gulch Placer Mine.....	Trinity.....	43 00
Feb. 19, 1873	J. W. Bennett.....	North Lincoln Quartz Mine.....	Amador.....	35 00
Feb. 24, 1873	M. R. Thomas.....	Thomas Placer Mine.....	Del Norte..	50 00
Feb. 24, 1873	J. A. Eagan.....	Golden Eagle Quartz Mine.....	Amador.....	40 00
Feb. 24, 1873	Wm. B. Reeve & Co.....	Reeve & Co. Placer Mine.....	Del Norte..	50 00
Feb. 24, 1873	J. W. Tuttle & Co.....	Tuttle & Co. Placer Mine.....	...do.....	50 00
Feb. 25, 1873	R. Clifford.....	Wheaton Placer Mine.....	Trinity.....	40 00
Feb. 25, 1873	J. M. Case.....	Boushey Silver Mine.....	Inyo.....	40 00
Feb. 26, 1873	Arthur W. Keddie.....	Spring Garden Placer Mine.....	Plumas.....	40 00
Feb. 21, 1873	Pioneer Gold and Silver Mining Company.	Pioneer Placer Mine.....	Sierra.....	35 00
Feb. 24, 1873	William Higgins.....	Crystal Quartz Mine.....	Mariposa..	40 00
Feb. 27, 1873	G. M. Adams.....	Griffith & Bryant Quartz Mine...	El Dorado..	40 00
Feb. 27, 1873	J. N. Webster.....	Cederbergh First Southerly Extension Quartz Mine.	...do.....	40 00
Feb. 28, 1873	W. R. Boucher.....	Williams & Hughes Placer Mine..	Calaveras..	40 00
Mar. 3, 1873	James K. Byrne.....	Union Hill Quartz Mine.....	Nevada.....	40 00
Mar. 3, 1873	P. McGrath and R. Ryan.	Herrick Placer Mine.....	Trinity.....	45 00
Mar. 3, 1873	E. Lovejoy.....	Sheridan Placer Mine.....	...do.....	45 00
Mar. 5, 1873	J. F. Vandiver.....	Sumpter Placer Mine.....	Placer.....	40 00
Mar. 6, 1873	F. P. F. Temple.....	Temple Quartz Mine and mill-site.	Inyo.....	50 00
Mar. 6, 1873	S. Boushey.....	Gem of the Desert Silver Mine...	...do.....	50 00
Mar. 7, 1873	Christian Weisel.....	Last Chance Quartz Mine.....	El Dorado..	40 00
Mar. 8, 1873	Dibble & Byrne.....	North Star Quartz Mine.....	Nevada.....	40 00
Mar. 11, 1873	M. W. Belshaw.....	Union Quartz Mine.....	Inyo.....	40 00
Mar. 11, 1873	do.....	San Felipe Gold and Silver Mine..	...do.....	40 00
Mar. 13, 1873	John S. Stidger.....	Bunker Hill Placer Mine.....	Nevada.....	40 00
Mar. 14, 1873	Kohls & Weakley.....	Kohls Field Placer Mine.....	Siskiyou...	35 00
Mar. 14, 1873	J. G. McCallum.....	Tong Gold Quartz Mine.....	El Dorado..	35 00
Mar. 19, 1873	John Walter.....	Mouth of Humbug Placer Mine...	Siskiyou...	35 00
Mar. 21, 1873	J. M. Haven.....	Helen Quicksilver Mine.....	Lake.....	40 00
Mar. 26, 1873	Edward N. Hooper.....	Soulsby Quartz Mine and mill-site	Tuolumne..	40 00
Mar. 26, 1873	E. G. Spencer.....	Reconstruction Placer Mine.....	Placer.....	40 00
Mar. 27, 1873	Henry W. Tuttle.....	Tuttle & Hughes Placer Mine...	Del Norte..	50 00
Mar. 27, 1873	A. M. Mitchell.....	Alameda Quartz Mine.....	Tuolumne..	40 00
Mar. 28, 1873	E. McMichael.....	Cerro Bonito No. 1 Quicksilver Mine and mill-site.	Fresno.....	40 00
Mar. 28, 1873	James Sargent.....	Cerro Bonito No. 2 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	L. Bixby.....	Cerro Bonito No. 3 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	Benjamin Flint.....	Cerro Bonito No. 4 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	Jesse D. Carr.....	Cerro Bonito No. 5 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	R. G. Morton.....	Cerro Bonito No. 6 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	Milton Little.....	Cerro Bonito No. 7 Quicksilver Mine and mill-site.	...do.....	40 00
Mar. 28, 1873	Thomas Flint.....	Cerro Bonito No. 8 Quicksilver Mine and mill-site.	...do.....	40 00
Apr. 1, 1873	Duryea & Rose.....	Duryea & Rose Placer Mine.....	Nevada.....	60 00
Apr. 3, 1873	S. L. Irish.....	Irish & Byrne Placer Mine.....	Placer.....	50 00
Apr. 4, 1873	N. W. Chittenden.....	Carson Gold Quartz Mine.....	Calaveras..	40 00
Apr. 4, 1873	W. H. Knight.....	Ambrose Placer Mine.....	Del Norte..	50 00
Apr. 4, 1873	do.....	Muc-a-muc Placer Mine.....	...do.....	50 00
Apr. 10, 1873	A. P. Haskins.....	Hatchet Creek Placer Mine.....	Trinity.....	44 40
Apr. 10, 1873	Peter Fagan.....	Mechanics' Quartz Mine.....	Amador.....	40 00
Apr. 11, 1873	R. M. Haydock.....	Rawhide Placer Mine.....	Tuolumne..	40 00
Apr. 11, 1873	J. W. Gashnier.....	Shanghai Quartz Mine.....	...do.....	40 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	County.	Amount.
Apr. 11, 1873	J. W. Gashnier.....	Rawhide No. 2 Quartz Mine and mill-site.	Tuolumne ..	\$40 00
Apr. 14, 1873	Beveridge & Hunter.....	Belmont Silver Quartz Mine .....	Inyo.....	40 00
Apr. 14, 1873	J. R. Hughes.....	Wiltkint Silver Quartz Mine.....	..do.....	40 00
Apr. 15, 1873	Mirtin Cuddehy.....	Haley Placer Mine.....	Del Norte.....	50 00
Apr. 15, 1873	W. H. Knight.....	Bunker Hill Placer Mine.....	..do.....	50 00
Apr. 15, 1873	.....do.....	Happy Camp Hydraulic Placer Mine.	..do.....	50 00
Apr. 16, 1873	James Collins.....	Black Ledge Quartz Mine.....	Placer.....	40 00
Apr. 17, 1873	James Stevenson.....	Lone Star Quartz Mine.....	Calaveras.....	40 00
Apr. 18, 1873	James Quinn.....	George Simmond Placer Mine.....	Siskiyou.....	40 00
Apr. 18, 1873	George Simmons.....	Burgess Ranch Placer Mine.....	..do.....	40 00
Apr. 18, 1873	Ira Halstead.....	Halstead Mill-Site.....	Amador.....	43 00
Apr. 19, 1873	Dibble & Byrne.....	Cañon Creek Quartz Mine.....	Nevada.....	40 00
Apr. 19, 1873	J. M. Montgomery.....	Empire Placer Mine.....	Lassen.....	50 00
Apr. 19, 1873	William Irwine.....	Morgan Quartz Mine and mill-site.	Calaveras.....	50 00
Apr. 19, 1873	Maurice Dore.....	Shawmut Quartz Mine and mill-site.	Tuolumne ..	50 00
Apr. 19, 1873	Dibble & Byrne.....	Alaska Quartz Mine.....	Nevada.....	40 00
Apr. 21, 1873	J. E. Edwards.....	Cosmopolitan Copper Mine.....	Plumas.....	40 00
Apr. 23, 1873	W. Hamilton.....	Wet Gulch and Chaparral Quartz Mine and mill-site.	Calaveras.....	40 00
Apr. 23, 1873	Henry C. Austin.....	Baker & Austin Placer Mine.....	Los Angeles	35 00
Apr. 23, 1873	Joseph McGillerray.....	McGillerray Placer Mine.....	Trinity.....	50 00
Apr. 29, 1873	W. H. Wood.....	Fort Goff Placer Mine.....	Siskiyou.....	50 00
Apr. 29, 1873	Baily & Wood.....	Masonic Bar Placer Mine.....	..do.....	50 00
May 1, 1873	R. B. Thomas.....	Golden Eagle Placer Mine.....	Mariposa.....	45 00
May 2, 1873	J. J. Carrigan.....	Porter Gold and Silver Mine.....	Butte.....	40 00
May 2, 1873	C. Spengler <i>et al.</i> .....	Humburg Placer Mine.....	Siskiyou.....	40 00
May 3, 1873	C. Helmer Turner.....	Hartford Quartz Mine.....	Amador.....	40 00
May 3, 1873	J. J. Smith.....	Alabama Gold Quartz Mine.....	Placer.....	40 00
May 5, 1873	Humphrey Rees.....	Rees Quartz Mine.....	Amador.....	40 00
May 6, 1873	Hosmer & Lewis.....	Lehigh Placer Mine.....	Placer.....	40 00
May 6, 1873	Hugh Logan.....	Shady Creek Placer Mine.....	Nevada.....	45 00
May 9, 1873	A. J. Ridge.....	Spring Hill East Extension Quartz Mine.	..do.....	40 00
May 12, 1873	George Wood.....	George Wood Placer Mine.....	Del Norte.....	50 00
May 13, 1873	Celeb T. Fay.....	Sierra Iron Mine.....	Sierra and Plumas.	100 00
May 13, 1873	L. P. & J. B. Smith.....	Smith & Co. Placer Mine.....	Del Norte.....	50 00
May 13, 1873	George H. Atkins.....	Atkens & Taylor Placer Mine.....	Nevada.....	45 00
May 13, 1873	Peyton Powell.....	United States Quartz Mine.....	Placer.....	40 00
May 14, 1873	C. H. Hawkins.....	Bird's Eye Cañon Placer Mine.....	Nevada.....	50 00
May 14, 1873	The Rathget Quartz Mining Company.	Rathget Quartz Mine.....	Calaveras.....	40 00
May 15, 1873	Elbert Barrett.....	Blue Bar Placer Mine.....	Del Norte ..	45 00
May 17, 1873	George F. McPherson.....	Piety Hill Placer Mine.....	Shasta.....	80 00
May 19, 1873	W. A. Dalton.....	Noverto Placer Mine.....	Los Angeles.	20 00
May 19, 1873	Obadiah Rood.....	Rood & Co. Placer Mine.....	Klamath.....	50 00
May 19, 1873	H. B. Heffenden <i>et al.</i> .....	Pilot Company No. 1 Placer Mine.	Sierra.....	35 00
May 19, 1873	S. H. Sheplar.....	Golden Sun Quartz Mine.....	Butte.....	40 00
May 22, 1873	John G. Irwin.....	Osborn Placer Mine.....	Trinity.....	40 00
May 22, 1873	R. A. Fry.....	Jones's Flat Placer Mine.....	Mariposa.....	45 00
May 26, 1873	H. H. Brown.....	North Star Placer Mine.....	Placer.....	45 00
May 27, 1873	Alta California Copper Mining Company.	Alta California Copper Mine.....	Del Norte.....	40 00
May 27, 1873	R. F. Knox.....	Porphyry Quicksilver Mine.....	Lake.....	40 00
June 2, 1873	S. A. Walker and W. S. Church.	Church Union Quartz Mine.....	El Dorado ..	40 00
June 2, 1873	J. G. Aden.....	New London Quartz Mine.....	Amador.....	40 00
June 4, 1873	Adolph Weske.....	Weske No. 2 Placer Mine.....	Placer.....	40 00
June 5, 1873	George C. Perkins.....	Green Mountain Quartz Mine and mill-site.	Plumas.....	40 00
June 7, 1873	W. W. Woodman.....	Justice Placer Mine.....	Los Angeles.	40 00
June 9, 1873	} W. B. Stoddard.....	Stoddard Placer Mine.....	Trinity.....	40 00
June 12, 1873				
June 26, 1873				
June 11, 1873	R. & J. H. Haskin.....	Miami Placer Mine.....	Placer.....	40 00
June 11, 1873	A. J. Doolittle.....	Liberty Hill Placer Mine.....	Nevada.....	40 00
June 13, 1873	Charles H. Wyman.....	"S'ther" Placer Mine.....	El Dorado ..	40 00
June 25, 1873	Golden Sun Mining Company.	Golden Sun Quartz Mine.....	Butte.....	35 00
June 26, 1873	J. P. Fairchild.....	Butcher Flat Placer Mine.....	Klamath.....	50 00
June 30, 1873	Charles Marsh.....	King Placer Mine.....	Nevada.....	40 00
June 30, 1873	do.....	Chicken Point Placer Mine.....	..do.....	40 00
June 30, 1873	do.....	Smith-Powell Placer Mine.....	..do.....	40 00
Jan. 14, 1873	M. A. Ferguson.....	Ferguson Placer Mine.....	Del Norte.....	50 00
Apr. 11, 1873	R. M. Haydock.....	Paducah Placer Mine.....	Tuolumne ..	40 00
	Total			14,747 15

RECAPITULATION.

Amount deposited for office-work on public-land surveys.....	\$4,014 00
Amount deposited for office-work on mining surveys.....	14,747 15
Total amount deposited during the year .....	18,762 05

J. R. HARDENBERGH,  
*United States Surveyor-General for California.*

P.—Statement of account of special deposits for office-work in the office of the United States surveyor-general for California during the fiscal year 1872-73.

			1872. July 1		
	To amount deposit of A. W. McPherson, withdrawn, (see Commissioner's letter Aug. 14, 1873) .....	\$50 00		By balance on hand.....	\$3,990 11
	To amount deposit by Benjamin Wood, withdrawn, (see Commissioner's letter Aug. 14, 1873) .....	50 00		By amount deposited on account of public-land surveys, as per Exhibit O No. 1, during the fiscal year 1872-73 .....	4,014 90
Sept. 30	To amount drawn by mining-clerks and draughtsmen, first quarter .....	3,227 72		By amount deposited on account of mining surveys, as per Exhibit O No. 2, during the fiscal year 1872-73 .....	14,747 15
Dec. 31	To amount drawn by mining-clerks and draughtsmen, second quarter .....	3,307 61			
Mar. 31	To amount drawn by mining-clerks and draughtsmen, third quarter .....	3,653 89			
June 30	To amount drawn by mining-clerks and draughtsmen, fourth quarter.....	2,596 70			
1873. July 1	Balance on hand .....	9,866 24			
		22,752 16			22,752 16

J. R. HARDENBERGH,  
*United States Surveyor-General for California..*

Q.—Estimate for the surveying service in the district of California for the fiscal year ending June 30, 1875.

For surveying extensions of meridians, standard parallels, township exteriors, and subdivision lines .....	\$100,000 00
For rent of office, stationery, fuel, wages of messenger, draughting instruments, and other incidentals.....	8,000 00
For compensation of surveyor-general.....	3,000 00
For compensation of clerks and draughtsmen in the office of the surveyor-general .....	26,000 00
Total .....	137,000 00

J. R. HARDENBERGH,  
*United States Surveyor-General for California.*

O.—Report of the surveyor-general of Oregon.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Eugene City, Oreg., July 15, 1873.*

SIR: I herewith transmit the following tabular statements in duplicate, showing the business of this office for the fiscal year ending June 30, 1873, together with a diagram map of this surveying district, also three diagram maps of the mining districts in which mineral claims have been surveyed, not within the public surveys.

A.—Shows surveying contracts acted upon during the fiscal year ending June 30, 1873.

B.—Shows statement of original plats of public surveys and copies transmitted since June 30, 1872.

C.—Townships surveyed since June 30, 1872, with area of public lands.

D.—Salaries paid surveyor-general and clerks for the fiscal year ending June 30, 1873.

E.—Statement showing the amount and condition of special deposits made for surveys of public lands in Oregon for fiscal year ending June 30, 1873.

F.—Estimate for surveying and office expenses for the fiscal year ending June 30, 1875.

G.—Whole number of mining-claims surveyed and approved in Oregon up to June 30, 1873.

H.—Statement of incidental expenses for the fiscal year ending June 30, 1873.

Upon a comparative examination of the diagram map for the fiscal year ending June 30, 1873, with the map for the year ending June 30, 1872, it will be seen that the work in the field has been carefully distributed over the State so as to meet the wants of settlers upon unsurveyed lands to the extent of the means placed at my disposal; very much, however, remains to be done.

The estimate for surveying and office expense for the fiscal year ending June 30, 1875, marked F, herewith transmitted, is based upon a careful examination of the wants of the settlers already upon unsurveyed lands and the demands of the companies holding lands under the grants made by Congress for rail and wagon road purposes. These companies are very clamorous for the extension of the public surveys within the limits of their respective grants. These companies claim that, in consideration of the vested rights passed by the act of Congress, they have expended a large amount of money and accomplished the objects for which the grants were made, and that justice now requires the survey of these lands so as to make them available. Delay in the extension of these surveys works a double injury, first, in withholding the possession of acquired rights, while the interest on money expended is fast accumulating and will soon exceed in amount the returns to be realized from the sale of the lands; second, in retarding settlements. Settlers are unwilling to go upon lands within the supposed limits of these grants on account of the unsettled question of rights. A great majority of the pioneers of the country are men of very limited means, who desire to avail themselves of the benefit of the homestead law. This cannot be done until the lands are surveyed. It is true that many persons desirous of taking homesteads go upon unsurveyed lands expecting to receive the benefit of the homestead law whenever the surveys are extended. This they can do with safety where the land does not fall within the limit of any of these grants, but when the land does fall within the grant, the chances are even that their home will fall upon an odd-numbered section, making it necessary for them to abandon their home and all their improvements to the company holding the grant, or pay such a price as the company may fix, thus working a great hardship to the settlers.

Settlements have been made for years in some isolated places in advance of the surveys. This is especially true of that portion of Oregon west of the Cascade Mountains. Along the margin of most of the streams, far up in the mountains, are found valuable lands, valuable for timber and agriculture; while the adjoining hill-sides and mountains are densely covered with the finest of timber. These lands, though rugged and formerly thought to be wholly unfit for settlement, are now being settled, and will in time prove to be very valuable. I deem it advisable, in view of these facts, to make as few fractional townships as practicable in the survey of these timbered lands. To carry out this policy, (which I deem important,) it becomes necessary to survey considerable territory to accommodate at present comparatively few settlers.

In the matter of the items for clerk-hire the estimates are placed at the lowest amount possible to provide for keeping up the work in the office. Without instituting a comparative showing between this and other offices of the amount of work necessary to be done, I have to say that in order that the work of the office may keep up with the field-work and that the work may receive that care and finish necessary in the preparation of such important records, this estimate I deem not unreasonable. In this connection I would respectfully ask that an appropriation of the following amounts be made to meet deficiencies in the appropriation for clerk-hire in this office:

To M. Wilkins, transcribing clerk, at the rate of \$1,200 per annum.....	\$500 00
To A. S. McClure, transcribing clerk, at the rate of \$1,200 per annum.....	100 00
To W. R. L. Walker, transcribing clerk, at the rate of \$1,200 per annum.....	150 00
To W. J. Shipley, transcribing clerk, at the rate of \$1,200 per annum.....	200 00

In each of the above-named items the services have been rendered, and the amounts are justly due. The services for the amount of \$500 due M. Wilkins and the \$100 due A. S. McClure were performed during the fiscal year ending June 30, 1872, and the services for the amounts \$150 due W. R. L. Walker and \$200 due W. J. Shipley were performed during the fiscal year ending June 30, 1873. Vouchers can be made out showing the dates and services rendered at the proper time in each case.

I would further recommend that some provision be made for the better preservation of the records of this office. The original field-notes on file in this office should be either carefully copied into substantial record-books, or else securely bound in substantial binding. This is especially true of the field-notes of the survey of donation claims. These are written upon loose leaves, often without uniformity in size, generally with poor ink. These records are the most important to the people of Oregon. It is very often necessary to refer to them in contested cases, and for the use of claimants who wish to have their lines retraced and more fully marked. As the lands become more valuable the necessity for retracing lines will increase and the call for copies of original field-notes will be more frequent, and the necessity for a ready reference

and correct preservation will be more apparent. I would therefore recommend an appropriation of \$1,200 for this purpose. In my judgment the better plan would be to copy the notes into substantial record-books, and then file away the originals, after carefully comparing them with the transcript, in a manner best calculated to preserve them. The mining interests of the State are comparatively undeveloped. While it is true that the excitement consequent upon the discovery of new mines has become almost a thing of the past, and the prospectors' reports of fabulous deposits no longer disturb the quiet of our people, yet the gold and silver mines are yielding liberal returns to the industrious miner. Tabular statement marked G shows the progress made up to the close of the fiscal year toward securing titles to mining-claims. Under the liberal construction now given to the laws relative to mineral lands, as set forth in your circular letter bearing date July 15, 1873, a new impetus will be given to business in this department. No work has been done within the last fiscal year in the way of building railroads in this State. The Oregon and California Railroad and the Oregon Central Railroad are both in good condition, and doing a fair business; the former extending from Portland to Roseburg, in Douglas County, and the latter from Portland to Saint Joe, in Yamhill County. Substantial locks for the passage of boats around the falls of the Willamette have been completed during the last year, thus greatly facilitating the navigation of that river. The necessary steps have been taken and the work commenced toward building a State-house and State university, the former at Salem, the capital of the State, the latter at Eugene City, in Lane County, both to be substantial buildings, quite creditable to the State.

During the early part of the last fiscal year there was filed in this office, under different dates, by the State authorities, lists of lands amounting to 262,141 acres, claimed by the State as swamp and overflowed lands, under the act of Congress approved March 12, 1860, entitled "An act to extend the provisions of 'An act to enable the State of Arkansas and other States to reclaim the swamp-lands within their limits' to Minnesota and Oregon, and for other purposes." These lists, after first giving the State a hearing in behalf of the claim, I carefully compared with the original field-notes and approved township-plats on file in this office. The result and conclusions of my findings were sent to your Office under date of March 15, 1873. In this examination I found, according to my best judgment, the State entitled under the law to 11,082.83 acres. The governor of the State, under date of April 2, 1873, sent to this office notice of an appeal from the decision rendered in this office, "or so much thereof as is in conflict with the rights of the State of Oregon in the matter of the claim of said State of Oregon to all the swamp and overflowed lands within the limits of said State, to the honorable Commissioner of the General Land-Office." Under date of April 11 there was transmitted to this office by the governor of the State "a list of swamp and overflowed land selected in Jackson County, Oregon, embracing an area of 15,264.79 acres, approved by the proper State authorities as inuring to the State of Oregon under the provisions of Congress approved March 12, 1860."

Under date of May 10 this office was notified by the governor of the State that the board of school land commissioners will at the earliest date procure and file in this office full and satisfactory evidence that the lands claimed as swamp and overflowed under act of March 12, 1860, as specified in list filed in this office April 5, 1873, are of the character therein set forth. No further action has been taken in the matter.

I have but little to add to former reports relative to the resources of the State. The trade in coal, lumber, and fish, is gradually increasing. Our salmon-fisheries are not excelled in any part of the United States. Canned and pickled salmon are now being shipped to every part of the civilized world.

Iron-ore is found here in many different localities. At Oswego, six miles above Portland, on the left bank of the Willamette, smelting-works have been erected at considerable expense, and sufficient progress made to establish the fact that the ore is of a very superior quality, and will pay well to work. This interest, I think, gives promise of great value at no very distant day. Extensive limestone quarries have been opened within the last year in Douglas County, within a few miles of the Oregon and California Railroad, which will save many thousand dollars to our State.

The wool product of this State is fast growing in importance. The extensive grass plains of Eastern Oregon are rapidly being settled upon by sheep-raisers; the quality and quantity of wool grown upon sheep of the same grade is not surpassed in any part of the United States. The present harvest gives promise of being the best ever gathered in the State. With an increased yield and a greater acreage, we will have a much larger surplus for shipment than ever before, which, at a fair price, will relieve the pressure of hard times heretofore so generally complained of. All these, with peace and the enjoyment of general good health, are sufficient causes for thankfulness and general contentment.

Very respectfully, your obedient servant,

W. H. ODELL,  
*Surveyor-General, Oregon.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office, Washington, D. C.*



REPORT OF THE COMMISSIONER OF

A.—Surveying contracts acted upon during the fiscal year ending June 30, 1873.

Contract No.	Contract Date	Contractor	Location and description of work.	Estimated amount surveyed.				Gross amount.	Remarks
				Interior on standards.	Standard parallels.	Extérieurs.	Subdivisions.		
153	May 24, 1871	W. E. Smith	Standard parallel between townships 4 and 5 northwest, through ranges 4, 5, 6, 7, and 8; extérieurs and subdivisions townships 2 and 4 north, range 4 west; subdivisions township 4 north, range 3 west.	M. ch. lk. .....	M. ch. lk. 27 00 00	M. ch. lk. 36 08 45	M. ch. lk. 195 24 31	84, 119 11	Account paid.
163	Sept. 7, 1871	George Mercier	Extérieurs and subdivisions of township 34 townships 36 and 35 south, range 7 east; subdivisions township 35 south, range 7 east; also, to subdivide into twenty-acre lots so much of said township as may be ordered in writing by the superintendent of Indian affairs for the State of Oregon or the local agent upon the Klamath Indian reservation.	.....	.....	22 43 00	245 33 44	2, 724 50	Contract closed; account paid.
164	Sept. 7, 1871	T. E. Handley	The north and south boundary of the Warm Springs Indian reservation or so much thereof as may be ordered in writing by the agent upon the reservation; also, the extérieurs and subdivisions of such townships as may be ordered in writing by said agent; also, subdivide into twenty-acre lots such sections as may be ordered in writing by said agent.	Reservat'n boundary.	31 00 00	65 05 93	205 11 29	3, 000 00	Contract closed; account paid.
166	Jan. 10, 1873	John W. Meldrum	Extend the first standard parallel southwest to the Pacific Ocean, connecting at the southwest corner of township 5 south, range 8 west; also, survey the extérieurs and subdivisions of such townships and fractional townships, together with the subdivisions, into twenty-acre lots of such sections and parts of sections upon the Nesineux and Salmon Rivers, upon the Coast Indian reservation, as may be designated by the superintendent of Indian affairs for the State of Oregon or by the agent upon the Grand Ronde Indian reservation; also, to survey the north boundary of the Coast Indian reservation.	4 00 00 Indian reservation boundary.	17 49 75	22 34 45	196 46 86	3, 633 45	Contract closed; account paid.

167	June 15, 1872	George Mercer.....	Subdivide into twenty-acre lots such sections and parts of sections in township 36 south, ranges 10, 11, and 12 east, as may be designated in writing by the superintendent of Indian affairs for the State of Oregon or the agent upon the Klamath Indian reservation.	.....	201 50 29	2, 000 00	Contract closed; account paid.
168	July 10, 1872	W. H. Byars .....	The exterior and subdivisions of township 37 south, 95, 104, and 114 east; township 38 south, ranges 11 and 12 east; subdivisions of township 34 south, range 6 east.	.....	138 36 06	2, 082 29	Contract closed; account paid
169	July 11, 1872	J. H. Evans.....	The exterior and subdivisions of township 39 south, ranges 16, 17, and 18 east; township 38 south, range 18 east, fractional; also, townships 40 and 41 south, ranges 15, 19, and 20 east.	.....	329 63 02	4, 831 92	Contract closed; account paid.
170	July 15, 1872	John S. Kincaid...	The exterior of townships 8 and 9 south, range 18 east; townships 9, 10, 11, and 12 south, range 19 east; the subdivisions of townships 7 and 8 south, range 18 east, and townships 9, 10, and 11 south, range 19 east.	.....	312 23 43	5, 000 00	Contract closed; account paid. (T. 10 S., R. 20 E., surveyed instead of T. 9 S., R. 19 E., left unsurveyed by reason of unfitness.)
171	July 17, 1872	George H. Thurston.	Extend the first standard parallel southeast through ranges 18, 19, 20, 21, 22, 23, and 24; the exterior and subdivisions of townships 5 and 6 south, ranges 20 and 21 east, and township 7 south, range 21 east.	.....	300 14 95	5, 000 00	Account transmitted. (T. 5 S., R. 22 E., surveyed instead of T. 6 S., R. 20 E., left unsurveyed by reason of unfitness.)
172	July 17, 1872	John W. Madrum.	The subdivisions of township 11 south, range 13 east; township 13 south, ranges 13, 14, and 15 east; township 14 south, range 13 east; township 15 south, ranges 13 and 14 east.	.....	410 54 87	5, 000 00	Contract closed; account paid.
173	July 20, 1872	John H. McChung.	Exterior and subdivision of townships 19 and 20 south, range 6 west; fractional township 19 south, range 7 west; fractional township 21 south, range 5 west; township 15 south, ranges 1 east and 1 west.	.....	240 08 41	3, 937 52	Account transmitted. (Fractional T. 18 S., R. 6 W., surveyed instead of tract T. 19 S., R. 7 W., left unsurveyed by reason of unfitness.)
174	July 20, 1872	Jasper Wilkins...	The subdivision of townships 15 and 16 south, range 2 west; the standard parallel south, between townships 15 and 16 south, through range 23 east, and the standard parallel south, between townships 17 and 18 south, through range 23 east; the exterior and subdivisions of townships 15, 16, and 17 south, range 23 east.	.....	269 09 93	4, 074 40	Account transmitted and paid.
175	July 20, 1872	Fullerton & Ransom.	The exterior of townships 32, 33, 34, and 35 south, ranges 64 and 74 east, and fractional township 32 south, range 7 east; subdivisions of township 35 south, ranges 63 and 74 east; the exterior of township 31 south, ranges 13 and 14 west; subdivision of township 31 south, range 13 west.	.....	.....	.....	.....

A.—Surveying contracts acted upon during the fiscal year ending June 30, 1873—Continued.

Contract No.	Contract Date	Contractor	Location and description of work.	Estimated amount surveyed.				Gross amount	Remarks
				Interior on Standard standards.	Standard parallels.	Exteriors.	Subdivisions.		
176	July 20, 1873	George Williams..	The exterior and subdivisinal lines of township 3 south, ranges 28, 27, 26, and 29 east; the east divisions of townships 5 and 6 north, ranges 37 east and 38 north, subdivisions of townships 4, 5 and 6 north, range 37 east, as may be valuable for agriculture, grazing, or timber, and no more.	M. ch. lt.	M. ch. lt.	M. ch. lt.	M. ch. lt.		
177	July 22, 1873	Mason & Campbell	The exterior and subdivisions of townships 1 and 2 south, range 12 east; township 4 south, range 11 east.			48 04 15	227 79 56	\$3,324 64	Contract closed; account paid.
178	July 23, 1873	Henry Meldrum ..	The exterior of township 3 south, range 6 west; township 4 south, range 7 west; subdivisions of townships 3 and fractional 4 south, range 6 west; subdivisions townships 4 and fractional 5 south, range 7 west; also, the exterior and subdivisions of townships 1 and 2 south, range 6 east.						
179	July 24, 1873	Jason Owen.....	The subdivisions of townships 32 and 33 south, range 7 east; townships 33 and 34 south, range 6 east; exteriors of townships 38 and 39 south, range 4 west; subdivision of townships 38 (fractional) and 39 south, range 4 west.						
180	July 27, 1873	Turner & Howard.	The exteriors of townships 40 and 41 south, ranges 15 and 16 east; township 40 south, range 4 east; subdivisions township 40 south, ranges 4, 14, 15, and 16 east; also to meander and extend the public surveys to the permanent water-line on the east and west shores of the Klamath Lakes and Link River through townships 38, 39, 40, and 41 south, ranges 8 and 9 east.			38 24 25	351 05 48	4,839 79	Contract closed; account paid.
181	Aug. 7, 1873	H. J. Stevenson...	The exteriors of township 5 north, ranges 4, 5, 6 and 7 west; township 6 north, ranges 4, 5, and 6 west; subdivisions township 7 north, ranges 4 and 9 west; township 8 north, ranges 7 and 8 west.						
182	Aug. 10, 1873	T. B. Handley ....	The subdivision of township 6 north, range 5 west; township 5 north, ranges 5, 6, and 7 west.						

183	Feb. 26, 1873	S. Corwin & Hand- loy.	The exterior and subdivisions of townships 1, 2, and 3 north, range 10 west.						
184	Mar. 29, 1873	Zenas F. Moody ..	The exterior and subdivisions of township 4 south, ranges 24, 25, 26, 27, 28, and 29 east.						
185	May 7, 1873	W. H. Byars.....	The exterior of township 11 south, ranges 22, 23, 24, 25, and 30 east; township 13 south, ranges 23, 24, 25, 26, 27, 28, 29, and 30 east; township 13 south, ranges 25, 26, 27, and 28 east.						

## B.—Statement of original plats of public survey and copies transmitted since June 30, 1872.

Lines.	Contractors.	No.	Date of contract.	Plats made.			
				Original.	Commissioner's.	Register's.	Total.
Exteriors T. 38 S., Ra. 10 and 11½ E.; T. 39 S., R. 11½ E.	Turner & Howard ..	160	July 12, 1871	...	...	...	...
Exteriors T. 40 S., Ra. 13 and 14 E.; T. 41 S., R. 13 E.	.....do .....	160	.....do .....	.....	.....	.....	.....
Exteriors Ta. 40 and 41 S., R. 14½ E. ....	.....do .....	160	.....do .....	1	1	.....	2
Subdivisions T. 38 S., Ra. 10 and 11½ E.; T. 39 S., R. 11½ E.	.....do .....	160	.....do .....	.....	.....	.....	.....
Subdivisions T. 40 S., Ra. 13, 14, and 14½ E.; T. 41 S., Ra. 13 and 14 E.	.....do .....	160	.....do .....	8	8	8	24
Exteriors T. 16 S., R. 7 W.; T. 17 S., Ra. 7 and 8 W.	Walker & Perkins..	161	July 24, 1871	1	1	.....	2
Subdivisions T. 16 S., Ra. 6 and 7 W. ....	.....do .....	161	.....do .....	2	2	2	6
Exteriors T. 30 S., R. 7 W.	W. H. Byars .....	152	June 3, 1871	1	1	.....	2
Subdivisions Ta. 30 and 31 S., R. 7 W.; T. 29 S., R. 6 W.	.....do .....	152	.....do .....	3	3	3	9
Northern boundary Warm Springs Indian reservation.	T. B. Handley .....	164	Sept. 7, 1871	1	1	.....	2
Exteriors Ta. 6, 7, and 9 S., R. 11 E.; T. 6 S., R. 10 E.; Ta. 8 and 10 S., R. 11 E.	.....do .....	164	.....do .....	1	1	.....	2
Subdivisions Ta. 6, 7, and 9 S., R. 11 E.; Ta. 6, 7, 9, and 10 S., R. 12 E.	.....do .....	164	.....do .....	.....	.....	.....	.....
Subdivisions T. 9 S., R. 13 E.; T. 6 S., R. 10 E.	.....do .....	164	.....do .....	9	9	9	27
First standard parallel north, between Ta. 4 and 5 N., through Ra. 4, 5, 6, 7, and ½ of 8 W.	W. E. Smith .....	153	May 24, 1871	1	1	.....	2
Exteriors T. 4 N., Ra. 3 and 4 W.; T. 3 N., R. 4 W.	.....do .....	153	.....do .....	1	1	.....	2
Subdivisions 4 N., Ra. 3 and 4 W.; T. 3 N., R. 4 W.	.....do .....	153	.....do .....	3	3	3	9
Exteriors T. 26 S., R. 12 W.; T. 27 S., R. 12 W.	Flint & Williams ...	151	May 23, 1871	1	1	.....	2
Subdivisions Ta. 26 and 27 S., R. 12 W. ....	.....do .....	151	.....do .....	2	2	2	6
Exteriors Ta. 33 and 34 S., R. 7 E.	George Mercer .....	146	May 2, 1871	1	1	.....	2
Subdivisions T. 33 S., R. 7 E.	.....do .....	146	.....do .....	1	1	1	3
Exteriors Ta. 35 and 36 S., R. 7 E.	.....do .....	163	Sept. 7, 1871	1	1	.....	2
Subdivisions Ta. 34, 35, and 36 S., R. 7 E.	.....do .....	163	.....do .....	3	3	3	9
Northern boundary Coast Indian reservation.	John W. Meldrum ..	166	Jan. 10, 1872	1	1	.....	2
First standard parallel south, between Ta. 5 and 6 S., through Ra. 8, 9, 10, and 11 W.	.....do .....	166	.....do .....	1	1	.....	2
Exteriors Ta. 3, 4, 5, 6, and 7 S., R. 11 W.; T. 5 S., R. 10 W.	.....do .....	166	.....do .....	1	1	.....	2
Subdivisions Ta. 5, 6, and 7 S., R. 11 W.; T. 5 S., R. 10 W.	.....do .....	166	.....do .....	4	4	4	12
Exteriors T. 3 S., Ra. 26, 27, 28, and 29 E. ....	George Williams ...	176	July 20, 1872	1	1	.....	2
Subdivisions T. 3 S., Ra. 26, 27, 28, and 29 E.	.....do .....	176	.....do .....	4	4	4	12
Exteriors Ta. 11, 14, and 15 S., R. 13 E.; T. 15 S., R. 14 E.	John W. Meldrum ..	172	July 17, 1872	.....	.....	.....	.....
Exteriors T. 13 S., Ra. 13, 14, and 15 E.	.....do .....	172	.....do .....	1	1	.....	2
Subdivisions Ta. 11, 14, and 15 S., R. 13 E.; T. 15 S., R. 14 E.	.....do .....	172	.....do .....	.....	.....	.....	.....
Subdivisions T. 13 S., Ra. 13, 14, and 15 E.	.....do .....	172	.....do .....	7	7	7	21
Exteriors T. 39 S., Ra. 17 and 18 E.; Ta. 40 and 41 S., Ra. 18, 19, and 20 E.	James H. Evans ....	169	July 11, 1872	1	1	.....	2
Subdivisions T. 39 S., Ra. 16, 17, and 18 E.; Ta. 40 and 41 S., Ra. 18, 19, and 20 E.	.....do .....	169	.....do .....	9	9	9	27
Exteriors Ta. 7, 8, and 9 S., R. 18 E.; T. 10 S., Ra. 19 and 20 E.; Ta. 11 and 12 S., R. 19 E.	John S. Kincaid ....	170	July 15, 1872	1	1	.....	2
Subdivisions Ta. 7, 8, and 9 S., R. 18 E.; T. 10 S., Ra. 19 and 20 E.; T. 11 S., R. 19 E.	.....do .....	170	.....do .....	6	6	6	18
Exteriors and subdivisions T. 37 S., Ra. 9 and 10 E.	W. H. Byars .....	168	July 10, 1872	3	3	2	8
Standard parallel between Ta. 15 and 16 S., through R. 23 E.; standard parallel between Ta. 17 and 18 S., through R. 23 E.; exteriors Ta. 15, 16, and 17 S., R. 23 E.	Jaasper Wilkins ....	174	July 20, 1872	3	3	.....	6
Subdivisions Ta. 15, 16, and 17 S., R. 23 E.; Ta. 15 and 16 S., R. 2 W.	.....do .....	174	.....do .....	5	5	5	15
Exteriors T. 5 N., Ra. 4, 5, 6, and 7 W.; T. 6 N., R. 4 W.	R. J. Stevenson .....	181	Aug. 7, 1872	1	1	.....	2
Exteriors and subdivisions T. 7 N., R. 4 W.	.....do .....	181	.....do .....	2	2	1	5
Exteriors Ta. 32 and 33 S., R. 7½ E.; T. 32 S., R. 7 E.; Ta. 33, 34, and 35 S., R. 6 E.	Fullerton & Ransom.	175	July 20, 1872	1	1	.....	2
Subdivisions T. 35 S., Ra. 7½ and 6 E. ....	.....do .....	175	.....do .....	2	2	2	6

B.—Statement of original plats of public survey, &c.—Continued.

Lines.	Contractors.	No.	Date of contract.	Plats made.			
				Original.	Commissioner's.	Register's.	Total.
Exteriors Ts. 19 and 20 S., R. 6 W. ....	John H. McClung...	173	July 20, 1872	1	1	.....	2
Subdivisions Ts. 19, 19, and 20 S., R. 6 W. ....	do	173	do	3	3	3	9
Exteriors and subdivisions Ts. 1, 2, and 3 S., R. 12 E.; T. 4 S., R. 11 E.	Mason & Campbell	177	July 22, 1872	5	5	4	14
First standard parallel south, through Rs. 18, 19, 20, 21, 22, 23, and 24 E.	George H. Thurston.	171	July 17, 1872	1	1	.....	2
Exteriors and subdivisions Ts. 6 and 7 S., R. 21 E.	do	171	do	3	3	1	7
Exteriors and subdivisions T. 5 S., Rs. 20, 21, and 22 E.	do	171	do	4	4	3	11
Exteriors T. 40 S., Rs. 4, 15, and 16 E., and 41 S., Rs. 15 and 16 E.	Turner & Howard ..	180	July 27, 1872	1	1	.....	2
Subdivisions T. 40 S., Rs. 4, 14, 15, and 16 E.; Ts. 38, 40, and 41 S., R. 8 E.; Ts. 38, 39, 40, and 41 S., R. 9 E.	do	180	do	11	11	11	33
Interior subdivisions of T. 36 S., Rs. 10, 11, and 12 E.	George Mercer.....	167	June 15, 1872	3	3	3	9
Interior subdivisions T. 5 N., R. 7 W. ....	T. B. Handley.....	182	Aug. 10, 1872	1	1	1	3
Total.....							253

C.—Townships surveyed since June 30, 1872, with area of public lands.

Number.	Description.		Area, (acres.)	By whom surveyed.
	Township.	Range.		
1	40 south	4 east	18,206.21	Turner & Howard.
2	39 south	8 east	2,419.92	Do.
3	40 south	8 east	2,674.34	Do.
4	38 south	9 east	171.68	Do.
5	39 south	9 east	1,978.43	Do.
6	40 south	9 east	135.87	Do.
7	41 south	9 east	132.85	Do.
8	38 south	10 east	23,032.69	Do.
9	38 south	11 east	22,476.73	Do.
10	39 south	11 east	22,171.35	Do.
11	40 south	13 east	19,260.08	Do.
12	41 south	13 east	7,487.28	Do.
13	40 south	14 east	22,923.07	Do.
14	41 south	14 east	13,846.43	Do.
15	40 south	14 east	23,224.15	Do.
16	40 south	15 east	23,212.09	Do.
17	40 south	16 east	23,030.10	Do.
18	35 south	6 east	2,850.67	Fullerton & Ransom.
19	35 south	7 east	613.90	Do.
20	33 south	7 east	23,017.59	George Mercer.
21	34 south	7 east	22,353.70	Do.
22	35 south	7 east	22,172.44	Do.
23	36 south	7 east	3,252.89	Do.
24	36 south	10 east	2,217.48	Do.
25	36 south	11 east	9,464.41	Do.
26	36 south	12 east	6,553.70	Do.
27	41 south	8 east	101.04	Turner & Howard.
28	37 south	9 east	26,186.31	W. H. Byars.
29	37 south	10 east	26,249.73	Do.
30	6 south	10 east	1,280.00	T. B. Handley.
31	6 south	11 east	3,520.00	Do.
32	7 south	11 east	1,919.20	Do.
33	9 south	11 east	800.00	Do.
34	6 south	12 east	160.00	Do.
35	7 south	12 east	23,107.40	Do.
36	9 south	12 east	5,109.66	Do.
37	10 south	12 east	1,276.98	Do.
38	9 south	13 east	242.50	Do.
39	4 south	11 east	17,265.38	Mason & Campbell.
40	1 south	12 east	22,917.59	Do.
41	2 south	12 east	22,939.64	Do.
42	3 south	12 east	22,947.62	Do.

## C.—Townships surveyed since June 30, 1872, with area of public lands—Continued.

Number.	Description.		Area, (acres.)	By whom surveyed.
	Township.	Range.		
43	11 south	13 east	20,844.35	John W. Meldrum.
44	13 south	13 east	21,080.61	Do.
45	14 south	13 east	22,023.82	Do.
46	15 south	13 east	23,034.50	Do.
47	13 south	14 east	22,949.33	Do.
48	15 south	14 east	22,958.82	Do.
49	13 south	15 east	23,036.02	Do.
50	39 south	16 east	8,960.00	James H. Evans.
51	39 south	17 east	23,035.62	Do.
52	39 south	18 east	19,210.33	Do.
53	40 south	18 east	23,070.95	Do.
54	41 south	18 east	14,444.75	Do.
55	40 south	19 east	15,081.47	Do.
56	41 south	19 east	3,790.96	Do.
57	40 south	20 east	7,269.41	Do.
58	41 south	20 east	2,744.97	Do.
59	7 south	18 east	23,008.37	John S. Kincaid.
60	8 south	18 east	23,039.39	Do.
61	9 south	18 east	4,161.00	Do.
62	10 south	19 east	22,995.95	Do.
63	11 south	19 east	22,998.21	Do.
64	10 south	20 east	23,011.45	Do.
65	5 south	20 east	23,059.69	George H. Thurston.
66	5 south	21 east	23,072.54	Do.
67	6 south	21 east	23,037.13	Do.
68	7 south	21 east	23,039.83	Do.
69	5 south	22 east	23,072.42	Do.
70	15 south	22 east	23,013.94	Jasper Wilkins.
71	16 south	22 east	22,513.84	Do.
72	17 south	22 east	23,004.51	Do.
73	3 south	26 east	23,062.61	George Williams.
74	3 south	27 east	23,104.46	Do.
75	3 south	28 east	23,160.53	Do.
76	3 south	29 east	23,058.55	Do.
Total			1,164,528.03	
77	15 south	2 west	19,878.18	Jasper Wilkins.
78	16 south	2 west	14,191.05	Do.
79	16 south	6 west	4,960.00	Walker & Perkins.
80	16 south	7 west	4,820.00	Do.
81	29 south	6 west	1,230.00	W. H. Byars.
82	30 south	7 west	8,922.89	Do.
83	18 south	7 west	3,830.83	John H. McClung.
84	19 south	6 west	23,040.06	Do.
85	20 south	6 west	23,064.50	Do.
86	5 south	10 west	2,648.31	John W. Meldrum.
87	5 south	11 west	2,698.83	Do.
88	6 south	11 west	4,292.52	Do.
89	7 south	11 west	1,363.78	Do.
90	26 south	12 west	23,080.18	Flint & Williams.
91	27 south	12 west	23,097.00	Do.
Total			155,188.13	
92	4 north	3 west	23,032.96	William E. Smith.
93	3 north	4 west	3,861.92	Do.
94	4 north	4 west	23,309.95	Do.
95	7 north	4 west	12,174.04	H. J. Stevenson.
96	5 north	7 west	22,664.76	T. B. Handley.
Total			85,263.63	

Total acres south of the base line and east of the Willamette meridian ..... 1,164,528.03  
 Total acres south of the base line and west of the Willamette meridian, Oregon ..... 155,188.13  
 Total acres north of the base line and west of the Willamette meridian, Oregon ..... 85,263.63

Grand total ..... 1,404,979.79

Amount of surveys of public lands in the State of Oregon surveyed prior to June 30, 1872... 62,836,766.91  
 Amount of surveys during the fiscal year ending June 30, 1873, brought down ..... 1,404,979.79  
 Mining-claims on unsurveyed lands ..... 1,518.26

Total acres surveyed in Oregon up to June 30, 1873 ..... 64,243,264.96

D.—Salaries paid surveyor-general and clerks for the fiscal year ending June 30, 1873.

Names.	Occupation.	Nativity.	Term of office.	Amount paid.
W. H. Odell.....	Surveyor-general.....	Indiana.....	July 1, 1872, to June 30, 1873.....	\$2,500 00
A. W. Stowell.....	Chief clerk.....	do.....	July 1, 1872, to May 31, 1873.....	1,468 13
George Stowell.....	Draughtsman.....	do.....	July 1, 1872, to June 30, 1873.....	1,400 00
W. J. Shipley.....	Transcribing clerk.....	Missouri.....	July 1, 1872, to March 31, 1873.....	960 00
Do.....	do.....	do.....	June 1, 1873, to June 30, 1873.....	98 90
W. R. Walker.....	do.....	do.....	July 1, 1872, to February 15, 1873.....	753 33
Do.....	do.....	do.....	June 1, 1873, to June 15, 1873.....	22 97
W. R. McCornack.....	do.....	Illinois.....	July 1, 1872, to February 15, 1873.....	756 67
<b>Total.....</b>	.....	.....	.....	<b>7,900 00</b>

E.—Statement showing the amount and condition of special deposits made for survey of public lands in Oregon for fiscal year ending June 30, 1873.

Date of deposit.	Name of depositor.	Amount deposited.		
		For field-work.	For office-work.	Total.
August 3, 1872.....	George Collins.....	\$20 00	\$5 00	\$25 00
March 1, 1872.....	B. B. Jones, John S. Collins, and George Smith.....	224 00	10 00	234 00
<b>Total.....</b>	.....	.....	.....	<b>259 00</b>

Date of contract.	Name of deputy.	Cost of field-work.	Cost of office-work.	Total.
August 19, 1872.....	John Newson.....	\$20 00	\$5 00	\$25 00
March 12, 1873.....	William Hall.....	223 76	10 00	234 00
<b>Total.....</b>	.....	.....	.....	<b>259 00</b>

F.—Estimate for surveying and office expense for the fiscal year ending June 30, 1875.

OFFICE EXPENSE.

Salary of surveyor-general.....	\$2,500
Salary of chief clerk.....	1,600
Salary of two draughtsmen, at \$1,400 each.....	2,800
Salary of three transcribing clerks, at \$1,200 each.....	3,600
Incidental expenses, messenger, office rent, &c.....	2,000
	<b>\$12,500</b>

SURVEYING EXPENSES WEST OF CASCADES.

Surveying 40 miles of standard parallel, at \$18 per mile.....	720
Surveying 200 miles of exteriors, at \$16 per mile.....	3,200
Surveying 2,000 miles of subdivisions, at \$14 per mile.....	28,000
	<b>31,920</b>

SURVEYING EXPENSES EAST OF THE CASCADE MOUNTAINS.

Surveying 60 miles of standard parallel, at \$15 per mile.....	900
Surveying 1,500 miles of exteriors, at \$14 per mile.....	21,000
Surveying 3,000 miles of subdivisions, at \$12 per mile.....	36,000
	<b>57,900</b>



G.—Whole number of mining-claims surveyed and approved in Oregon up to June 30, 1873.

Number of survey.	Name of company.	Location of claims.				Area in acres.	Date of approval.	Date of transmittal.	Character of lode.
		Number of mining district.	Mining district.	County.	Township.				
61	William B. Crane	4	Pioneer	Union	Unsurveyed lands	118.17	Oct. 28, 1872	Copper.	
53	Virtue Gold Mining Company	4	Pioneer	Baker	do	140.23	Oct. 28, 1872	Black gold.	
46	Jeremiah J. Dopley	4	do	do	do	166.99	Oct. 28, 1872	Placer.	
43	O. S. Buckland	4	do	do	do	166.16	Oct. 27, 1872	Placer.	
71	W. K. Curtis & Co.	4	do	do	do	66.41	Jan. 27, 1873	Placer.	
72	Fritchard & Co.	4	do	do	do	92.60	Jan. 27, 1873	Placer.	
86	Robert Kitchen	4	do	do	do	40.00	Jan. 27, 1873	Placer.	
69	Harold W. Estes	4	Pioneer	do	9 south, range 39 east.	39.46	Jan. 27, 1873	Placer.	
88	James L. Cummings	4	Eagle	Union	Unsurveyed lands	65.00	Oct. 28, 1872	Placer.	
39	W. H. Thompson	4	do	do	do	100.00	Oct. 28, 1872	Placer.	
40	George W. Parker	4	do	do	do	85.00	Oct. 28, 1872	Placer.	
41	Levi W. Nelson	4	do	do	do	100.00	Oct. 28, 1872	Placer.	
43	Talbman, Wining & Montey	4	Pioneer	Baker	9 south, range 39 east.	73.92	Jan. 27, 1873	Placer.	
502	do	4	do	do	Unsurveyed lands	55.86	Oct. 28, 1872	Placer.	
51	Sutton, Lake & Mescham	4	do	do	do	31.15	Oct. 28, 1872	Placer.	
542	Walker Fernolds	4	Rye Valley	do	do	14.57	Jan. 27, 1873	Placer.	
540	do	4	do	do	do	3.70	Jan. 27, 1873	Placer.	
66	E. M. White	4	Eagle	Union	do	90.50	Oct. 28, 1872	Placer.	
682	do	4	do	do	do	92.74	Oct. 28, 1872	Placer.	
690	J. C. Powers	4	Rye Valley	Baker	do	27.04	Jan. 27, 1873	Placer.	
70	Joseph H. Shinn	4	do	do	do	159.14	Jan. 27, 1873	Placer.	
71	Green Discovery	4	do	do	do	13.37	Oct. 28, 1872	Rock.	
72	Charles Green	4	do	do	do	13.37	Oct. 28, 1872	Rock.	
73	S. B. Story	4	do	do	do	19.06	Jan. 27, 1873	Placer.	
74	John Moran	4	Union	do	do	12.33	Jan. 27, 1873	Placer.	
76	Braithain & Co.	4	do	do	do	152.16	Jan. 27, 1873	Placer.	
					Total area in acres.	1,631.56			

H.—Statement of incidental expenses for the fiscal year ending June 30, 1873.

Third quarter, 1872:			
September 30, 1872	A. S. Patterson, postage, stationery, &c.	\$167 04	
September 30, 1872	F. Dudley, messenger	150 00	
September 30, 1872	A. V. Peters & Co., office rent, &c.	77 13	
			\$394 17
Fourth quarter, 1872:			
December 31, 1872	A. S. Patterson, stationery, &c.	95 07	
December 31, 1872	J. Waud & Co., stoves, &c.	91 75	
December 31, 1872	D. Cherry, furniture	21 39	
December 31, 1872	G. W. Bond, hard wood	58 50	
December 31, 1872	Mark Stevens, messenger	150 00	
December 31, 1872	J. B. Underwood, office rent, &c.	109 86	
December 31, 1872	Friendley & Lauer, lamps, &c.	14 00	
December 31, 1872	J. S. Luckey, clock	44 00	
December 31, 1872	Benjamin F. Dorris, map-cases	6 75	
December 31, 1872	F. B. Dunn, brooms, &c.	4 13	
December 31, 1872	John S. Kincaid, printing	6 00	
			601 45
First quarter, 1873:			
March 31, 1873	A. S. Patterson, stationery, postage, &c.	141 97	
March 31, 1873	John S. Kincaid, printing	45 00	
March 31, 1873	M. E. Walker, map-cases	34 44	
March 31, 1873	Mark Stevens, messenger	150 00	
March 31, 1873	F. H. Kinsay, case for minerals	40 00	
March 31, 1873	J. B. Underwood, office rent, &c.	98 00	
			509 41
Second quarter, 1873:			
June 30, 1873	A. S. Patterson, stationery, postage, &c.	80 37	
June 30, 1873	Mark Stevens, messenger	150 00	
June 30, 1873	Friendley & Lauer, ax and globe	2 75	
June 30, 1873	G. M. Coeper, ink, rubber, and pencils	5 25	
June 30, 1873	J. B. Underwood, office rent	150 00	
June 30, 1873	Warren Choate & Co., postal balances	2 70	
June 30, 1873	Ellsworth & Belshaw, kerosene	4 71	
June 30, 1873	F. B. Mason, printing	70 00	
June 30, 1873	Benjamin F. Dorris, map-cases, &c.	27 30	
			493 08
Total			1,998 11
Unexpended balance			1 89
Grand total			2,000 00

P.—Report of the surveyor-general of Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

SIR: Referring again to your letter of instructions of March 11, 1873, I have the honor herewith to transmit, in duplicate, a report of the surveying operations in this district for the year ending June 30, 1873.

Accompanying and forming a part of this report are the following tabular statements, viz:

A.—Showing the amount, character, and condition of public surveys in Washington Territory, contracted for under appropriation for public surveys in this district for the fiscal year ending June 30, 1873.

B.—Showing the number of plats made, and the number of copies transmitted to the General Land-Office and the district land-offices, since the date of the last annual report.

C.— Exhibits 1, 2, and 3, showing the number of linear miles run, the rate per mile, and the total cost of surveys in the district of Washington Territory for the past fiscal year.

D.—Showing the number and designation of the townships and the number of acres surveyed in Washington Territory during the fiscal year ending June 30, 1873.

E.—Exhibits 1 and 2, showing the amount and condition of appropriation and the amount paid on contracts for the fiscal year ending June 30, 1873.

F.—Showing the account of appropriations for salary of surveyor-general of Washington Territory for the fiscal year ending June 30, 1873.

G.—Showing the account of the appropriation for salaries of clerks and draughtsmen in the office of the surveyor-general of Washington Territory for the fiscal year ending June 30, 1873.

H.—Showing account of office rent, stationery, fuel, messenger's wages, and other incidental expenses of the surveyor-general's office for the fiscal year ending June 30, 1873.

I.—Showing estimated amount required for the prosecution of the surveying service in the district of Washington Territory for the fiscal year ending June 30, 1875.

Concerning this report, I am able to say but little in regard to what was done by my predecessor, as it embraces a period prior to my administration of the affairs of this office.

The approval of work performed by deputies, who, in many instances, were strangers to me, so far at least as their capacity as surveyors is concerned, has been one of the many unpleasant duties for which our present law knows no remedy.

A delay on my part would in many instances work a hardship on the settlers, many of whom were in the habit of visiting their local land-offices weekly for the purpose of securing a title to their homes.

In forming an opinion concerning the qualifications of deputy surveyors of this Territory, I am indebted to Thomas M. Reed, esq., the efficient chief clerk of this office, who is himself a competent practical surveyor, and whose long connection with the office has brought him in contact with nearly every deputy surveyor in the Territory.

Since the approval of some of the returns of the deputies embodied in this report, I have been informed that in some instances the work has been imperfectly performed, but in each of these doubtful cases special examinations will be made to the extent of the amount awarded by you to this district for that purpose.

As I understand the law, neither the deputy surveyor nor his sureties to the contract are released from liability when the requirements of the law have been disregarded in the execution of his work, even though his returns may have been previously approved by the surveyor-general.

The demand for public surveys in this Territory is constantly increasing, and settlers are applying, by the most urgent petitions, for the survey of their particular locality, that they may be enabled thereby to secure a title to their homes under either the homestead or pre-emption laws. Many of these petitions allege that their township has been settled for from ten to fifteen years, and yet they have been unable to secure a survey of their lands. This difficulty is frequently unavoidable on the part of the surveyor-general, while in some instances the natural desire of the deputy surveyor to secure, if possible, a favorable contract, regardless of the wants of the settler, has often overruled the judgment of the surveyor-general in designating the proper locality to be surveyed.

A more thorough knowledge of this Territory has developed the fact that townships heretofore but partially surveyed, and large portions of which were returned by the deputy as "mountainous and unfit for cultivation or settlement," are now known to contain some of the most desirable lands west of the Cascade Range. These lands are generally found to be plateaux or tables, situated a few hundred feet above the lower valley of some stream which was first sought by the settlers, and will be more fully understood by an examination of the map between the third and fifth standard parallels north, along the valley of the Chehalis River. The settlers are now petitioning for the survey of these fractional townships, some of which are occupied and being improved.

That portion of the Territory now only known as the "Coast or Olympic Range of Mountains," and extending north from the fifth standard parallel to the Straits of Juan de Fuca, embracing an area of over 3,500,000 acres, is as yet almost entirely unexplored. A large open or prairie country is, however, known to be situated north of the Quinaulte River, to which the attention of settlers has been directed for some time past, and which is now unsettled only because unsurveyed.

Reasoning from the fact that the amount of drainage from this extent of country on the eastern and western slopes is quite limited, the streams being small, while the snow from the highest peaks almost entirely disappears during the summer months, leads all whose attention has been called in this direction, to the conclusion that a large valley, sufficient to absorb the moisture from the melting snow, must be located somewhere within the limits of this vast area of country.

For the purpose of extending the public surveys over the most available portions of this region, and to relieve the present settlers along the south side of the Straits of Juan de Fuca, I desire to extend the coast guide-meridian north from its present termination to the straits, and also to extend the standard parallels therefrom sufficiently to perform the necessary work. I have already included the above-mentioned lines in my estimates contained in schedule I, to which allusion has already been made.

#### NORTHERN PACIFIC RAILROAD.

The early completion of that portion of the Northern Pacific Railroad from the Columbia River to Commencement Bay on Puget Sound, which will soon establish an easy and reliable line of communication, is already attracting the attention of settlers

to all vacant land north of the Columbia River, and along the line of road west of the Cascade Mountains. That justice may be done both to the settler and company, I would again respectfully call your attention to the estimates made by me for the coming year as being barely adequate to defray the necessary expenses incident to the surveying service in this Territory.

#### EASTERN WASHINGTON TERRITORY.

The rapidity with which this portion of the Territory is being settled, and the desire to secure the most available agricultural lands, has led the enterprising emigrants far beyond the present limits of the public surveys, and they are now petitioning by every mail to have the surveys so extended as to embrace all the available lands in the Palouse and Spokane countries. A large portion of the lands already surveyed, east of the Cascade Range of Mountains, along the Yokama, and north and west of the Columbia River, is not considered as desirable for agricultural pursuits as the lands farther north, timber being at a much greater distance, and only procured at great labor and cost to the farmer. In this connection I beg leave to suggest that if Congress could so amend the homestead law as to allow the claimant who locates on prairie lands to select one of the smallest legal subdivisions of timbered lands, although segregated from his homestead proper, such an act would meet the united approval of all settlers throughout the entire northwest, and would, at the same time, remove all cause for trespassing on Government timbered lands. The timber in this portion of the Territory is generally found along the mountainous or broken lands unfit for agricultural purposes, while the lower or valley lands are susceptible of the highest state of cultivation, and produce in the greatest perfection and abundance all the fruit, cereals, and grasses known to the agriculturists of the northwest. As a stock-growing country this portion of the Territory cannot be excelled by any other on the continent. With a mild and healthy climate, and the purest water flowing from the snow-capped mountains during the summer months, and the prospect of early facilities for reaching a good market, which will soon be supplied by the completion of the Northern Pacific Railroad from the east to some point on the navigable waters of the Columbia River, this country is destined soon to become one of the most desirable locations for the immigrant seeking a permanent home.

#### SURVEY OF INDIAN RESERVATIONS.

The survey of a portion of the Indian reservations in this Territory, so recently directed by the Department of the Interior, is generally considered as a step in the proper direction toward establishing good faith between the Indian and the Government. The anxiety of each individual to be allowed to occupy a small tract of land in his own right is the best evidence of approaching civilization, and if carried out in good faith by the Government, will ultimately remove all cause for dissensions between them and the white settlers, which so often lead to open hostilities.

#### COAL LANDS.

Bituminous coal is found in apparently inexhaustible quantities and of excellent quality throughout the entire Puget Sound basin. Two mines have been successfully worked, one at Lake Washington, near Seattle, and the other at Bellingham Bay.

#### MINERAL LANDS.

Gold, silver, copper, galena, and iron are found in this Territory, both east and west of the Cascade Mountains, but prospecting for rich mines of the more precious metals has been so limited that the attention of the public has not as yet been directed to any particular locality. I have been requested by parties east of the Cascade Mountains, and also by the local land-officers at Walla-Walla, to appoint a surveyor of mining-claims, which I have done for the land-district of Walla-Walla.

I herewith also submit the usual annual map, showing the progress of surveys in this Territory.

I have the honor to be, very respectfully, your obedient servant,

W. MCMICKEN,

*Surveyor-General.*

Hon. WILLIS DRUMMOND,

*Commissioner General Land-Office, Washington, D. C.*

A.—Statement showing the amount, character, and condition of public surveys in Washington Territory contracted for under appropriation for the fiscal year ending June 30, 1873.

Contract No.	Date.	Name of deputy.	Character and location of work.	Estimated number of miles.	Estimated cost of work.	Remarks.
136	1872 July 13	Edwin Richardson	Exterior boundaries of townships 25 and 26 north, of ranges 31, 32, 33, 34, 35, 36, 37, and 38 east. Subdivisional lines of townships 13, 14, 15, and 16 north, of range 32 east, and township 25 north, of ranges 31, 32, and 33 east.	180	\$2,520 00	Unfinished.
137	July 13	Edward Giddings	Exterior boundaries of townships 15 and 16 north, range 31 east; townships 13, 14, 15, and 16 north, range 32 east; the range line between townships 13, 14, 15, and 16 north, ranges 38 and 39 east; exterior of township 16 north, ranges 39, 40, 41, 42, and 43 east, and township 15 north, ranges 39, 40, 41, 42, and 43 east. Subdivisional lines of township 16 north, ranges 39, 40, 41, 42, and 43 east. Subdivisional and meander lines of township 19 north, ranges 3 and 4 east. Subdivisional lines of townships 25 and 26 north, ranges 35, 36, 37, and 38 east, and township 25 north, range 34 east.	420	5,040 00	Completed.
138	July 15	William R. Ballard	Exterior boundaries of township 16 north, ranges 39, 40, 41, 42, and 43 east.	420	5,040 00	Do.
139	July 13	Jesse Richardson	Subdivisional and meander lines of township 19 north, ranges 3 and 4 east.	125	1,500 00	Do.
140	July 17	E. M. Morgan	Subdivisional lines of townships 25 and 26 north, ranges 35, 36, 37, and 38 east, and township 25 north, range 34 east. Eight standard parallel north, through range 4 east. Exterior subdivisional and meander lines of townships 31 and 32 north, range 4 east; township 28 north, range 1 west, and townships 28 and 29 north, range 2 west; also, islands in townships 34 and 35 north, range 1 east. Fifth standard parallel north, through range 6 east. Exterior townships 18, 19, and 20 north, range 17 east; townships 19 and 20 north, range 18 east. Subdivisions townships 19 and 20 north, range 17 east, and 18 and 19 north, range 18 east.	540	6,480 00	Three townships relinquished.
141	July 20	Smith & Reeves	Exterior and subdivisions townships 19 north, range 5 east, and 20 north, range 6 east. Exterior and subdivisions townships 19 north, range 5 east, and 20 north, range 6 east.	6 312	90 00 4,100 00	Incomplete.
142	July 20	Cornelius & Snow	Exterior boundaries townships 35 north, range 4 east, 37 north, range 3 east. Subdivisions and meanders townships 33, 34, and 35 north, range 4 east, 37 north, range 3 east, and 40 north, range 2 east; also, Lattumie Island, in township 37 north, range 1 east.	96 60	1,458 00 840 00	Unfinished.
143	July 20	D. F. & C. N. Byles	North boundary of township 18 north, range 5 west.	240	2,880 09	Unfinished.
144	July 22	Z. F. Moody	Subdivisions, township 18 north, ranges 4 and 5 west. Fifth standard parallel north, through ranges 31 to 45 east, inclusive; fourth standard parallel north, through ranges 44 and 45 east.	24 120	384 00 1,680 00	Unfinished.
145	July 25	Henry N. Stearns	Exterior and subdivisional lines of townships 17 and 18 north, ranges 43, 44, and 45 east.	18	288 00	Completed.
146	July 27	William Jameson	West boundary and subdivisional lines of township 14 north, range 4 west. Exterior and subdivisional lines of township 23 north, range 1 west; subdivisional and meander lines of township 31 north, ranges 7 and 8 west, and fraction of township 30 north, range 4 west.	273 77	3,822 00 924 00	Completed.
147	July 29	Levi Farnsworth	Third standard parallel, through range 16 east; exterior and subdivisional lines township 13 north, ranges 16 and 17 east, 15 north, range 18 east, and 16 north, range 17 east.	6	96 00	Do.
148	Aug. 6	James T. Berry	Exterior, subdivisional, and meander lines of township 12 north, ranges 2 and 3 east.	120	1,680 00	Do.
				546 68 125	7,092 00 840 00 1,668 00	Do. Do. Do.
				306	3,810 00	Do.
				146	1,800 00	Do.

149	Aug. 17	Francis F. Loehr	Exterior boundaries of township 10 north, range 41 east, and the subdivisional lines of township 10 north, ranges 40 and 41 east, and fraction of township 7 north, range 38 east.	154	1, 972 00	Unfinished.
150	Aug. 21	Abner L. Knowlton	Exterior boundaries of township 11 north, range 43 east, and townships 11 and 12 north, range 38 east; subdivisional lines township 11 north, range 43 east, and 12 north, range 38 east.	150	1, 860 00	Completed.
151	Sept. 21	G. F. & J. M. Whitworth	Exteriors and subdivisional lines of township 23 north, range 6 east.	78	960 00	Do.
152	Oct. 18	Alexander McAndrews	Exteriors and subdivisional lines of townships 9 and 10 north, range 8 west; subdivisions, fraction of township 12 north, of range 16 east.	99	1, 400 00	Do.
153	Sept. 18	Peter W. Crawford	Subdivisions and meanders of township 8 north, of range 5 west, and fraction of 8 north, range 3 west.	50	600 00	Do.
154	Oct. 18	Samuel E. Brackins	Tenth standard parallel, through ranges 3 and 4 east; exterior lines townships 39 and 40 north, range 3 east, and subdivision and meander line of 40 north, range 3 east.	110	1, 624 00	Do.
155	Nov. 7 1873.	William T. Ballou	Subdivisions and meander lines of part of township 38 north, range 3 east.	33	384 00	Annulled.
156	Jan. 27	William Jameson	East boundary township 25 north, range 6 east; exterior and subdivisional lines of township 36 north, range 6 east, and townships 22 and 23 north, range 4 west.	214	3, 084 00	Completed.
158	Apr. 22	Abbott & Jameson	Sixth standard parallel, through range 40 east. Exterior and subdivisional lines of township 25 north, range 40 east, fraction of 36 north, range 38 east, and subdivisional lines of 15 and 16 north, range 31 east.	238	2, 924 00	Deputies in field.
157	Apr. 17	William R. Ballard	Six townships within the limits of the Yakama Indian reserve for the benefit of the Indians, under special appropriation for the purpose.	.....	14, 000 00	Deputy in field.
159	Apr. 16	Francis F. Loehr	Subdivision of the Fort Walla-Walla Useless Military reserve into tracts not exceeding forty acres, under special appropriation.	.....	150 00	Completed.

W. MCMICKEN, Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE, Olympia, Wash., August 15, 1873.

B.—Statement showing original plats made and number of copies transmitted to the General Land-Office and to the district land-offices for the fiscal year ending June 30, 1873.

Exterior boundaries.	Townships subdivided.	Township.	Range.	Original.	General Land-Office.	District land-office.	Total.	When transmitted.
2	2	7 and 8 north	1 east	2	2	2	6	Aug. 24, 1872
	2	15 and 16 north	31 east	2	2	2	6	Do.
	1	15 north	3 west	1	1	1	3	Do.
6		15 and 16 north	31 east	}	1	1	2	Nov. 1, 1872
		13, 14, 15, and 16 north	32 east					
	1	23 north	1 west	1	1	1	3	Oct. 7, 1872
	1	19 north	4 east	1	1	1	3	Sept. 28, 1872
	2	18 north	4 and 5 west	2	2	2	6	Oct. 16, 1872
	2	34 and 35 north	1 east	2	2	2	6	Oct. 23, 1872
6		17 and 18 north	43, 44, and 45 east.	1	1		2	Nov. 15, 1872
1	1	12 north	2 east	1	1	1	3	Nov. 16, 1872
	1	34 north	3 east	1	1	1	3	Nov. 18, 1872
	6	17 and 18 north	43, 44, and 45 east.	6	6	6	18	Nov. 25, 1872
	1	34 north	4 east	1	1	1	3	Nov. 26, 1872
	2	31 and 32 north	do	2	2	2	6	Dec. 11, 1872
	1	10 north	40 east	1	1	1	3	Dec. 13, 1872
	1	25 north	36, 37, and 38 east.	3	3	3	9	Dec. 17, 1872
	1	26 north	38 east	1	1	1	3	Do.
	2	38 north	7 and 8 west	2	2	2	6	Dec. 19, 1872
4		25 north	36, 37, and 38 east.	}	1	1	2	Do.
		26 north	33 east					
10		13, 14, 15, and 16 north.	39 east	}	1	1	2	Jan. 6, 1873
		15 and 16 north	40 and 41 east					
		16 north	42 and 43 east	}	5	5	15	Do.
	5	do	39, 40, 41, 42, and 43 east.					
	1	20 north	4 west	1	1	1	3	Dec. 30, 1872
	1	14 north	do	1	1	1	3	Jan. 25, 1873
	2	15 and 16 north	32 east	2	2	2	6	Jan. 30, 1873
	1	8 north	5 west	1	1	1	3	Feb. 5, 1873
	1	23 north	6 east	1	1		2	Feb. 10, 1873
	1	33 north	4 east	1	1	1	3	Feb. 15, 1873
3	3	25 north	32, 34, and 35 east.	4	4	3	11	Feb. 18, 1873
1	1	10 north	41 east	1	1	1	3	Feb. 26, 1873
1	1	19 north	5 east	1	1		2	Mar. 1, 1873
1	1	20 north	6 east	1	1	1	3	Do.
1	2	18 and 19 north	18 east	2	2	2	6	Do.
1	1	16 north	17 east	1	1	1	3	Mar. 17, 1873
1	1	15 north	18 east	1	1	1	3	Do.
2	2	13 north	16 and 17 east	2	2	2	6	Do.
2	2	37 north	1, 2, and 3 east.	2	2	2	6	Apr. 19, 1873
1	1	28 north	2 west	1	1	1	3	Apr. 24, 1873
1	1	12 north	3 east	1	1	1	3	Apr. 11, 1873
1	1	29 north	2 west	1	1	1	3	July 16, 1873
2	1	25 and 26 north	6 east	2	2	1	5	Do.
		12 north	16 east	}	3	3	9	Do.
		9 and 10 north	8 west					
2	2	11 and 12 north	38 east	2	2	1	5	Do.
1	1	11 north	43 east	1	1	1	3	Do.
1	1	35 north	4 east	1	1	1	3	Do.
2	1	39 and 40 north	3 east	2	2	1	5	Do.
2	2	32 and 23 north	4 west	2	2	2	6	July 26, 1873
	1	23 north	6 east	1	1	1	3	July 28, 1873
	1	8 north	3 west	1	1	1	3	July 31, 1873
	1	25 north	32 east	1	1	1	3	
	1	do	31 east	1	1	1	3	
	1	40 north	2 east	1	1	1	3	
3		26 north	31, 32, and 33 east.	1	1		2	
STANDARD LINES.								
		4th standard	44 and 45 east	1	1		2	Nov. 15, 1872
		5th standard	31 to 45 east.	1	1		2	Do.
		do	6 east and 16 to 38 east.	1	1		2	Mar. 1, 1873
		3d standard	16 east	1	1		2	Mar. 17, 1873
		7th standard	2 west	1	1		2	Apr. 24, 1873
		10th standard	3 and 4 east	1	1		2	July 16, 1873
DONATION CLAIMS.								
		6 north	36 east	1	1	1	3	July 9, 1872
		9 north	5 and 6 west	2	2	2	6	July 30, 1872
		20 north	5 east	1	1	1	3	Aug. 24, 1872
		19 north	3 and 4 east.	2	2	2	6	Jan. 17, 1873
		29 north	2 west	1	1	1	3	July 16, 1873

B.—Statement showing original plats made, &c.—Continued.

Exterior boundaries.	Townships subdivided.	Township.	Range.	Original.	General Land-Office.	District land-office.	Total.	When transmitted.
DIAGRAMS.								
		12 and 37 north .....	3 east .....	2	2	2	6	May 1, 1873
		19 north .....	2 and 3 east .....	1	1	1	3	Jan. 17, 1873
		Walla-Walla military reserve .....		1	1	.....	2	
		Total .....		100	100	81	281	

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

C.—Statement showing the number of linear miles run, the rate per mile, and the total cost of surveys in Washington Territory for the fiscal year ending June 30, 1873.

EXHIBIT No. 1.

Description of work.	Distance.	Rate.	Cost.
	<i>Ms. chs. lks.</i>		
Standard lines .....	221 72 50	\$15 to \$18	\$3,384 69
Township lines .....	728 02 35	14 to 16	10,451 76
Section lines .....	3,767 24 16	12 to 14	46,924 14
Meander lines .....	341 16 03	.....	4,451 59
Total number of miles run .....	5,058 35 04	.....	.....
Total cost .....	.....	.....	65,212 98

EXHIBIT No. 2.

Sources from whence payable.	Miles.	Chains.	Links.	Cost.
Appropriation for fiscal year ending June 30, 1873 .....	4,988	58	10	\$64,376 44
Special deposits .....	56	56	94	680 54
Special appropriation for survey of military reservations ..	13	00	00	156 00
Total number of miles .....	5,058	35	04	.....
Total cost .....	.....	.....	.....	65,212 98

EXHIBIT No. 3.

Total cost of surveys .....		\$65,212 98
Deduct amount disallowed on contracts, 1872-'73 .....	\$1,441 45	
Special deposit account .....	680 54	
Military reservation appropriation .....	156 00	
	2,277 99	
		62,934 99

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.



D.—Statement showing the number and designation of the townships, and the number of acres surveyed in Washington Territory during the fiscal year ending June 30, 1873.

No.	Township.	Range.	Meridian.	Areas surveyed.	Remarks.
1	7 north	1 east	Willamette	22,977.80	Complete.
2	8 north	1 east	do	23,103.30	Do.
3	34 north	1 east	do	275.85	Islands.
4	35 north	1 east	do	493.36	Do.
5	37 north	1 east	do	4,853.14	Island.
6	12 north	2 east	do	22,482.11	Complete.
7	37 north	2 east	do	194.36	Island.
8	34 north	3 east	do	16,933.64	Partial.
9	37 north	3 east	do	21,910.81	Complete.
10	40 north	3 east	do	22,603.40	Do.
11	12 north	3 east	do	22,443.87	Do.
12	19 north	4 east	do	23,123.22	Do.
13	31 north	4 east	do	21,802.52	Do.
14	32 north	4 east	do	22,913.74	Do.
15	33 north	4 east	do	22,459.52	Do.
16	34 north	4 east	do	21,983.26	Do.
17	35 north	4 east	do	22,621.52	Do.
18	19 north	5 east	do	22,930.93	Do.
19	20 north	6 east	do	22,961.59	Do.
20	23 north	6 east	do	22,696.31	Do.
21	26 north	6 east	do	22,638.38	Do.
22	12 north	16 east	do	9,759.33	Partial.
23	13 north	16 east	do	23,028.99	Complete.
24	13 north	17 east	do	23,027.90	Do.
25	16 north	17 east	do	22,994.70	Do.
26	15 north	18 east	do	22,956.15	Do.
27	18 north	18 east	do	23,331.57	Do.
28	19 north	18 east	do	23,033.90	Do.
29	15 north	31 east	do	23,027.71	Do.
30	16 north	31 east	do	23,062.07	Do.
31	25 north	31 east	do	22,844.60	Do.
32	16 north	32 east	do	22,949.41	Do.
33	13 north	32 east	do	22,939.81	Do.
34	14 north	32 east	do	22,860.70	Do.
35	25 north	32 east	do	23,026.44	Do.
36	15 north	32 east	do	22,847.43	Do.
37	25 north	33 east	do	23,013.08	Do.
38	25 north	34 east	do	23,175.26	Do.
39	25 north	35 east	do	22,993.35	Do.
40	25 north	36 east	do	23,080.08	Do.
41	25 north	37 east	do	23,069.58	Do.
42	12 north	38 east	do	23,373.81	Do.
43	25 north	38 east	do	23,084.09	Do.
44	26 north	38 east	do	23,108.58	Do.
45	16 north	39 east	do	23,585.55	Do.
46	16 north	40 east	do	23,594.36	Do.
47	10 north	41 east	do	23,064.65	Do.
48	16 north	41 east	do	23,586.55	Do.
49	16 north	42 east	do	23,570.69	Do.
50	16 north	43 east	do	23,541.28	Do.
51	11 north	43 east	do	23,098.91	Do.
52	18 north	43 east	do	23,029.32	Do.
53	17 north	43 east	do	23,035.80	Do.
54	16 north	43 east	do	23,541.28	Do.
55	17 north	44 east	do	23,034.20	Do.
56	18 north	44 east	do	23,027.95	Do.
57	17 north	45 east	do	23,037.81	Do.
58	18 north	45 east	do	23,035.14	Do.
59	23 north	1 west	do	22,664.41	Do.
60	28 north	2 west	do	15,400.46	Do.
61	29 north	2 west	do	20,433.98	Do.
62	8 north	3 west	do	3,142.94	Partial.
63	15 north	3 west	do	5,744.31	Do.
64	14 north	4 west	do	22,741.07	Complete.
65	18 north	4 west	do	22,511.83	Do.
66	20 north	4 west	do	2,272.10	Partial.
67	22 north	4 west	do	18,945.27	Fractional.
68	23 north	4 west	do	19,888.11	Do.
69	8 north	5 west	do	13,566.86	Do.
70	18 north	5 west	do	22,528.74	Complete.
71	31 north	7 west	do	2,795.60	Fractional.
72	9 north	8 west	do	5,864.08	Do.
73	10 north	8 west	do	22,000.71	Do.
74	31 north	8 west	do	8,172.08	Do.
75	40 north	2 east	do	22,411.29	Complete.
	Total number	of acres		1,478,898.50	

W. McMICKEN, Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE, Olympia, Wash., August 15, 1873.

E.—Statement showing the amount and condition of appropriation, and the amount paid on contracts for surveys made for and up to the close of the fiscal year ending June 30, 1873.

No. of contract	Name of deputy.	Estimated amount of contracts.	Amount paid on contracts.	Remarks.
136	Edwin Richardson .....	\$7,560 00	\$1,930 59	Unfinished.
137	Edward Giddings.....	7,560 00	6,335 18	Survey of two townships disallowed; relet to Abbott & Jameson.
138	William R. Ballard .....	1,500 00	1,544 63	Completed.
139	Jesse Richardson .....	6,480 00	4,292 67	Three townships relinquish'd
140	Edgar M. Morgan .....	3,848 00	3,909 67	Incomplete.
141	Smith & Reeves .....	7,242 00	4,356 04	Unfinished.
142	Cornelius & Snow .....	5,034 00	5,697 48	Completed.
143	D. F. & C. N. Byles.....	1,790 00	1,790 87	Do.
144	Z. F. Moody .....	7,026 00	7,024 03	Do.
145	H. N. Stearns .....	804 00	798 72	Do.
146	William Jameson .....	1,608 00	1,690 43	Do.
147	Levi Farnsworth.....	3,810 00	3,809 28	Do.
148	James T. Berry .....	1,800 00	2,262 93	Do.
149	Francis F. Loehr .....	1,872 00	1,609 88	Unfinished.
150	Abner L. Knowlton .....	1,860 00	1,900 67	Completed.
151	G. F. & J. M. Whitworth.....	960 00	1,087 90	Do.
152	Alexander McAndrews.....	1,400 00	2,269 11	Do.
153	Peter W. Crawford .....	600 00	605 80	Do.
154	Samuel E. Brackens .....	1,624 00	1,642 34	Do.
155	William T. Ballou .....	384 00	.....	Annulled.
156	William Jameson .....	3,084 00	3,378 77	Completed.
158	Abbott & Jameson.....	2,934 00	.....	Deputies in field.
160	Edwin Richardson.....	2,148 00	.....	In lieu of three townships relinquished in J. Richardson's contract.
Aggregate amount paid on contracts up to close of report.		.....	62,934 99	

EXHIBIT No. 2.

Amount of appropriation for the fiscal year ending June 30, 1873.....	\$70,000 00
Amount paid on contracts, as per Exhibit No. 1.....	62,934 99
<b>Balance applicable to surveys under incomplete contracts .....</b>	<b>7,065 01</b>

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

F.—Statement showing account of appropriation for salary of surveyor-general of Washington Territory for the fiscal year ending June 30, 1873.

1872.		1872.	
Sept. 30	To account of L. P. Beach, for first quarter's salary.	\$625 00	July 1
Dec. 31	To account of L. P. Beach, for second quarter's salary.	625 00	By amount of appropriation by act of Congress for salary of surveyor-general of Washington Territory for the fiscal year ending June 30, 1873.
1873.			
Mar. 31	To account of L. P. Beach, for third quarter's salary.	625 00	
Apr. 30	To account of L. P. Beach, for salary from April 1 to April 29, 1873, inclusive.	199 18	
	Balance.....	425 82	
		2,500 00	
			2,500 00

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

G.—Statement showing amount of appropriation for compensation of clerks and draughtsmen in the office of the surveyor-general of Washington Territory for the fiscal year ending June 30, 1873.

1872. Sept. 30	To amount paid clerks and draughtsmen, first quarter, as per accounts rendered.	\$1,575 00	1872. July 1	By amount of appropriation by act of Congress for compensation for clerical service in the office of surveyor-general of Washington Territory for fiscal year ending June 30, 1873.	\$7,000 00
Dec. 31	To amount paid clerks and draughtsmen, second quarter, as per accounts rendered.	1,859 78		Balance .....	105 61
1873. Mar. 31	To amount paid clerks and draughtsmen, third quarter, as per accounts rendered.	1,895 83			
June 30	To amount paid clerks and draughtsmen, fourth quarter, as per accounts.	1,775 00			
		<u>7,105 61</u>			<u>7,105 61</u>

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

H.—Statement showing account of office-rent, stationery, fuel, pay of messenger, and other incidental expenses of the surveyor-general's office for Washington Territory for the fiscal year ending June 30, 1873.

1872. Sept. 30	To amount paid during 1st quarter, as per vouchers and accounts rendered.	\$351 00	1872. July 1	By appropriation by act of Congress for the fiscal year ending June 30, 1873.	\$2,000 00
Dec. 31	To amount paid during 2d quarter, as per vouchers and accounts rendered.	440			
1873. Mar. 31	To amount paid during 3d quarter, as per vouchers and accounts rendered.	597 80			
June 30	To amount paid during 4th quarter, as per vouchers and accounts rendered.	475 84			
	Balance subject to bills and accounts unsettled.	134 79			
		<u>2,000 00</u>			<u>2,000 00</u>

W. McMICKEN,  
Surveyor-General, Washington Territory.

SURVEYOR GENERAL'S OFFICE,  
Olympia, Wash., August 15, 1873.

I.—Statement showing estimated amount required for the surveying service in the district of Washington Territory for the fiscal year ending June 30, 1875.

FOR FIELD-WORK.

For surveying extension of standard and meridian lines, 340 miles.....	\$6,120 00
Surveying exterior township lines, 1,080 miles.....	15,600 00
Surveying section and meander lines, 6,300 miles.....	81,000 00
	<u>102,720 00</u>

## FOR OFFICE-WORK.

Salary of surveyor-general.....	\$3,000 00
Salary of chief clerk.....	2,000 00
Salary of draughtsman.....	1,600 00
Salary of two assistant draughtsmen.....	2,800 00
Salaries of three office clerks.....	3,600 00
Rent of office, stationery, fuel, lights, wages of messenger, and other incidental expenses.....	2,000 00
	\$15,000 00
Total estimate.....	117,720 00

W. McMICKEN,  
*Surveyor-General Washington Territory.*

SURVEYOR-GENERAL'S OFFICE  
*Washington Territory, Olympia, August 15, 1873.*

*Q.—Report of the surveyor-general of Wyoming Territory.*

SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 25, 1873.*

SIR: In compliance with your instructions of March 11, 1873, I have the honor to submit herewith, in duplicate, the annual report of the surveying operations of this district for the fiscal year ending June 30, 1873.

The surveys have been pushed forward as rapidly as possible, to the full extent of the means provided by Congress, and in such localities as presented the most immediate necessity for survey.

The great extent of the railroad land-grant through the Territory renders necessary a more extended system of surveys, for a year or two at least, than has been possible under the limited appropriations heretofore made, and I have therefore thought it my duty to urge a larger appropriation, until such time as the most pressing demand for surveys have been met.

My temporary absence from the office during the first part of the present season, and the little time afforded me in connection with other duties, since I again took charge, to prepare my report, will, I trust, excuse me from making it more comprehensive and thorough.

CLIMATE AT CHEYENNE, WYOMING.

I continue herewith the monthly meteorological record, compiled from the records of the United States signal-station at this point. It shows the mean temperature to have been nearly the same as for the preceding twelve months, with some less rainfall, which results from the less amount of snow last winter, than during the preceding winter, which, as stated in my last report, was remarkable for its unusual amount of snow.

The past winter was a very pleasant one, and, as compared with the rigorous season that visited the States east of us, extremely mild.

The trains of the Union Pacific ran regularly, all winter, with scarcely a delay.

As affording an index of the climate of the Territory, the observations at this point are not a fair indication; the exposed and bleak situation, and high altitude of Cheyenne, giving it necessarily more severe weather than is found in the sheltered, low valleys in the central and northern portions of the Territory. Nevertheless, the climate, even here, is much more agreeable than in places of the same latitude east of here, anywhere from the Missouri to the Atlantic Ocean.

Monthly meteorological record for the eleven months ending August 31, 1873, compiled from the records of the United States signal-station at Cheyenne, Wyo.

Month.	Mean barometer, (corrected for temperature and elevation.)	Mean temperature, three daily observations, 5.44 a. m., 2.44 p. m., 9.44 p. m.	Prevailing winds—from what direction.	Total number of miles traveled by wind.	Amount of rain-fall, in inches and decimals.
<b>1872.</b>					
October .....	Inches. 30.29	46° 4	Northwest .....	4,983	.33
November .....	29.95	28° 2	West and northwest .....	2,276	.03
December .....	29.914	23° 4	West .....	6,306	.03
<b>1873.</b>					
January .....	29.831	24° 6	Northwest .....	8,905	.03
February .....	29.778	25° 0	West .....	7,420	.02
March .....	29.911	39° 7	do .....	9,313	.38
April .....	29.91	34° 4	Northwest .....	8,015	.92
May .....	29.854	49° 2	West .....	6,465	p 41
June .....	29.906	65° 0	do .....	5,266	1.77
July .....	30.089	69° 7	do .....	5,584	1.10
August .....	30.112	69° 2	do .....	5,548	2.07

Synopsis for eleven months.

Mean barometer, inches .....	29.965
Mean temperature .....	43° 24
Total amount of rain-fall, inches .....	9.09
Total number of miles traveled by wind .....	76,081

The following table shows the days of extreme temperature during last winter, and the summer which has just ended.

Winter.	Day of month.	Lowest temperature at 5.44 a. m.	Summer.	Day of month.	Highest temperature at 2.44 p. m.	
December, 1872 .....	19	0	June, 1873 .....	16	87	
	20	7		17	86	
	21	1		18	86	
	23	7		20	90	
January, 1873 .....	23	6		21	85	
	27	15		24	88	
	28	16		25	88	
	31	2		26	88	
February, 1873 .....				July, 1873 .....	28	83
					4	87
					5	92
					12	85
					13	88
					14	88
					20	91
					21	86
			3		87	
			12		86	
			19		85	
					August, 1873 .....	

In the winter column above are given all the days in which the temperature went below zero. This occurred only on seven days during the entire winter, which seems almost extraordinary, the fact is so contrary to the accepted eastern idea of winter on the plains.

The summer column shows all the days on which the temperature went to 85° or over, and I will add that it has been the warmest summer for some years, so far as the records show.

There seems to be but little doubt that a revolution in the climate is being gradually developed, and that in the course of years, and as settlement, and tillage, and irrigation bring their several tendencies to work on the elements, the climate will become radically changed. This has been already observed in Utah, where for the past ten years a gradual and regular increase of some 3 inches *annually* has taken place in the rainfall; and with the same causes to produce the result, it is not unlikely that that belt of the "Great American Desert" which stretches through Wyoming on the line of the Union Pacific may much of it be redeemed from barrenness, under the action of the increasing moisture. There are millions of acres now lying waste, the soil of which is excellent, if it could only get water.

For the meteorological data from which to compile the foregoing tables I am under obligations to Mr. Asa C. Dobbins, the efficient officer in charge of the War Department signal-station at Cheyenne.

#### SHEEP-RAISING.

This industry is increasing within this Territory in a most gratifying ratio. Its success and profitableness are already well established. Last winter was far more mild and even in temperature in Wyoming than in the States of the Valley of the Mississippi north of the latitude of Saint Louis. Far less snow also fell here than there. It is necessary to provide low sheds for the protection of the sheep against snow-storms, and to secure them within corrals at night; when snow-storms occur, it is necessary to retain them under their sheds within the corral for twenty-four hours, perhaps, and rarely longer, during which time they will require to be fed some hay only.

We are informed by Messrs. Thomas and Hay, whose ranch is on Lone Tree Creek, nine miles southwest of Cheyenne, that they were obliged to feed hay to their flock of 1,500 but three days last winter, or during three snow-storms. One occurred the first week in February, one the 13th of April, and the third on the 8th or 9th of May, which gave the deepest snow, and was the most harmful to sheep, because the season for lambs had commenced, and the sheep are lower in flesh at this time of the year when the new grass begins to appear.

The bucks should be let to the ewes about the 15th to the 20th of December, and the lambs will appear about the same dates in May. The increase of a well-selected flock of sheep is very rapid. The lambs are healthy, and but few die. Mr. Clark, on Laramie River, raised 1,500 lambs this season from a flock of 2,000 sheep. The valleys along the eastern base of the mountains are the most suitable for sheep in winter.

We know of no business more inviting to industrious and persevering young men than this, in regard to certain profits and eventual wealth.

#### STOCK-RAISING.

This branch of Wyoming industry is increasing constantly, and advances at a healthy pace. Public confidence is now well established in its safety and lucrativeness.

Stock-ranches, with large herds, are now to be found along every stream and valley reaching down from the eastern base of the mountains, from the Colorado line north to the North Platte at Fort Laramie, beginning at Lone Tree Creek, south, and including, on the way northward, Crow, Lodge Pole, Bear, and Horse Creeks, and the Chugwater and Laramie Rivers, and Sybille Creek.

The herds of Mr. J. W. Iliff, of this city, now number 15,000 head, 3,000 of which are calves. His beef-cattle, to the number of this increase, or even more, will be shipped eastward for the Chicago market, and for being corn-fed in Illinois and other places this winter. Mr. Iliff's practice has been to keep the number of his herds up to about 12,000; and when his fall sales decrease his number much below that figure, he replenishes by the purchase of more Texas cattle, which are annually brought here for sale, in large droves. This Texas stock is here crossed with the Durham and Devon bull, and the calves, when six months old, are not excelled by any similar stock in any of the States for size and fine appearance. The owners generally live here in the city, while the herders occupy the ranches and watch over the stock.

The native grass along the streams is mown for winter use, though scarcely touched for feed during an open winter like the last. Even in more severe winters it is not fed to the herds, except after a snow-storm of more than usual severity. No sheds or barns are used for cattle. But in severe weather the herds are kept in the most sheltered places along the bluffs and high ridges.

The plains, which skirt the eastern base of the mountains for a hundred or more miles in width east and west, afford the most desirable ranges for stock. They are not only 1,200 to 1,500 feet less in altitude than the Laramie plains, but afford more grass over a given space, and the winter is less severe upon them.

This is a safe and most profitable business, but requires the use of capital in proportion to the extent to which it is carried.

After a herd of from 500 to 1,000 or 2,000 has been obtained and paid for, and the ranch quarters provided, there is very little expense except for a few trusty herdsmen. No large tracts of land to be purchased and fenced; no large amount of food to be provided for winter, nor extensive barns and sheds; nor heavy taxes on large amounts of real estate. But for the young man of small means, the dairy ranch, or the raising of sheep, is the most profitable, and affords the speediest return to the owner. A flock of sheep, well selected and cared for, will nearly double yearly by increase of number.

#### CEREALS.

These can be raised along the streams and valleys of Eastern and Northern Wyoming if sown early and receive irrigation.

We have seen good oats raised this season in the valley of Lone-Tree Creek, upon the ranch of Mr. Alfred M. Rogers, without irrigation; also fine roasting-ears of green-corn without irrigation. Roasting-ears have been raised in the gardens of Cheyenne, with very little irrigation, this season.

Wheat, barley, and oats will be raised in our valleys when the small farmers shall be able to fence off fields against the inroads of stock, and it will pay them better than to pay transportation over the railpad from Nebraska. Our soils are the same as those of Colorado, and the public already know that the flour from Colorado wheat is the whitest known to commerce.

The valleys of the North Platte and Laramie Rivers, east of the mountains, will become as famous for fine wheat, barley, and oats, as those of the South Platte, in Colorado.

The wheat raised in Wind River Valley, in Northwestern Wyoming, is already proven to be equal in yield and quality to that of Utah or Colorado. That valley will eventually produce all the cereals and vegetables needed for the support of the gold-mining population of Sweetwater, even when those mines take that rank in the mining world which they are destined to do, at no distant day.

#### VEGETABLES AND SMALL FRUITS.

Our inhabitants remain strangely inattentive to the raising of vegetables and small fruits. There is no good reason why our market should not be fully supplied with these products, raised here at home, instead of relying upon the farmers of Nebraska, or even of the valley of the Cache la Poudre, only fifty miles south of here, and only 500 feet less altitude than Cheyenne.

It is now the 23d of September, and no frost sufficient to do much harm has yet appeared. One light frost, a few days since, wilted the corn-blades and the ends of the potato-vines; but the season has been remarkably favorable for the growth of vegetables, on account of frequent light showers and the late appearance of frost.

We clip the following pertinent remarks on this subject from the Cheyenne Daily Leader of the 22d of September, (yesterday):

"We have been presented with a basket-full of sweet-potatoes, grown in the garden of M. V. Boughton, mayor of Cheyenne. These potatoes were nice, large, healthy-looking esculents.

"We were informed by Mayor Boughton that he has raised in his garden in this city all manner of vegetables usually produced in this latitude, and that they were as fine as he ever saw produced elsewhere. He also was successful in the raising of strawberries."

On the 7th of August, 1870, a frost occurred here that killed the potato-vines and injured the specimen-patches of oats and barley then growing; but that was an anomalous season, and has not occurred since. Even in that year the oats, wheat, and barley would not have suffered material harm if they had been sown upon deeply-plowed ground, and before the close of April.

Mayor Boughton informs me that he had new potatoes upon his table on the 4th of July last of nearly full-grown size, which goes to prove that early planting will insure a crop of potatoes, even if frost in August should sometimes appear.

We ate at Mr. A. M. Rogers's ranch, on the 21st of September, green-corn, cucumbers, squash, beets, potatoes, &c., grown alongside of Duck Creek—a spring branch—without irrigation, and on an elevation of 6,000 feet above sea-level.

With irrigation large crops of potatoes, cabbage, onions, and beets can be grown in these valleys every year.

There is no reason why small fruits should not be grown here, for the wild cherry, currant, and gooseberry are found in considerable abundance in sheltered places along the creeks and about the cañons.

The hardy varieties of the gooseberry, currant, blackberry, and raspberry can be grown here by laying down or mulching the stalks in winter. So with the strawberry; it would need mulching both in fall and winter, and it could be made to yield bountifully with a little extra attention.

Mayor Boughton tested this point this summer, having raised fine strawberries in his garden in Cheyenne, with occasional light irrigation.

Now that we have a fine lake of water a mile and a half north of Cheyenne, that, with a small cost, can be made to flow into the gardens of our city, there is no reason why every housekeeper should not have a garden with beds of strawberries and patches of raspberries that would furnish abundant fruit for the table every summer.

Those who might fear an inconstant supply of water from the lake could at very small cost have erected in their gardens a small wind-mill that would pump abundance of water from the well to irrigate a large garden. This plan is largely practised in the city of Stockton, Cal., and many other towns in that State.

Dr. Corey and Mr. M. A. Arnold have lately set the example here, and if followed up every person could have a garden every season filled with vegetables and small fruits and flowers, blossoming not only like the rose, but with the rose itself, as we see in Salt Lake City.

I shall never forget what acres of beautiful flowers, interspersed with wild clover and strawberry-vines, I saw amid the snow-peaks of the Medicine Bow Mountains, west of Laramie City, on the 14th of last August, nearly 11,000 feet above sea-level. The same could be imitated in the gardens in Cheyenne, at only 6,040 feet above the sea.

#### SILVER MINES.

The silver mines of Wyoming are increasing in number and improving in the quality of ore.

Some discoveries have been made this season near Granite Cañon Station, but the top of the lodes furnish only a low grade of ore, say not over \$50 per ton.

The metamorphic rocks on the eastern side of the Laramie Mountain are favorable for the presence of silver lodes, but the surface is so covered with *débris* as to discourage general prospecting. No doubt good lodes will be discovered along that belt of the mountain between Granite Cañon and Buford, about seven miles in width, extending north and south.

Farther north, along Sybille Creek, and round about Laramie Peak, the gneissoid rocks are largely developed, and constitute the chief formation. But their proximity to the small prowling squads of Indians that infest the borders of the Sioux reservation north of the Platte deters miners from attempting exploitation for mineral veins in that section. Now that the Red Cloud agency is moved north of the Platte, seventy-five or more miles, it will be measurably safe next season for miners. Numerous gold and silver mines will be found in that quarter when fairly explored. The formation is quite similar to the Seminoe Mountains, eighty miles farther west.

The gold and silver lodes of the Seminoe Mountains, including the Ernst and Ferris mining districts, have improved materially in richness, showing higher grades of ore since my last annual report. The Vulcan Mining Company sent in some ore for assay a week since, which the assayer informs me will yield \$200 of silver to the ton of ore, and about 70 per cent. of galena. The specimens were from the Maria and Matilda Jane lodes. If the mass of ore averaged that rich per cent. it would very nearly, if not quite, equal the famous Emma mine of Utah. But no doubt these were selected specimens, yet they indicate a most favorable improvement in the grade of those ores.

Good lodes of silver ore no doubt exist around the base of the Wind River Mountain, at the head of Sweetwater River, and west of the gold-bearing gneissoid slates at South Pass and Atlantic cities. We noticed indications of good silver lodes there two years ago, when visiting that locality.

I have omitted to state that I discovered a small silver vein in the red sienite, near Buford, on the Union Pacific Railroad, last fall. It is no doubt a mere branch to a main lode, such as Mr. Woodman followed 90 feet before reaching the main deposit of the great Emma mine. We examined that wonderful phenomenon three years ago last June, just after Mr. Woodman and his partner had reached the mother lode by following the half-inch seam of ore.

In my last report I referred to the remarkable formation of the Medicine-Bow Mountain, its whole central portion being a vast mass of quartzite.

Last month, in company with Judge Kingman and Edward Ivinson, esq., I made a trip to the snow-crest of that mountain, from its eastern base due west to its crest, passing across all the formations of the eastern slope.

Travelers on the Union Pacific Railroad, when halting at Sherman, can plainly see the snow-crests of Medicine-Bow Mountain, eighty miles due westward, across the south end of the Laramie Plains. Those snows cover the central portion of this vast development of quartzites. The richest silver lodes are found in the quartzites. It is so at Pioche, at Parley's Park, and various places in Utah.

I found the formation frequently intersected with north and south belts or dikes of gray gneiss, black gneiss, and red sienite, but that whole eastern face of the mountain is so generally covered with debris that no vertical vein fissures have yet been found in the quartzite. Veins ought to exist in connection with the dikes of metamorph-



rock, and we found two very persevering miners at work there, whose prospects showed the presence of silver ore, but no assays had been made then to test the grade or quality.

Mr. D. D. Wolff, who has been prospecting upon that mountain for a year or more, and who was then at work on the western slope, in the quartzite, and whom we would have visited but for a severe rain and thunder storm which we encountered four miles out from the other miners' camp, assures me since that he has discovered an immense "contact vein" on the western slope near French Creek, which I ascended last fall from the west. The specimens of ore shown to me indicate gold rather than silver. It remains yet to be proven how far this immense formation of quartzite will yield argentiferous lodes. While it appears too white and sacheroidal in texture to contain vertical fissure lodes of chloride ores of silver, the dikes of metamorphic rock may have brought up valuable deposits of ore.

The metamorphic rocks which flank the north end and southeast part of this mountain present veins resembling gold-bearing quartz, and placer gold is found in Rock and Douglass Creeks which cut these formations.

The silurian line-rock formation, which is over a mile in thickness on the Wasatch Mountain, where the Emma and other rich argentiferous galena mines are found, is not much developed in southern Wyoming, and cannot therefore contain much ore.

Dr. Hayden says there is half a mile in thickness of this rock north of Laramie Peak, and it is confidently hoped that rich veins of argentiferous galena will be found there when carefully sought for.

#### GOLD MINES.

We have not been able to obtain the gold product of this Territory for the past year. It is known, however, that the best class of gold lodes in the Sweetwater district are constantly improving in yield as they increase in depth, and that the product this year has been quite satisfactory.

The owners of the Ernst gold mine, in the Seminoe Mountains, have erected a stamp-mill this year for the crushing of gold quartz and the elimination of the gold, and we learn from the miners there that the lode has much improved in yield since last year.

The placer gold-diggings known as the "Last Chance mines," situated at the head of Douglass Creek, in the southeastern part of Medicine-Bow Mountain, have been worked this summer with favorable results. The claimants have taken up three miles of the bed of the creek, under the late placer-claim law of the United States, and have organized a company thereon with a capital stock of \$500,000. We look upon this as a scheme for speculation, that will result in no good to the small stockholders, nor to the community nearest to the scene of operations. These mines, worked judiciously, with a reasonable capital which a few practical men could have provided, would probably pay a good profit on the investment. But fancy stock-jobbing companies are a curse to new mining-districts, and we fear will prove a failure in this instance.

#### A NEW GOLD DISTRICT

has been organized on Clark's Fork of the Yellowstone, in Northwestern Wyoming, the present year. The existence of rich gold-deposits in this neighborhood has been known for years, and many rich specimens have been obtained from there by Indians and hunters, but the danger from Indian hostilities has prevented any systematic prospecting from being done there heretofore. A camp of miners have gone in there from Montana this season, and organized the "New World Mining district," and hope to be able to make some rich discoveries. A mineral deputy surveyor has been appointed by this office for the district, and the governor of the Territory has appointed a notary public there at the request of the miners. There is great confidence felt in the enterprise, and it is not unlikely that another season will see a rich and prosperous camp as the result of the present undertaking.

#### UNITED STATES ARTESIAN WELL.

This well is being sunk at Fort D. A. Russell, three miles from Cheyenne, at the expense of the Government. It is now down 750 feet deep, as we are informed. It was commenced last year, but having caved in for want of tubing at proper depths, the sinking has been interrupted. It is now tubed the whole length, but its caliber is so small at top that it will not be practicable to sink and tube it much below its present depth. We are informed that some small pieces of coal have been found near its present depth, in clay or shaly matter, that denotes nearness to coal strata. The well has gone to this depth through loose rock and clay beds, indicating that it has not yet reached the bottom of the tertiary formation, where the lignite coal-beds of Wyoming are usually found.

We have heretofore contended that the coal-deposits of Wyoming extended along the eastern base of the mountain, as may be seen at Boulder and Golden City, in Colorado. The upheaval of the mountain occurred principally subsequent to the coal-deposit, and ruptured the great coal-basin which once extended from Cheyenne or vicinity to the Wasatch Mountain, in Utah. The conglomerate stratum, which is generally found just above the coal-beds, is seen on the borders of Crow Creek, well up towards the mountain, eighteen miles west of Cheyenne; and we urged General Sickles, superintendent of the Union Pacific Railroad, to bore there last fall for coal, in the belief that at about 200 feet in depth coal would be reached. The present depth of the well shows more dip of the strata in the twenty miles between Cheyenne and the mountain than we had supposed to exist. If coal-beds exist, they will be pierced before entering the harder strata of the cretaceous formation, which may furnish a flow of good water. None but surface-water has yet been found. It is greatly to be hoped that the well will be extended down into the sandy strata of the cretaceous series, now not far below its present depth.

#### NEEDED NARROW-GAUGE RAILROADS.

The citizens of Wyoming have been anxiously striving for the past three years to obtain the right of way and other franchises from Congress for a railroad along the eastern base of the mountains, northward from Cheyenne to the Yellowstone and Bozeman in Montana. But for some reason our delegate in Congress failed to do his duty towards us at the National Capital—and the measure was not carried.

The great Iron Mountain by the side of this route, and the precious minerals that will soon be produced in the vicinity of Laramie Peak, and further on, from the Big Horn Mountains, to say nothing of the immense deposits of coal and valuable timber along this line, will very soon demand the building of this road. There is no reason why it should not be as practical and profitable to build a narrow-gauge railroad from here to Fort Fetterman, one hundred and thirty miles, as from Denver south to Pueblo; and the capital could be procured for the enterprise, if handled by men of integrity and practical energy. And by the time it had reached Fetterman on the North Platte, there is no doubt but the Indians would consent to its extension to the Yellowstone. Montana and Wyoming should unite with great zeal and earnestness for the inauguration and prosecution of this enterprise, as the Northern Pacific may now be delayed in reaching Montana for many years, and this is far the most direct and practical outlet for Montana to the great centres of finance and trade.

Another route toward Montana, perhaps equally important and practicable, is from Fort Steele or Rawlins, on the Union Pacific Railroad, to the Whisky Gap in the Seminoe Mountains—thence up the Sweetwater River to the Sweetwater gold mines—thence north into the Wind River Valley—and thence through the most practicable pass into the Yellowstone National Park, and hence to Bozeman in the Gallatin Valley.

This route is known to be highly practicable as far as the Wind River Valley—and Captain Jones of the United States Army has just returned from a summer reconnaissance of the mountains between Wind River and Big Horn Valleys on the east, and the Yellowstone Park basin on the west. He also proceeded over to the waters of Clark's Fork in northwestern Wyoming, where there are valuable gold discoveries, and a new mining district formed this year, with all the requisite officials and prospectors.

A railroad on this route would accommodate the mines of the Seminoe Mountains, the gold mines of Sweetwater, the mines that exist in the Wind River range, the mines of Clark's Fork and the gold mountains east of Yellowstone Lake.

It would also convey the sight-seeing and health-seeking summer travel of the whole continent to the already far-famed Yellowstone National Park, and immediately prove a paying investment. We expect to be favored this winter with a full and interesting report of the mountains and valleys and practicable passes of northwest Wyoming, from Captain Jones.

Of the Wyoming route to the National Park the Chicago Tribune correspondent comments very favorably. It is generally believed, he says, "That there will be a good stage-road built from some point on the Union Pacific Railroad, near Bryan, up through the country, and along the east side of the Wind River Mountains to the Yellowstone Lake, and thence on to Bozeman, in Montana. The feasibility of such a road has been demonstrated beyond a doubt, and it will be of the utmost importance to the people of Montana. The Yellowstone region is full of curiosities, so much so that a portion of it has been set aside by Congress as a national park. This park is of magnificent proportions, and years hence will be considered one of our greatest national treasures. In this region, too, excellent gold mines have been discovered, and it has always been the belief of old and experienced mountain men and miners that the country about the headwaters of the Yellowstone contains more and better gold mines than any other part of the Union. A fort will be established up in the mountain country for the protection of the road; and then tourists, settlers, and summer visitors will commence flocking

to this magnificent region. Such a road has, until lately, been considered entirely out of the question, but Captain Jones, of the Engineers, has found it can be built with comparatively little labor and cost."

## ACCOMPANYING DOCUMENTS.

A.—Statement of surveys contracted for under the appropriation of \$40,000 made by act of Congress approved June 10, 1872, for surveying the public lands in Wyoming Territory, showing the condition of said surveys at the close of the fiscal year ending June 30, 1873.

B.—Statement of townships surveyed in Wyoming Territory, of which the field-notes have been returned, examined, and approved during the fiscal year ending June 30, 1873.

C.—Statement of amount paid surveyor-general and clerks in his office for the fiscal year ending June 30, 1873, and incidental expenses for the same period.

D.—Statement of coal-lands surveyed in Wyoming Territory from June 30, 1872, to June 30, 1873, as shown by the official plats.

E.—Estimate of appropriations required for the surveying service in the Territory of Wyoming for the fiscal year ending June 30, 1875.

Very respectfully, your obedient servant,

SILAS REED,  
*Surveyor-General of Wyoming.*

Hon. WILLIS DRUMMOND,  
*Commissioner General Land-Office, Washington, D. C.*

A.—Statement of surveys contracted for under the appropriation of \$40,000 made by act of Congress approved June 10, 1872, for surveying the public lands in Wyoming Territory, showing the condition of said surveys at the close of the fiscal year ending June 30, 1873.

No. of con-tract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
33	1872. June 19	J. Wesley Hammond.	The exterior lines of townships 17, 18, 19, and 20 north, of ranges 65, 66, 67, and 68 west; the subdivisional lines of fractional township 16 north, of range 60 west, and of townships 15 and 16 north, of ranges 61 and 62 west.	The surveys under this contract have been completed and paid for, amounting to \$4,627.12.
34	June 24	Alfred M. Rogers....	The subdivisional lines of townships 21 and 23 north, of ranges 78 and 80 west.	Completed and paid for, amounting to \$2,399.83.
35	June 25	Edwin James .....	The subdivisional lines of townships 21 and 23 north, of ranges 77 and 79 west.	Completed and paid for, amounting to \$2,397.93.
36	June 25	Mortimer N. Grant and William O. Downey.	The fifth standard parallel, between the tenth and eleventh guide meridians; the eleventh guide meridian, between the fourth and fifth standard parallels; the exterior lines of townships 13, 14, 15, and 16 north, of range 78 west, and of townships 17, 18, 19, and 20 north, of ranges 83, 84, 85, 86, 87, and 88 west; the subdivisional lines of township 15 north, of range 76 west.	Completed and paid for, amounting to \$4,844.45. Under authority of the Commissioner of the General Land-Office, the deputies were released from the survey of the exterior lines of townships 13, 14, 15, and 16 north, of range 78 west, embraced in this contract.
37	June 26	Henry G. Hay.....	The exterior lines of townships 21, 22, 23, and 24 north, of ranges 65, 67, and 69 west; the subdivisional lines of townships 21, 22, 23, and 24 north, of range 66 west, and of township 24 north, of range 68 west.	Completed and paid for, amounting to \$4,536.26.
38	June 26	John B. Thomas.....	The exterior lines of townships 21, 22, 23, and 24 north, of ranges 66 and 68 west; the subdivisional lines of townships 21, 22, 23, and 24 north, of range 67 west, and of townships 23 and 24 north, of range 69 west.	Completed and paid for, amounting to \$4,621.06.

A.—Statement of surveys contracted for under appropriation of \$40,000, &c.—Continued.

No. of contract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
39	1872. July 29	Henry T. Albright ..	The subdivisinal lines of townships 17, 18, 19, and 20 north, of range 65 west, and of township 20 north, of range 66 west.	Completed and paid for, amounting to \$3,004.22.
40	Aug. 17	Edwin James .....	The subdivisinal lines of township 20 north, of range 67 west, and of townships 17, 18, 19, 20, and 21 north, of range 68 west.	Completed and paid for, amounting to \$3,599.79.
41	Aug. 17	Alfred M. Rogers....	The subdivisinal lines of townships 17, 18, and 19 north, of ranges 66 and 67 west.	Completed and paid for, amounting to \$3,587.35.
42	Aug. 21	J. Wesley Hammond.	The subdivisinal lines of townships 13 and 14 north, of range 70 west.	Completed and paid for, amounting to \$1,213.03.
43	Oct. 1	Stephen W. Downey.	Eighteen miles of the thirteenth guide meridian north of the fourth standard parallel; the exterior lines of townships 17, 18, and 19 north, of range 105 west; the subdivisinal lines of township 19 north, of range 105 west.	Completed and paid for, amounting to \$1,301.02.
	Nov. 26	John B. Thomas*....	The extension of the subdivisinal lines of townships 13 and 14 north, of range 66 west, through the town-site of Cheyenne.	Completed and paid for, amounting to \$59.
44	1873. April 21	Mortimer N. Grant..	The subdivisinal lines of townships 15 and 16 north, of range 70 west; township 13 north, of range 71 west; and townships 13 and 14 north, of range 73 west.	Surveys in progress.
45	May 30	William O. Downey .	The fifth standard parallel, between the eleventh and twelfth guide meridians.	Survey in progress.

\* Special instructions.

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 25, 1873.*

B.—Statement of townships surveyed in Wyoming Territory, of which the field-notes have been returned, examined, and approved during the fiscal year ending June 30, 1873.

Township.	Range.	Area, (acres.)	Remarks.
13 north	70 west	23,480.59	
13 north	76 west	22,993.22	
14 north	70 west	23,521.90	
14 north	76 west	22,447.31	
15 north	61 west	23,051.10	
15 north	62 west	23,124.70	
15 north	76 west	21,933.42	
16 north	60 west	17,299.35	Fractional by Nebraska boundary.
16 north	61 west	23,179.29	
16 north	62 west	23,113.31	
17 north	65 west	22,973.63	
17 north	66 west	22,738.29	
17 north	67 west	22,828.10	
17 north	68 west	23,117.90	
17 north	69 west	23,051.66	
17 north	70 west	23,253.29	
18 north	65 west	22,951.66	
18 north	66 west	23,032.51	
18 north	67 west	22,947.20	
18 north	68 west	23,078.66	
18 north	69 west	22,967.69	
18 north	70 west	23,122.87	
19 north	65 west	23,122.17	
19 north	66 west	23,118.71	
19 north	67 west	23,064.59	
19 north	68 west	22,902.02	
19 north	73 west	23,152.28	
19 north	78 west	22,955.93	
19 north	105 west	22,964.52	
20 north	65 west	23,318.07	
20 north	66 west	23,227.56	
20 north	67 west	23,053.51	
20 north	68 west	22,605.72	
20 north	78 west	22,263.19	
21 north	66 west	23,016.97	
21 north	67 west	22,978.54	
21 north	68 west	23,056.30	
21 north	73 west	23,102.15	
21 north	74 west	23,055.99	
21 north	77 west	22,997.91	
21 north	78 west	22,948.72	
21 north	79 west	22,994.55	
21 north	80 west	22,969.95	
22 north	66 west	23,057.94	
22 north	67 west	22,801.83	
22 north	73 west	23,051.77	
22 north	74 west	23,277.09	
23 north	66 west	23,072.22	
23 north	67 west	22,898.25	
23 north	69 west	23,050.70	
23 north	73 west	22,705.38	
23 north	77 west	23,054.87	
23 north	78 west	23,071.65	
23 north	79 west	22,897.01	
23 north	80 west	23,097.57	
24 north	66 west	23,318.55	
24 north	67 west	23,146.11	
24 north	68 west	23,065.78	
24 north	69 west	22,923.81	
13 north	66 west	226.78	These amounts are additions to the townships designated, arising from the extension of the subdivision lines through the town-site of Cheyenne.
14 north	66 west	1,224.83	
14 north	67 west	45.73	

RECAPITULATION.

		Area in acres.
Number of townships surveyed	59	1,353,345.73
Number surveyed per previous reports	82	1,826,543.09
Total surveyed to June 30, 1873	141	3,179,888.82

SILAS REED,  
Surveyor-General of Wyoming.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Cheyenne, Wyo., September 25, 1873.

C.—Statement of amount paid surveyor-general and clerks in his office for the fiscal year ending June 30, 1873, and incidental expenses for the same period.

Date.	To whom paid.	Amount.	Appropriation—	Amount.
1872.				
Sept. 30	Silas Reed, surveyor-general....	\$750 00	Of May 8, 1872, for compensation of surveyor-general....	\$3,000 00
	Charles J. Reed, chief clerk.....	450 00		
	Leverett C. Stevens, clerk.....	375 00	Of May 2, 1872, for compensation of clerks.....	4,000 00
	Richard Blackstone, draughtsman.....	375 00		
	Adrian J. Parshall, assistant draughtsman.....	19 56	Of June 10, 1872, for compensation of clerks.....	2,000 00
Dec. 31	Silas Reed, surveyor-general.....	750 00		
	Charles J. Reed, chief clerk.....	450 00	Amount drawn for fund created by individual deposits.....	7 46
	Leverett C. Stevens, clerk.....	375 00		
	Richard Blackstone, draughtsman.....	375 00		
	Adrian J. Parshall, assistant draughtsman.....	300 00		
1873.				
March 31	Silas Reed, surveyor-general....	750 00		
	Charles J. Reed, chief clerk.....	450 00		
	Leverett C. Stevens, clerk.....	375 00		
	Richard Blackstone, draughtsman.....	375 00		
	Adrian J. Parshall, assistant draughtsman.....	300 00		
June 30	Silas Reed, surveyor-general....	123 63		
	H. Latham, surveyor-general....	626 37		
	Charles J. Reed, chief clerk.....	148 35		
	Leverett C. Stevens, chief clerk.....	425 27		
	Richard Blackstone, draughtsman.....	375 00		
	Adrian J. Parshall, assistant draughtsman.....	350 00		
	Walter R. Havenner, clerk.....	185 44		
	Charles A. Caton, clerk.....	157 69		
	Thomas M. Fisher, clerk.....	140 15		
		9,007 46		9,007 46
	INCIDENTAL EXPENSES.			
1872.				
Sept. 30	For first fiscal quarter.....	385 47	Appropriation of June 10, 1872, for incidental expenses.....	2,500 00
Dec. 31	For second fiscal quarter.....	373 09		
1873.				
March 31	For third fiscal quarter.....	229 72		
June 30	For fourth fiscal quarter.....	1,339 07		
	Balance reverting.....	112 65		
		2,500 00		2,500 00

SILAS REED,  
Surveyor-General of Wyoming.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Cheyenne, Wyo., September 25, 1873.

D.—Statement of coal-lands surveyed in Wyoming Territory from June 30, 1872, to June 30, 1873, as shown by the official plats.

Township in which contained.	No. of acres.
Township 21 north, range 79 west .....	320. 00
Township 21 north, range 80 west .....	320. 00
Township 23 north, range 80 west .....	6, 379. 90
Township 19 north, range 105 west .....	22, 964. 32
<b>Total .....</b>	<b>29, 984. 42</b>
Amount in previous report .....	44, 016. 90
<b>Aggregate of coal-lands surveyed to date .....</b>	<b>74, 001. 32</b>

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 25, 1873.*

E.—Estimate of appropriations required for the surveying service in the Territory of Wyoming for the fiscal year ending June 30, 1875.

For extending the standard meridian lines to cover the limits of the land-grant of the Union Pacific Railroad, and for surveying township and subdivisioinal lines of agricultural, grazing, coal, iron, and timber lands within and adjoining the same .....

	\$70, 000
For salary of surveyor-general .....	3, 000
For salaries of clerks .....	7, 600
For rent, fuel, stationery, messenger, and incidental expenses .....	2, 500
<b>Total .....</b>	<b>83, 100</b>

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., August 5, 1873.*

No. 1.—*Tabular statement showing the number of acres of public lands surveyed in the following land States and Territories up to June 30, 1872, during the fiscal year, and the total of the public land surveyed up to June 30, 1873; also, the total area of the public domain remaining unsurveyed within the same.*

Land States and Territories.	Areas of public land in States and Territories.		Number of acres of public lands surveyed up to June 30, 1872.	Number of acres of public lands surveyed prior to June 30, 1872, not heretofore reported.	Number of acres of public lands surveyed within the fiscal year ending June 30, 1873.	Total of public lands surveyed up to June 30, 1873.	Total area of public lands remaining unsurveyed, and, of course, unopened and unappropriated, of the area of private land-claims surveyed up to June 30, 1873.
	In acres.	In square miles.					
Wisconsin	34,511,360	53,924	34,511,360			34,511,360	
Iowa	35,223,800	55,045	35,223,800			35,223,800	
Minnesota	55,459,240	83,531	32,187,405	46,092.30	a2,399,136.81	34,632,634	18,827,206
Kansas	52,043,521	81,318	39,579,685	389,613.51	63,464,229.04	43,453,507	8,610,013
Nebraska	45,636,900	75,995	25,233,822		e4,417,397.66	29,651,220	18,965,580
California	120,947,840	188,981	36,132,323		1,226,784.73	37,633,106	83,314,734
Nevada	71,737,741	112,020	6,165,680		1,234,731.59	7,420,412	64,317,329
Oregon	60,975,360	95,274	12,250,795		d1,319,140.68	13,746,044	47,229,316
Washington Ter	44,796,160	69,994	7,031,598		1,360,451.00	8,414,301	36,381,859
Colorado Ter	66,880,000	104,500	10,978,901		2,298,401.12	13,277,302	53,602,698
Utah Ter	54,065,075	84,476	4,582,104		545,583.63	5,127,698	48,937,377
Arizona Ter	72,906,304	113,910	4,468,675	23,003.61	302,900.15	2,794,579	70,111,725
New Mexico Ter	77,568,640	121,301	4,422,975		391,341.22	4,800,410	72,768,230
Dakota Ter	96,595,240	150,932	7,441,462		e2,235,369.29	9,677,359	86,918,581
Idaho Ter	55,228,160	86,294	2,364,805		35,826.50	3,047,217	52,180,943
Montana Ter	99,016,640	143,776	3,530,908		g1,473,917.75	5,027,313	93,989,327
Wyoming Ter	62,645,120	97,823	1,854,343	249,932.11	1,193,395.68	3,297,671	59,347,449
Missouri	41,624,000	65,350	41,624,000			41,624,000	
Alabama	32,462,080	50,722	32,462,080			32,462,080	
Mississippi	30,179,840	47,156	30,179,840			30,179,840	
Louisiana	26,461,440	41,346	23,690,877	4,863.33	172,377.96	23,868,118	2,593,322
Arkansas	33,406,720	52,198	33,406,720			33,406,720	
Florida	37,931,520	59,268	28,092,409	50,739.51	730,103.68	28,823,252	9,058,268
Ohio	25,576,960	39,964	25,576,960			25,576,960	
Indiana	21,637,760	33,809	21,637,760			21,637,760	
Michigan	36,128,640	56,451	36,128,640			36,128,640	
Illinois	35,462,400	55,410	35,462,400			35,462,400	
Indian Ter	44,154,240	66,991	8,947,473	1,270,575.12	h4,996,243.97	15,214,292	28,939,948
Alaska	369,529,600	577,390					369,529,600
Total	1,834,998,400	2,867,125	583,364,780	2,701,983.06	30,488,132.83	616,554,895	1,218,443,506

- (a) Of the surveys in Minnesota 12,194.73 acres of the Fond du Lac Indian reservation were subdivided into legal subdivisions, under treaty of September 30, 1855, with the Chippewas.
- (b) Of the surveys in Kansas 4,862.84 acres are of the Sac and Fox Indian reserve, under treaty of March 6, 1861.
- (c) Of the surveys in Nebraska 9,548.24 acres are of the Sac and Fox Indian reserve, under treaty of March 6, 1861, and 48,430.06 acres of the Pawnee Indian reserve, under treaty of September 24, 1857.
- (d) Of the surveys in Oregon 89,029.21 are of the Klamath Indian reserve, treaty October 14, 1864; 23,205.77 acres of the Warm Springs Indian reserve; 9,005.44 acres of the Coast Range Indian reserve.
- (e) Of the surveys in Dakota Territory 53,330 acres are Yankton Sioux Indian lands, subdivided into 49-acre lots, of April 19, 1858, Stats., vol. 11, p. 743.
- (f) Of the surveys in Idaho Territory 55,536.44 acres are Nez Perce Indian lands, surveyed into 30-acre tracts, vide Art. 3 treaty June 9, 1863, U. S. Stat., vol. 14, p. 648.
- (g) Of the surveys in Montana Territory 215,907 acres are the Flathead, Kootenay, and Upper Pend d'Oreilles Indian reservation, treaty July 16, 1855, opened for settlement by act of Congress approved June 5, 1872, U. S. Stat., vol. 17, p. 226.
- (h) Of the surveys in Indian Territory 573,945.16 acres are Pottawatomie lands, per Art. 1 treaty February 27, 1867, Stats., vol. 15, p. 531, surveyed into 40-acre tracts, and 4,422,938.81 acres of the Cherokee, Creek, and Seminole lands, per treaties of July 19, June 14, and March 21, 1866, respectively.

WILLIS DRUMMOND,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, 1873.



No. 2.—Statement of public lands sold, of cash and bounty-land scrip received therefor, number six section of said act; also of land located with scrip under the agricultural college and value thereof, and statement of incidental expenses thereon, in the first half of the fiscal

States and Territories.	Land-offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the first half of the fiscal year ending June 30, 1873.		Amount paid in cash and in bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	Chillicothe.....	102.57	\$128.21	\$128.21	
Indiana .....	Indianapolis.....	2,968.83	4,629.72	4,629.72	
Illinois .....	Springfield.....	310.83	488.54	488.54	
Missouri .....	Booneville.....	1,846.97	3,166.90	3,166.90	
Do .....	Ironton.....	3,749.49	5,451.69	5,451.69	
Do .....	Springfield.....	1,856.60	3,965.69	3,965.69	
Total .....		7,453.06	12,604.48	12,604.48	
Mississippi .....	Jackson.....	13.55	146.12	146.12	
Louisiana .....	Monroe.....				
Do .....	New Orleans.....	417.96	1,253.60	1,253.60	
Do .....	Natchitoches.....	182.99	1,608.26	1,608.26	
Total .....		600.95	2,861.86	2,861.86	
Michigan .....	Detroit.....	17,011.99	24,620.81	22,313.94	\$2,306.87
Do .....	East Saginaw.....	23,062.70	34,833.38	31,377.96	3,455.42
Do .....	Ionia.....	7,738.84	16,803.88	16,803.88	
Do .....	Marquette.....	186,823.02	237,695.79	237,320.29	375.50
Do .....	Traverse City.....	18,677.16	35,280.17	33,653.32	1,626.85
Total .....		253,313.71	349,234.03	341,469.39	7,764.64
Arkansas .....	Little Rock.....	44.54	1,662.28	1,662.28	
Do .....	Camden.....	24.99	498.21	498.21	
Do .....	Harrison.....	74.38	1,080.88	1,080.88	
Do .....	Dardanelle.....	8.40	1,018.70	1,018.70	
Total .....		152.31	4,260.07	4,260.07	
Florida .....	Tallahassee.....	50.46	920.06	920.06	
Iowa .....	Des Moines.....	365.49	675.00	675.00	
Do .....	Council Bluffs.....			3,763.27	
Do .....	Fort Dodge.....	722.03	3,763.27	3,763.27	
Do .....	Sioux City.....	1,710.19	10,332.91	10,332.91	
Total .....		2,797.71	14,771.18	14,771.18	
Montana Territory .....	Helena.....	5,400.74	9,177.56	9,177.56	
Arizona Territory .....	Prescott.....	4,024.33	5,140.59	5,140.59	
Utah Territory .....	Salt Lake City.....	16,209.13	24,152.60	24,152.60	

ber of acres entered under the homestead law of May 20, 1862, of commissions received under mechanic act of July 2, 1862, and commissions received by registers and receivers on the year commencing July 1, 1872, and ending June 30, 1873.

Quantity of land entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts, and aggregate of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash and bounty-land scrip, and under homestead act of 1862 and acts amendatory.		Quantity of land located with agricultural college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
360.00	\$40 00	\$18 60	\$58 60	462.57	\$186 81			\$622 04
				2,968.83	4,629 72			631 83
				310.83	488 54			834 76
20,209.51	1,550 00	1,570 71	3,120 71	22,056.48	6,287 61			2,486 97
22,159.79	1,545 00	1,045 76	2,590 76	25,909.28	8,042 65			1,808 95
19,923.57	1,560 00	1,654 00	3,214 00	21,780.17	7,199 69			2,399 22
62,292.87	4,655 00	4,270 47	8,925 47	69,745.93	21,529 95			6,695 14
31,251.46	2,170 00	1,050 00	3,220 00	31,285.01	3,366 12			1,460 33
8,664.08	860 00	319 32	1,179 32	8,664.68	1,179 32			919 32
42,820.97	2,875 00	1,100 55	3,975 55	43,238.93	5,229 15			1,876 87
9,428.50	935 60	355 03	1,290 03	9,611.49	2,898 29			605 60
60,913.55	4,870 00	1,774 90	6,444 90	61,514.50	9,368 76			3,401 79
7,878.71	555 00	356 34	911 34	24,890.70	25,532 15	160.00	\$4 00	2,219 89
6,001.84	445 00	465 63	910 63	29,064.54	35,744 01			1,773 72
35,885.64	2,640 00	1,916 53	4,556 53	43,624.48	21,360 41			2,887 83
7,012.96	555 00	298 39	853 39	193,835.98	238,549 18			3,003 54
54,990.34	4,355 00	2,582 07	6,937 07	73,667.50	42,217 24			3,280 25
111,769.49	8,550 00	5,618 96	14,168 96	385,083.20	363,402 99	160.00	4 00	13,165 23
41,469.67	3,500 00	1,398 88	4,898 88	41,514.21	6,561 16			2,769 13
30,169.40	2,405 00	892 29	3,297 29	30,194.39	3,795 50			1,536 79
45,721.06	3,220 00	1,197 56	4,417 56	45,797.44	5,498 44			1,844 06
18,939.21	1,570 00	578 71	2,148 71	18,947.61	3,167 41			1,133 22
136,301.34	10,595 00	4,067 44	14,762 44	136,453.65	19,022 51			7,283 20
23,788.08	1,730 00	712 57	2,442 27	23,838.54	3,365 33			1,661 73
80.00	5 00	39 17	44 17	445.49	719 17			1,395 66
2,268.96	240 00	150 65	390 65	2,268.96	390 65			680 41
4,739.08	480 00	500 95	980 95	5,461.11	4,744 22			1,111 75
35,642.79	3,575 00	2,262 00	5,837 00	37,358.98	16,169 00	4,000.00	100 00	3,139 00
42,736.83	4,300 00	2,952 77	7,252 77	45,534.54	22,023 95	4,000.00	100 00	6,326 82
3,703.52	325 00	210 00	535 00	9 104.36	9,712 56	10,220.46	804 00	2,504 64
				4,024.33	5,140 59	480.00	12 00	893 40
27,595.16	2,080 00	1,232 68	3,312 68	44,104.29	27,465 28	23,672.58	632 00	3,204 36

## No. 2.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

States and Territories.	Land-offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the first half of the fiscal year ending June 30, 1873.		Amount paid in cash and in bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Alabama.....	Huntsville.....	57.36	\$366 37	\$366 37	
Do.....	Montgomery.....	54.47	2,473 06	2,473 06	
Do.....	Mobile.....		206 00		
<b>Total.....</b>		<b>111.83</b>	<b>2,045 43</b>	<b>3,045 43</b>	
Wisconsin.....	Wausau.....	58,544.14	76,322 59	76,322 59	
Do.....	Menaeba.....	25,249.01	31,911 33	31,911 33	
Do.....	Falls Saint Croix.....	12,601.99	28,922 41	28,922 41	
Do.....	Stevens Point.....				
Do.....	La Crosse.....	10,198.65	14,986 07	14,986 07	
Do.....	Bayfield.....	55,267.53	134,845 93	126,608 72	\$8,237 21
Do.....	Eau Claire.....	38,532.28	54,414 04	54,315 61	98 43
<b>Total.....</b>		<b>200,393.60</b>	<b>341,402 37</b>	<b>333,066 73</b>	<b>8,335 64</b>
California.....	San Francisco.....	13,711.85	31,641 17	31,641 17	
Do.....	Sacramento.....	6,712.39	22,374 33	22,374 33	
Do.....	Marysville.....	7,910.05	29,919 47	29,919 47	
Do.....	Humboldt.....	5,541.30	7,126 62	7,126 62	
Do.....	Susanville.....	8,457.33	12,571 65	12,571 65	
Do.....	Stockton.....	19,025.03	36,663 78	36,663 78	
Do.....	Los Angeles.....	2,434.94	3,756 62	3,756 62	
Do.....	Visalia.....	2,900.44	14,128 25	14,128 25	
Do.....	Shasta.....	1,870.92	3,623 00	3,623 00	
<b>Total.....</b>		<b>67,864.25</b>	<b>161,804 89</b>	<b>161,804 89</b>	
Nevada.....	Carson City.....	1,987.53	4,079 53	4,079 53	
Do.....	Austin.....	397.94	845 00	845 00	
Do.....	Belmont.....	20.23	110 00	110 00	
Do.....	Aurora.....	407.70	590 00	590 00	
Do.....	Elko.....	324.18	605 23	605 23	
<b>Total.....</b>		<b>3,137.58</b>	<b>6,229 76</b>	<b>6,229 76</b>	
Minnesota.....	Taylor's Falls.....	2,915.42	5,841 61	5,841 61	
Do.....	Saint Cloud.....	52,324.38	71,198 63	71,198 63	
Do.....	Alexandria.....	1,551.88	2,871 46	2,871 46	
Do.....	Jackson.....	4,929.81	15,764 46	15,764 46	
Do.....	New Ulm.....	1,183.09	5,947 40	5,947 40	
Do.....	Litchfield.....	1,971.29	5,272 40	5,272 40	
Do.....	Du Luth.....	23,302.20	38,024 68	38,024 68	
Do.....	Oak Lake.....	9,971.22	17,971 87	17,971 87	
Do.....	Redwood Falls.....	1,589.58	4,168 71	4,168 71	
<b>Total.....</b>		<b>99,738.87</b>	<b>167,081 22</b>	<b>167,081 22</b>	
Oregon.....	Oregon City.....	5,899.11	11,487 24	11,487 24	
Do.....	Roseburg.....	14,139.55	21,103 42	21,103 42	
Do.....	Le Grande.....	2,600.72	5,774 24	5,774 24	
<b>Total.....</b>		<b>22,639.38</b>	<b>38,364 90</b>	<b>38,364 90</b>	
Kansas.....	Topeka.....	14,678.24	22,754 03	22,754 03	
Do.....	Independence.....	2,447.18	4,439 61	4,439 61	
Do.....	Concordia.....	4,869.09	12,508 20	12,508 20	
Do.....	Wichita.....	8,588.32	17,403 41	17,403 33	47 08
Do.....	Salina.....	8,142.07	28,943 27	28,943 27	
Do.....	Cawker City.....	3,702.16	6,064 63	6,064 63	
<b>Total.....</b>		<b>42,427.06</b>	<b>92,160 15</b>	<b>92,113 07</b>	<b>47 08</b>

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

Quantity of land entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts, and aggregate of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash and bounty-land scrip, and under homestead act of 1862 and acts amendatory.		Quantity of land located with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	
39,935.67	\$3,250 00	\$1,245 00	\$4,495 00	39,993.03	\$4,861 37	.....	.....	\$1,755 82
31,471.31	2,530 00	1,068 00	3,808 00	31,525.78	6,371 06	.....	.....	2,054 61
18,828.34	1,305 00	514 00	1,819 00	18,828.34	2,025 00	.....	.....	1,018 12
90,235.32	7,385 00	2,827 00	10,212 00	90,347.15	13,257 43	.....	.....	4,828 55
12,016.29	900 00	556 97	1,456 97	70,560.43	77,779 56	.....	.....	3,689 05
4,523.51	345 00	191 97	536 97	29,772.52	32,448 30	.....	.....	3,131 17
16,012.98	1,365 00	901 87	2,266 87	28,614.97	31,189 28	.....	.....	2,701 64
21,741.00	1,640 00	1,216 85	2,856 85	31,939.65	17,842 92	.....	.....	2,409 56
1,040.00	100 00	52 00	152 00	56,307.53	134,997 93	.....	.....	3,824 11
31,730.71	2,245 00	1,357 39	3,602 39	70,262.99	58,016 43	640.00	\$16 00	3,049 76
87,064.49	6,595 00	4,277 05	10,872 05	287,458.09	352,274 42	640.00	16 00	18,805 29
8,840.49	590 00	411 50	1,001 50	22,552.34	32,642 67	24,580.52	652 00	2,312 50
4,990.50	435 00	314 71	749 71	11,702.89	23,124 04	11,994.42	304 00	3,000 00
7,107.91	580 00	1,044 60	1,634 60	15,017.96	15,017 96	23,949.16	608 00	3,419 99
3,605.84	230 00	151 66	381 66	9,147.14	7,508 28	3,520.00	88 00	1,163 52
10,274.02	655 00	381 77	1,036 77	18,731.35	13,608 42	480.00	12 00	1,808 11
12,138.48	810 00	603 98	1,413 98	31,163.51	38,077 76	25,747.56	640 00	3,128 32
1,724.58	120 00	78 00	198 00	4,159.52	3,954 62	640.00	16 00	472 56
4,914.87	385 00	780 54	1,165 54	7,115.31	15,293 79	15,388.26	424 00	2,367 80
1,474.54	105 00	72 00	177 00	3,345.46	3,800 00	2,713.18	68 00	1,212 72
55,071.23	3,930 00	3,838 76	7,758 76	122,935.48	169,563 65	109,013.10	2,812 00	18,885 52
2,625.54	180 00	108 00	288 00	4,613.07	4,367 53	320.00	8 00	1,442 62
460.00	30 00	24 00	54 00	877.94	899 00	.....	.....	877 45
1,120.00	70 00	42 00	112 00	20.23	110 00	.....	.....	540 00
3,142.90	225 00	169 01	394 01	1,527.70	702 00	800.00	20 00	756 02
7,368.44	505 00	343 01	848 01	3,467.08	999 24	.....	.....	1,173 20
6,996.50	640 00	788 91	1,428 91	9,911.92	7,270 52	320.00	8 00	1,551 98
18,607.67	1,565 00	1,560 16	3,125 16	70,932.05	74,323 79	3,360.00	84 00	1,468 32
29,556.40	2,175 00	1,463 95	3,638 95	31,108.28	6,510 41	5,431.36	135 54	3,104 65
37,409.70	3,015 00	2,324 14	5,339 14	42,339.51	21,103 00	2,560.00	72 00	3,107 00
27,629.83	2,305 00	1,526 63	3,831 63	28,812.92	9,779 03	1,758.31	44 00	3,175 75
27,048.08	2,320 00	1,693 96	4,013 96	29,019.37	9,296 36	1,120.00	28 00	3,277 02
8,499.02	750 00	339 74	1,089 74	31,801.22	39,114 42	8,160.00	204 00	3,091 71
21,588.15	1,805 00	921 28	2,726 28	31,559.37	6,793 54	12,144.16	304 00	2,304 50
19,046.23	1,595 00	979 83	2,574 83	20,635.81	20,635 81	1,918.40	48 00	3,756 24
196,381.58	16,170 00	11,598 60	27,768 60	296,120.45	194,249 82	36,772.23	927 54	24,837 17
10,862.29	1,010 00	941 42	1,951 42	16,571.40	13,438 66	.....	.....	3,151 15
19,832.92	1,410 00	1,391 07	2,801 07	34,022.47	23,904 49	5,597.85	140 00	3,522 85
11,737.72	830 00	611 00	1,441 00	14,328.44	7,215 24	6,240.00	156 00	2,198 83
42,472.93	3,250 00	2,943 49	6,193 49	65,102.31	44,558 39	11,837.85	296 00	7,932 83
11,009.20	1,190 00	881 08	2,071 08	25,687.44	24,825 11	800.00	24 00	3,180 00
4,714.38	455 00	605 45	1,060 45	7,161.56	5,505 06	.....	.....	3,410 44
138,895.15	9,435 00	4,647 26	14,082 26	143,764.24	26,590 46	17,719.47	424 00	3,415 15
65,091.76	4,715 00	2,726 45	7,441 45	73,680.08	24,891 86	1,280.00	32 00	2,443 30
88,332.06	7,300 00	3,837 36	11,137 36	96,474.13	40,080 63	11,359.32	304 00	2,275 00
110,702.37	6,965 00	2,861 59	9,826 59	114,404.53	15,891 22	10,553.56	268 00	3,520 94
418,744.92	30,060 00	15,559 19	45,619 19	461,171.98	137,779 34	41,712.35	1,052 00	18,244 77

## No. 2.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

States and Territories.	Land-offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the first half of the fiscal year ending June 30, 1873.		Amount paid in cash and in bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Washington Ter...	Olympia .....	26,934.27	\$41,063.71	\$41,063.71	.....
Do .....	Vancouver .....	1,684.05	3,430.58	3,430.58	.....
Do .....	Walla Walla .....	5,793.61	10,247.68	10,247.68	.....
Total .....	.....	34,411.93	54,741.97	54,741.97	.....
Nebraska .....	West Point .....	810.16	3,127.62	3,127.62	.....
Do .....	Beatrice .....	5,441.51	11,762.70	11,762.70	.....
Do .....	Lincoln .....	4,758.97	39,465.61	39,465.61	.....
Do .....	Dakota City .....	23,944.02	30,733.54	30,733.54	.....
Do .....	Grand Island .....	2,779.41	18,338.29	18,338.29	.....
Do .....	North Platte .....	606.00	2,070.53	2,070.53	.....
Do .....	Lowell .....	2,481.43	7,035.73	7,035.73	.....
Total .....	.....	40,821.50	112,534.02	112,534.02	.....
New Mexico .....	Santa Fé .....	1,163.26	1,454.07	1,454.07	.....
Dakota Territory ..	Yankton .....	863.13	1,575.17	1,575.17	.....
Do .....	Springfield .....	449.29	861.75	861.75	.....
Do .....	Vermillion .....	2,331.27	4,022.92	4,022.92	.....
Do .....	Pembina .....	640.00	800.00	800.00	.....
Total .....	.....	4,283.69	7,259.84	7,259.84	.....
Colorado Territory ..	Pueblo .....	13,405.90	17,757.42	17,757.42	.....
Do .....	Central City .....	4,285.46	6,163.32	6,163.32	.....
Do .....	Denver City .....	7,730.30	18,997.70	18,997.70	.....
Do .....	Fair Play .....	2,380.00	3,675.00	3,675.00	.....
Total .....	.....	27,801.66	46,593.44	46,593.44	.....
Idaho Territory .....	Boise City .....	145.48	1,429.49	1,429.49	.....
Do .....	Lewiston .....	652.28	815.35	815.35	.....
Total .....	.....	797.76	2,244.84	2,244.84	.....
Wyoming Territory ..	Cheyenne .....	879.54	1,299.42	1,299.42	.....

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1873.

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

Quantity of land entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts, and aggregate of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash and bounty-land scrip, and under homestead act of 1862 and acts amendatory.		Quantity of land located with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	
14, 139.82	\$1, 305 00	\$975 50	\$2, 280 50	41, 074.09	\$43, 344 21	.....	.....	\$3, 269 05
6, 428.71	690 00	577 37	1, 267 37	8, 112.76	4, 697 95	160.00	\$4 00	1, 015 60
7, 155.30	490 94	423 56	914 50	12, 948.91	11, 162 18	160.00	4 00	1, 469 14
27, 723.83	2, 485 94	1, 976 43	4, 462 37	62, 135.76	59, 204 34	320.00	8 00	5, 753 79
18, 299.77	1, 275 00	912 74	2, 187 74	19, 109.93	5, 315 36	2, 200.00	80 00	3, 994 88
40, 340.45	3, 375 00	2, 728 60	6, 103 60	45, 781.96	17, 866 30	4, 960.00	124 00	3, 161 00
126, 160.81	11, 780 00	7, 476 31	19, 256 31	130, 919.78	58, 721 92	6, 720.00	168 00	3, 246 76
27, 179.13	1, 725 00	850 00	2, 575 00	51, 123.15	33, 308 54	3, 833.90	128 00	3, 112 00
75, 054.95	6, 435 00	3, 520 52	9, 955 52	77, 834.36	28, 293 81	9, 920.00	247 68	2, 947 33
2, 677.80	215 00	148 61	363 61	3, 283.80	2, 434 14	800.00	20 00	1, 116 96
85, 679.71	5, 960 00	2, 625 65	8, 585 65	88, 161.14	15, 621 38	7, 600.00	240 00	3, 760 63
375, 392.62	30, 765 00	18, 262 43	49, 027 43	416, 214.12	161, 561 45	36, 033.90	1, 007 68	21, 339 56
639.06	40 00	47 96	87 96	1, 802.32	1, 542 03	.....	.....	732 54
11, 560.24	735 00	388 76	1, 123 76	12, 423.37	2, 698 93	16, 708.49	292 00	2, 079 77
3, 916.80	245 00	109 94	354 94	4, 366.09	1, 216 69	3, 200.00	80 00	1, 037 50
49, 366.91	3, 120 00	1, 447 69	4, 567 69	51, 698.18	8, 590 61	18, 322.15	604 00	3, 068 50
320.00	20 00	8 00	28 00	960.00	828 00	.....	.....	571 52
65, 163.95	4, 120 00	1, 954 39	6, 074 39	69, 447.64	13, 334 23	32, 730.64	976 00	2, 079 77
6, 892.74	435 00	297 00	732 00	20, 298.64	18, 489 42	15, 680.00	392 00	1, 776 02
1, 792.00	130 00	96 00	226 00	6, 077.46	6, 388 32	3, 520 00	92 00	2, 294 19
14, 951.17	1, 170 00	1, 213 50	2, 383 50	22, 681.47	21, 381 20	10, 390.04	296 00	3, 104 03
740.00	50 00	30 00	80 00	3, 120.00	3, 755 00	1, 280.00	32 00	648 50
24, 375.91	1, 785 00	1, 636 50	3, 421 50	52, 177.57	50, 014 94	30, 870.04	812 00	7, 822 74
2, 395.97	155 00	93 00	248 00	2, 541.45	1, 677 49	.....	.....	606 00
1, 379.76	80 00	48 00	128 00	1, 932.04	943 35	.....	.....	487 65
3, 675.73	235 00	141 00	376 00	4, 473.49	2, 621 84	.....	.....	1, 093 65
240.00	20 00	18 00	38 00	1, 119.54	1, 337 42	317.77	8 00	702 36

WILLIS DRUMMOND,  
Commissioner.

No. 2.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

## RECAPIT

States and Territories.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the first half of the fiscal year ending June 30, 1873.		Amount paid in cash and bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1873, mentioned in the first column.	
	Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio.....	102 57	\$128 21	\$128 21	
Indiana.....	2,968 83	4,629 72	4,629 72	
Illinois.....	310 83	488 54	488 54	
Missouri.....	7,453 06	12,604 48	12,604 48	
Alabama.....	111 83	3,045 43	3,045 43	
Mississippi.....	13 55	146 12	146 12	
Louisiana.....	600 95	2,861 86	2,861 86	
Michigan.....	253,313 71	349,234 03	341,469 39	\$7,764 64
Arkansas.....	152 31	4,260 07	4,260 07	
Florida.....	50 46	920 06	920 06	
Iowa.....	2,797 71	14,771 18	14,771 18	
Montana Territory.....	5,400 74	9,177 56	9,177 56	
Arizona Territory.....	4,024 33	5,140 59	5,140 59	
Utah Territory.....	16,209 13	24,152 60	24,152 60	
Wisconsin.....	200,393 60	341,402 37	333,066 73	8,335 64
California.....	67,864 25	161,804 89	161,804 89	
Nevada.....	3,137 58	6,229 76	6,229 76	
Minnesota.....	89,738 87	167,081 22	167,081 22	
Oregon.....	22,629 38	38,364 90	38,364 90	
Kansas.....	42,427 06	92,160 13	92,113 07	47 08
Washington Territory.....	34,411 93	54,741 97	54,741 97	
Nebraska Territory.....	40,821 50	112,534 02	112,534 02	
New Mexico Territory.....	1,163 26	1,454 07	1,454 07	
Dakota Territory.....	4,283 69	7,259 84	7,259 84	
Colorado Territory.....	27,801 66	46,593 44	46,593 44	
Idaho Territory.....	797 76	2,244 84	2,244 84	
Wyoming Territory.....	879 54	1,299 42	1,299 42	
<b>Totals.....</b>	<b>839,860 09</b>	<b>1,464,731 34</b>	<b>1,448,583 96</b>	<b>16,147 36</b>

To which add number of acres located with agricultural scrip, and commissions thereon

DEPARTMENT OF THE INTERIOR

General Land-Office, November 1, 1873.

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

ULATION.

Quantity of land entered under homestead act of May 20, 1862, and June 21, 1866, amount of \$5 and \$10 payments required by section 2 of the acts, amount of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash and bounty-land scrip, and under homestead act of May 20, 1862, and acts amendatory.		Quantity located in the first half of said fiscal year with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Amount of \$5 and \$10 payments.	Amount of registers' and receivers' commissions.	Aggregate of fees, and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	
360.00	\$40 00	\$18 60	\$58 60	462.57	\$186 81			\$622 04
				2,968.83	4,629.72			631.83
				310.23	488.54			834.76
62,292.87	4,655 00	4,270 47	8,925 47	69,745.93	21,529.95			6,695.14
90,235.32	7,385 00	2,827 00	10,212 00	90,347.15	13,257.43			4,828.55
31,251.46	2,170 00	1,050 00	3,220 00	31,265.01	3,366.12			1,460.33
60,913.55	4,670 00	1,774.90	6,444.90	61,514.50	9,306.76			3,401.79
111,769.49	8,550 00	5,618.96	14,168.96	365,083.29	363,402.99	160.00	\$4 00	13,165.23
136,301.34	10,695 00	4,067.44	14,762.44	136,453.65	19,022.51			7,283.20
23,788.08	1,730 00	715.27	2,445.27	23,838.54	3,365.33			1,661.73
42,736.83	4,300 00	2,952.77	7,252.77	45,534.54	22,023.95	4,000.00	100 00	6,326.82
3,703.62	325 00	210 00	535 00	9,104.36	9,712.56	10,220.46	804 00	2,504.64
				4,024.33	5,140.59		480.00	12 00
27,895.16	2,080 00	1,232.65	3,312.65	44,104.29	27,465.28	23,672.58	632 00	3,204.36
87,064.49	6,595 00	4,277.05	10,872 05	287,458.09	352,274.42	640.00	16 00	18,805.29
55,071.23	3,920 00	3,838.70	7,758.70	122,935.48	169,563.65	109,013.10	2,812 00	18,885.52
7,368.44	505 00	343 01	848 01	10,506.02	7,077.77	1,120.00	28 00	4,759.29
196,381.58	16,170 00	11,598.60	27,768.60	296,120.45	194,849.82	36,772.23	927.54	24,837.17
42,472.93	3,250 00	2,943.48	6,193.48	65,102.31	44,558.39	11,837.85	296 00	7,932.83
418,744.92	30,060 00	15,559.18	45,619.19	461,171.98	137,779.34	41,712.35	1,052 00	18,244.73
27,723.83	2,485.94	1,976.42	4,462.37	62,135.76	59,204.34	320.00	8 00	5,753.79
375,392.62	30,765 00	18,262.43	49,027.43	416,214.12	161,561.45	36,033.90	1,007.68	21,339.56
639.06	40 00	47.96	87.96	1,802.32	1,542.03			732.54
65,163.95	4,120 00	1,954.38	6,074.39	69,447.64	13,334.23	32,730.64	976 00	2,079.77
24,375.91	1,785 00	1,636.50	3,421.50	52,177.57	50,814.94	30,870.04	812 00	7,822.74
3,675.73	235 00	141 00	376 00	4,473.49	2,620.84			1,093.65
240.00	20 00	18 00	38 00	1,119.54	1,337.42	317.77	8 00	702.36
1,895,562.41	146,550.94	87,334.91	233,885.84	2,735,422.50	1,698,617.18	339,900.92	9,495.22	186,533.06
				339,900.92	9,495.22			
				3,075,323.42	1,708,112.40			

WILLIS DRUMMOND, *Commissioner.*



No. 3.—Statement of public lands sold, of cash and bounty land scrip received therefor, number section of said act; also of land located with scrip under the agricultural college and value thereof, and statement of incidental expenses thereon in the second half of the fiscal

States and Territories.	Land offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the second half of the fiscal year ending June 30, 1873.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	Chillicothe .....	160.00	\$204 00	\$204 00	.....
Indiana .....	Indianapolis .....	315.64	394 55	394 55	.....
Illinois .....	Springfield .....	2,234.60	4,402 42	4,402 42	.....
Missouri .....	Booneville .....	2,334.49	4,151 50	4,151 50	.....
	Ironton .....	8,067.30	10,749 50	10,749 50	.....
	Springfield .....	3,748.78	5,603 06	5,583 06	\$20 00
<b>Total</b> .....	.....	<b>14,151.57</b>	<b>20,504 06</b>	<b>20,484 06</b>	<b>20 00</b>
Alabama .....	Huntsville .....	163.03	416 75	416 75	.....
	Montgomery .....	11.25	1,120 64	1,120 64	.....
	Mobile .....	.....	43 50	43 50	.....
<b>Total</b> .....	.....	<b>174.28</b>	<b>1,580 89</b>	<b>1,580 89</b>	.....
Mississippi .....	Jackson .....	.....	378 61	378 61	.....
Louisiana .....	New Orleans .....	327.96	575 42	575 42	.....
	Natchitoches .....	4.12	964 12	964 12	.....
	Monroe .....	160.60	404 28	404 28	.....
<b>Total</b> .....	.....	<b>492.68</b>	<b>1,943 82</b>	<b>1,943 82</b>	.....
Michigan .....	Detroit .....	10,020.13	14,504 06	13,030 31	1,473 75
	East Saginaw .....	11,392.58	18,838 60	18,838 60	.....
	Ionia .....	1,982.12	9,681 34	9,681 34	.....
	Marquette .....	203,348.00	299,853 66	296,567 53	3,286 13
	Traverse City .....	19,807.86	36,569 75	36,569 75	.....
	<b>Total</b> .....	.....	<b>246,550.75</b>	<b>379,447 41</b>	<b>374,687 53</b>
Arkansas .....	Little Rock .....	31.86	950 69	950 69	.....
	Camden .....	25.85	531 99	531 99	.....
	Harrison .....	60.68	935 68	935 68	.....
	Dardanelle .....	40.00	100 00	100 00	.....
<b>Total</b> .....	.....	<b>158.39</b>	<b>2,518 36</b>	<b>2,518 36</b>	.....
Florida .....	Tallahassee .....	38.06	734 76	734 76	.....
Iowa .....	Des Moines .....	400.00	550 00	550 00	.....
	Council Bluffs .....	121.92	154 80	154 50	.....
	Fort Dodge .....	898.57	2,634 16	2,634 16	.....
	Sioux City .....	4,090.84	14,875 92	14,875 92	.....
	<b>Total</b> .....	.....	<b>5,511.33</b>	<b>18,213 98</b>	<b>18,213 98</b>
Montana .....	Helena .....	1,929.19	4,802 53	4,802 53	.....

of acres entered under the homestead law of May 20, 1862, of commissions received under sixth mechanic act of July 2, 1862, and commissions received by registers and receivers on the year commencing July 1, 1872, and ending June 30, 1873.

Quantity entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments, required by section 2 of the acts; and also with aggregate of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof, for the second half of the fiscal year ending June 30, 1873.				Aggregated disposed of for cash and bounty-land scrip; also under the homestead act of 1862 and acts amendatory.		Quantity located in second half of said fiscal year with agricultural-college scrip, act of July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Area of homestead entries.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	
80.00	\$10 00	\$10 00	\$20 00	240.00	\$224 00	.....	.....	\$614 08
.....	.....	.....	.....	315.64	394 55	.....	.....	565 08
.....	.....	.....	.....	2,234.60	4,402 42	.....	.....	595 57
14,943.28	1,265 00	1,064 58	2,329 58	17,277.77	6,481 08	.....	.....	2,111 66
23,777.51	1,645 00	930 86	2,575 86	30,844.81	13,325 36	.....	.....	1,975 37
20,465.61	1,550 00	1,390 00	2,940 00	24,215.39	8,543 06	.....	.....	2,113 04
58,186.40	4,460 00	3,385 44	7,845 44	72,337.97	28,349 50	.....	.....	6,200 07
31,903.68	2,650 00	1,031 00	3,681 00	32,066.71	4,097 75	.....	.....	1,710 62
18,248.28	1,565 00	578 00	2,143 00	18,259.53	3,263 64	.....	.....	1,408 57
27,376.28	1,200 00	750 00	2,550 00	27,376.28	2,593 50	.....	.....	1,442 81
77,522.24	5,415 00	2,359 00	8,374 00	77,702.52	9,954 89	.....	.....	4,562 00
57,128.52	4,820 00	1,773 00	6,593 00	57,128.52	6,971 61	.....	.....	2,178 26
38,661.46	2,685 00	964 32	3,669 32	38,969.42	4,944 74	.....	.....	2,154 59
7,219.64	655 00	249 70	904 70	7,223.76	1,868 82	.....	.....	520 00
9,637.67	718 00	247 65	965 65	9,798.27	1,369 93	.....	.....	525 00
55,518.77	4,058 00	1,481 67	5,539 67	56,011.45	7,483 49	.....	.....	3,199 59
6,105.71	420 00	225 94	645 94	16,125.64	15,150 00	.....	.....	1,519 65
4,883.55	355 00	355 86	710 86	16,276.13	19,549 58	.....	.....	1,365 46
14,082.41	1,140 00	1,307 07	2,447 07	16,064.59	13,132 41	.....	.....	2,046 90
12,406.39	1,170 00	560 80	1,730 80	215,754.39	301,584 46	.....	.....	3,119 30
27,518.97	2,415 00	2,161 67	4,576 67	47,326.63	41,146 62	.....	.....	3,398 00
64,997.03	5,500 00	4,611 66	10,111 66	311,547.78	389,559 07	.....	.....	11,437 31
28,012.94	2,555 00	971 42	3,526 42	28,044.80	4,447 11	.....	.....	2,228 15
28,564.19	2,406 00	894 17	3,300 17	28,592.04	3,832 16	.....	.....	1,605 62
49,511.57	3,575 00	1,310 13	4,885 13	49,572.25	5,820 61	.....	.....	1,888 19
3,861.41	485 00	202 08	687 08	3,901.41	787 08	.....	.....	1,485 61
109,952.11	9,021 00	3,377 80	12,398 80	110,110.50	14,917 16	.....	.....	7,207 57
17,348.10	1,425 00	552 33	1,977 33	17,386.16	2,792 09	.....	.....	1,087 15
225.25	25 00	49 89	74 89	655.25	624 89	.....	.....	1,351 78
1,318.90	150 00	180 00	330 00	1,440.62	484 80	.....	.....	649 86
4,323.68	455 00	929 36	1,384 36	5,221.25	4,018 54	.....	.....	1,663 34
28,899.56	2,680 00	2,727 00	5,407 00	32,990.40	30,292 02	800.00	\$20 00	3,036 00
34,796.39	3,310 00	3,886 27	7,196 27	40,307.72	25,410 25	800.00	20 00	6,720 98
1,600.00	125 00	81 00	206 00	3,529.19	5,008 53	2,560.00	64 00	2,123 22

## REPORT OF THE COMMISSIONER OF

No. 3.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

States and Territories.	Land-offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the second half of the fiscal year ending June 30, 1873.		Amount paid in cash and bounty-land scrip, respectively, for the second half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Arizona Ter	Prescott	1,966.47	\$2,700.47	\$2,700.47	
Utah Ter	Salt Lake City	7,648.29	12,478.27	12,478.27	
Wisconsin	Menasha	24,451.01	31,179.65	31,179.65	
	Falls Saint Croix	6,968.18	17,173.35	17,173.35	
	Wausau	26,060.36	35,906.62	35,906.62	
	La Crosse	7,323.18	10,655.39	10,655.39	
	Bayfield	20,043.91	54,932.19	52,769.33	\$2,162.86
	Eau Claire	14,628.49	22,583.00	22,573.00	
Total		100,077.13	172,620.20	170,457.34	2,162.86
California	San Francisco	32,491.45	77,589.78	77,589.78	
	Sacramento	13,941.62	43,590.61	43,590.61	
	Marysville	12,103.42	51,614.14	51,614.14	
	Humboldt	6,622.27	9,345.76	9,345.76	
	Susanville	16,046.35	22,730.04	22,730.04	
	Stockton	28,938.25	56,819.44	56,819.44	
	Los Angeles	2,787.59	4,047.38	4,047.38	
	Visalia	18,713.44	57,673.32	57,673.32	
	Shasta	2,552.09	4,621.69	4,621.69	
	Total		134,196.48	327,692.16	327,692.16
Nevada	Carson City	469.25	3,038.87	3,038.87	
	Austin	747.56	1,385.00	1,385.00	
	Belmont				
	Aurora	583.37	884.96	884.96	
	Elko				
Total		1,800.18	5,308.83	5,308.83	
Minnesota	Taylor's Falls	3,872.76	7,368.95	7,368.95	
	Saint Cloud	45,543.82	62,345.98	62,345.98	
	Alexandria	815.24	2,197.06	2,197.06	
	Jackson	6,128.48	16,840.44	16,840.44	
	New Ulm	2,215.09	6,315.59	6,315.59	
	Litchfield	1,863.83	5,182.82	5,182.82	
	Du Luth	28,144.18	52,279.69	52,279.69	
	Oak Lake	9,266.32	19,505.81	19,505.81	
	Redwood Falls	2,407.17	5,144.90	1,144.90	
Total		100,196.89	177,181.24	177,181.24	
Oregon	Oregon City	1,053.13	2,100.84	2,100.84	
	Roseburg	8,196.00	12,051.14	12,051.14	
	Le Grande	1,074.03	2,707.84	2,707.84	
	Linkville	765.94	957.43	957.43	
Total		11,089.10	17,817.25	17,817.25	
Kansas	Topeka	11,171.09	17,836.49	17,836.49	
	Independence	3,316.42	9,311.54	9,311.54	
	Concordia	3,864.29	12,469.35	12,469.35	
	Wichita	4,521.83	12,321.95	12,321.95	
	Salina	3,116.83	12,012.82	12,012.82	
	Cawker City	3,823.36	9,038.74	9,038.74	
Total		29,813.82	73,010.89	73,010.89	

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

Quantity entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts; and also with aggregate of registers' and receivers' commissions, under section 6 of said acts, and of act approved March 21, 1864, amendatory thereof, for the second half of the fiscal year ending June 30, 1873.				Aggregate disposed of for cash and bounty-land scrip, also under the homestead act of 1862 and acts amendatory.		Quantity located in second half of said fiscal year with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Area of homestead entries.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
160.00	\$10 00	\$6 00	\$16 00	2,166.47	\$2,716 47	160.00	\$4 00	\$852 00
10,895.00	755 00	460 45	1,215 45	18,543.29	13,693 72	7,839.89	208 00	1,930 44
3,391.91	250 00	143 66	393 66	27,842.92	31,573 31	.....	.....	1,340 28
10,453.68	825 00	703 63	1,527 63	17,421.26	18,700 98	.....	.....	2,584 12
20,687.06	1,135 00	696 66	1,831 66	46,747.42	37,738 28	.....	.....	2,606 44
20,240.66	1,525 00	1,241 27	2,766 27	27,565.84	13,621 66	.....	.....	2,190 40
480.00	40 00	24 00	64 00	21,123.91	54,996 19	1,040.00	26 00	2,298 36
26,674.77	1,690 00	1,064 18	2,954 18	41,303.26	25,527 18	1,960.00	32 00	2,622 86
81,928.03	5,665 00	3,873 40	9,537 40	182,005.21	182,157 60	2,320.00	58 00	13,642 46
24,662.08	1,720 00	1,248 00	2,968 00	57,153.53	80,557 78	52,423.09	444 00	3,872 00
14,696.98	1,335 00	873 96	2,208 96	28,638.60	45,799 57	26,979.41	688 00	3,025 00
11,822.33	1,120 00	942 50	2,062 50	23,925.75	53,676 64	37,705.43	960 00	3,412 10
3,497.60	225 00	155 16	380 16	10,119.87	9,725 92	2,400.00	64 00	1,186 02
17,910.75	1,145 00	683 04	1,828 04	33,957.10	24,558 08	320.00	8 00	2,678 64
25,669.80	1,730 00	1,209 51	2,939 51	54,608.05	59,758 95	31,177.26	836 00	3,285 80
2,944.53	225 00	141 00	366 00	5,732.12	4,413 38	5,120.00	128 00	650 10
10,911.09	925 00	753 00	1,678 00	29,624.52	58,751 32	18,991.48	476 00	3,437 65
2,632.28	210 00	162 00	372 00	5,184.37	5,253 69	2,397.80	60 00	1,341 29
114,747.44	8,635 00	6,168 17	14,803 17	248,943.92	342,495 33	177,514.47	3,664 00	22,888 60
4,005.32	303 50	200 00	503 50	4,474.57	3,542 37	.....	.....	1,426 22
480.00	30 00	18 00	48 00	1,227.56	1,433 00	.....	.....	1,137 69
5,394.64	340 00	202 50	542 50	5,978.01	1,427 46	7,994.29	200 00	148 61
.....	.....	.....	.....	.....	.....	.....	.....	859 74
.....	.....	.....	.....	.....	.....	.....	.....	224 38
9,879.96	673 50	420 50	1,094 00	11,680.14	6,402 83	7,994.29	200 00	3,819 64
5,282.68	465 00	421 55	886 55	9,155.44	8,255 50	.....	.....	1,962 60
14,244.20	1,290 00	1,444 13	2,734 13	59,788.02	65,080 11	1,760.00	44 00	3,622 52
15,252.77	1,310 00	975 35	2,285 35	16,068.01	4,482 41	2,227.97	83 92	2,761 93
51,285.08	4,130 00	3,104 15	7,234 15	57,413.56	24,074 59	2,880.00	88 00	3,100 88
30,805.15	2,490 00	2,074 07	4,564 07	33,020.24	10,879 66	480.00	12 00	2,866 21
21,022.12	2,050 00	1,965 34	4,015 34	22,825.95	9,198 16	160.00	4 00	2,862 78
5,059.25	525 00	244 98	769 98	33,203.43	53,049 67	1,120.00	28 00	3,345 24
13,724.05	1,215 00	658 33	1,873 33	22,990.37	21,379 14	4,933.53	124 00	3,610 20
24,557.95	2,225 00	1,887 08	4,112 08	26,965.12	9,256 98	.....	.....	3,268 49
181,533.25	11,700 00	14,774 98	28,474 98	281,430.14	205,656 22	13,561.50	383 92	13,068 71
8,873.34	865 00	814 38	1,679 38	9,926.47	3,780 20	.....	.....	3,149 85
14,780.49	1,065 00	893 97	1,958 97	22,976.49	13,980 11	3,519.12	92 00	3,596 12
3,286.84	260 00	381 00	641 00	4,340.87	3,348 84	1,379.01	32 00	1,363 40
1,974.19	139 00	74 03	204 03	2,740.13	1,161 46	314.11	8 00	1,065 75
28,894.86	2,320 00	2,133 36	4,453 36	39,963.96	22,270 61	5,112.24	132 00	9,175 12
8,587.11	1,015 00	840 11	1,855 11	19,758.20	19,691 60	80 00	4 00	3,044 53
3,793.77	345 00	606 80	951 80	7,110.19	10,263 34	.....	.....	3,383 04
105,663.90	7,230 00	3,912 38	11,142 38	109,528.19	23,631 73	4,479.05	212 00	3,209 25
74,093.67	5,265 00	3,358 70	8,623 70	78,615.50	21,065 65	636.17	16 00	3,328 63
103,835.88	8,025 00	4,433 44	12,458 44	106,952.71	24,471 26	3,839.74	144 00	3,910 00
102,404.94	6,430 00	2,844 82	9,274 82	106,228.30	18,313 56	4,157.22	160 00	3,221 65
398,379.27	28,430 00	15,996 25	44,426 25	428,193.09	117,437 14	13,192.18	536 00	20,101 10

## No. 3.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

States and Territories.	Land-offices.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the second half of the fiscal year ending June 30, 1873.		Amount paid in cash and bounty-land scrip, respectively, for the second half of the fiscal year ending June 30, 1873.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Washington Ter.	Olympia .....	16,468.70	\$29,331.31	\$29,331.31	.....
	Vancouver .....	355.46	1,333.02	1,333.02	.....
	Walla-Walla .....	3,721.61	6,027.15	6,027.15	.....
Total .....	.....	20,545.77	36,691.48	36,691.48	.....
Nebraska	West Point .....	511.93	1,936.79	1,936.79	.....
	Beatrice .....	3,460.89	9,003.26	9,003.26	.....
	Lincoln .....	3,004.86	20,242.53	20,242.53	.....
	Dakota City .....	13,585.11	17,931.46	17,931.46	.....
	Grand Island .....	2,950.29	13,660.65	13,660.65	.....
	North Platte .....	261.70	654.25	654.25	.....
	Lowell .....	4,723.00	9,780.32	9,780.32	.....
Total .....	.....	28,497.78	73,209.26	73,209.26	.....
New Mexico	Santa Fé .....	879.60	1,099.50	1,099.50	.....
Dakota Ter.	Springfield .....	1,763.59	2,404.53	2,404.53	.....
	Vermillion .....	10,018.99	16,165.18	16,165.18	.....
	Pembina .....	.....	.....	.....	.....
	Yankton .....	3,686.07	5,790.03	5,790.03	.....
Total .....	.....	15,468.65	24,359.74	24,359.74	.....
Colorado Ter.	Pueblo .....	36,528.65	46,910.91	46,910.91	.....
	Central City .....	4,745.38	5,839.85	5,839.85	.....
	Denver City .....	9,944.26	25,807.69	25,807.69	.....
	Fair Play .....	8,336.64	11,033.35	11,033.35	.....
Total .....	.....	59,554.93	89,591.80	89,591.80	.....
Idaho Ter.	Boise City .....	1,446.43	2,208.12	2,208.12	.....
	Lewiston .....	962.60	1,203.26	1,203.26	.....
Total .....	.....	2,409.03	3,411.38	3,411.38	.....
Wyoming Ter.	Cheyenne .....	545.33	1,075.06	1,075.06	.....

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1873.

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

Quantity entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts; and also with aggregate of registers' and receivers' commissions, under section 6 of said acts, and of act approved March 21, 1864, amendatory thereof, for the second half of the fiscal year ending June 30, 1873.				Aggregate disposed of for cash and bounty-land scrip, also under the homestead act of 1862 and acts amendatory.		Quantity located in second half of said fiscal year with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Area of homestead entries.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	
12,706.48	\$1,225 00	\$979 50	\$2,204 50	29,175.18	\$31,535 61	160.00	\$4 00	\$3,181 07
3,333.51	340 00	326 34	666 34	3,688.97	1,999 36	.....	.....	1,338 69
6,122.58	465 00	391 50	856 50	9,844.19	6,883 65	.....	.....	1,724 91
<b>22,162.57</b>	<b>2,030 00</b>	<b>1,697 34</b>	<b>3,737 34</b>	<b>42,702.34</b>	<b>40,418 82</b>	<b>160.00</b>	<b>4 00</b>	<b>6,244 67</b>
17,593.69	1,275 00	1,393 13	2,668 13	18,105.62	4,604 92	1,600.00	40 00	2,353 30
27,563.23	2,350 00	2,510 92	4,860 92	31,024.12	13,864 18	2,080.00	56 00	3,158 44
114,058.04	11,350 00	7,981 44	19,331 44	117,062.90	39,573 97	1,440.00	36 00	4,084 28
37,246.90	2,355 00	1,260 00	3,615 00	50,832.01	21,546 46	2,214.34	84 00	2,487 14
84,350.46	7,129 37	4,129 37	11,294 37	87,300.75	24,955 02	3,678.10	119 95	1,806 83
1,794.60	155 00	106 63	261 63	2,056.30	915 28	.....	.....	969 36
102,347.67	6,945 00	3,943 88	10,888 88	107,070.67	20,669 20	7,668.38	220 00	3,052 93
<b>384,954.59</b>	<b>31,595 00</b>	<b>21,325 37</b>	<b>52,920 37</b>	<b>413,452.37</b>	<b>126,129 63</b>	<b>18,680.82</b>	<b>555 95</b>	<b>17,912 28</b>
<b>800.00</b>	<b>50 00</b>	<b>30 00</b>	<b>80 00</b>	<b>1,769.60</b>	<b>1,179 50</b>	<b>960.00</b>	<b>24 00</b>	<b>609 54</b>
17,282.58	1,090 00	549 11	1,639 11	19,046.17	4,043 64	4,155.20	108 00	2,248 81
92,568.70	5,825 00	2,870 66	8,695 66	102,587.69	24,860 84	8,160.00	300 00	2,513 89
480.00	30 00	16 00	46 00	480.00	46 00	.....	.....	767 95
30,425.05	1,920 00	885 55	2,805 55	34,111.52	8,595 58	6,627.40	188 00	2,678 96
<b>140,756.73</b>	<b>8,865 00</b>	<b>4,321 32</b>	<b>13,186 32</b>	<b>156,225.38</b>	<b>37,546 06</b>	<b>18,942.60</b>	<b>596 00</b>	<b>8,819 15</b>
21,422.45	1,345 00	871 50	2,216 50	57,958.10	49,127 41	25,549.55	664 00	3,892 21
1,057.42	72 00	62 00	134 00	5,802.80	5,973 85	3,680.00	92 00	2,836 68
17,658.29	1,345 00	1,452 00	2,797 00	27,602.55	28,604 69	12,764.32	364 00	3,139 04
1,120.00	70 00	42 00	112 00	9,456.64	11,145 35	1,596.39	44 00	1,157 90
<b>41,285.16</b>	<b>2,832 00</b>	<b>2,427 50</b>	<b>5,259 50</b>	<b>100,820.09</b>	<b>94,851 30</b>	<b>43,590.26</b>	<b>1,164 00</b>	<b>11,026 43</b>
3,217.64	201 00	188 00	389 00	4,664.07	2,597 12	.....	.....	821 16
1,160.00	70 00	42 00	112 00	2,122.60	1,315 26	.....	.....	720 71
<b>4,377.64</b>	<b>271 00</b>	<b>230 00</b>	<b>501 00</b>	<b>6,786.67</b>	<b>3,912 38</b>	.....	.....	<b>1,541 87</b>
<b>480.00</b>	<b>30 00</b>	<b>24 00</b>	<b>54 00</b>	<b>1,025.33</b>	<b>1,129 06</b>	<b>157.24</b>	<b>4 00</b>	<b>681 20</b>

WILLIS DRUMMOND,  
Commissioner.

## No. 3.—Statement of public lands sold, of cash and bounty-land scrip received therefor,

## RECAPIT

States and Territories.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for same for the second half of the fiscal year ending June 30, 1873.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1873, mentioned in the first column.	
	Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	160.00	\$204 00	\$204 00	.....
Indiana .....	315.64	394 55	394 55	.....
Illinois .....	2,234.60	4,402 42	4,402 42	.....
Missouri .....	14,151.57	20,504 06	20,484 06	\$20 00
Alabama .....	174.28	1,580 89	1,580 89	.....
Mississippi .....	.....	378 61	378 61	.....
Louisiana .....	492.68	1,943 82	1,943 82	.....
Michigan .....	246,550.75	379,447 41	374,687 53	4,759 88
Arkansas .....	158.39	2,518 36	2,518 36	.....
Florida .....	38.06	734 76	734 76	.....
Iowa .....	5,511.33	18,213 98	18,213 98	.....
Montana Territory .....	1,929.19	4,802 53	4,802 53	.....
Arizona Territory .....	1,966.47	2,700 47	2,700 47	.....
Utah Territory .....	7,648.29	12,478 27	12,478 27	.....
Wisconsin .....	100,077.13	172,620 20	170,457 34	2,162 86
California .....	134,196.48	327,692 16	327,692 16	.....
Nevada .....	1,800.18	5,308 83	5,308 83	.....
Minnesota .....	100,196.89	177,181 24	177,181 24	.....
Oregon .....	11,089.10	17,817 25	17,817 25	.....
Kansas .....	29,813.82	73,010 89	73,010 89	.....
Washington Territory .....	20,545.77	36,691 48	36,691 48	.....
Nebraska .....	28,497.78	73,209 26	73,209 26	.....
New Mexico Territory .....	879.60	1,099 50	1,099 50	.....
Dakota Territory .....	15,468.65	24,359 74	24,359 74	.....
Colorado Territory .....	59,554.93	89,591 80	89,591 80	.....
Idaho Territory .....	2,409.03	3,411 38	3,411 38	.....
Wyoming Territory .....	545.33	1,075 06	1,075 06	.....
<b>Total</b> .....	<b>786,405.94</b>	<b>1,453,372 92</b>	<b>1,446,430 18</b>	<b>6,942 74</b>

To which add number of acres located with agricultural scrip and commissions

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

ULATION.

Quantity of land entered under homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts, amount of registers' and receivers' commissions under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash and bounty-land scrip, and under homestead act of 1862 and acts amendatory.		Quantity of land located in the second half of said fiscal year with agricultural-college scrip, act July 2, 1862, and registers' and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Amount of \$5 and \$10 payments.	Amount of registers' and receivers' commissions.	Aggregate of fees and receivers and registers commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
80.00	\$10 00	\$10 00	\$20 00	240.00	\$224 00			\$614 08
				315.64	394 55			565 08
				2,234.60	4,402 42			595 57
58,186.40	4,460 00	3,385 44	7,845 44	72,337.97	28,349 50			6,200 07
77,528.24	5,415 00	2,359 00	7,774 00	77,702.52	9,354 89			4,562 00
57,128.52	4,820 00	1,773 00	6,593 00	57,128.52	6,971 61			2,178 26
55,518.77	4,058 00	1,481 67	5,539 67	56,011.45	7,483 49			3,199 59
64,997.03	5,500 00	4,611 66	10,111 66	311,547.78	389,559 07			11,437 31
109,952.11	9,021 00	3,377 80	12,398 80	110,110.50	14,917 16			7,207 57
17,348.10	1,425 00	552 33	1,977 33	17,386.16	2,712 09			1,087 15
34,796.39	3,310 00	3,886 27	7,196 27	40,307.72	25,410 25	800.00	\$20 00	6,720 98
1,600.00	125 00	81 00	206 00	3,529.19	5,008 53	2,560.00	64 00	2,123 22
160.00	10 00	6 00	16 00	2,126.47	2,716 47	160.00	4 00	852 00
10,895.00	755 00	460 45	1,215 45	18,543.29	13,693 72	7,839.89	208 00	1,930 44
81,928.08	5,665 00	3,873 40	9,538 40	182,005.21	182,158 00	2,330.00	58 00	13,642 46
114,747.44	8,835 00	6,168 17	14,803 17	248,943.92	342,495 33	177,514.47	3,664 00	22,888 60
9,879.96	673 50	490 50	1,094 00	11,680.14	6,402 83	7,994.29	200 00	3,819 64
181,233.25	15,700 00	12,774 98	28,474 98	281,430.14	205,656 22	13,561.50	383 92	13,086 71
28,894.96	2,320 00	2,133 36	4,453 36	39,983.96	22,270 61	5,112.24	132 00	8,175 12
398,379.27	28,430 00	15,996 25	44,426 25	428,193.09	117,437 14	13,192.18	536 00	20,101 10
22,162.57	2,030 00	1,697 34	3,727 34	42,708.34	40,418 82	160.00	4 00	6,244 67
384,954.59	31,595 00	21,325 37	52,920 37	413,452.37	126,129 63	18,660.82	555 95	17,912 28
800.00	50 00	30 00	80 00	1,679.60	1,179 50	960.00	24 00	609 54
140,756.73	8,865 00	4,321 32	13,186 32	156,225.38	37,546 06	18,942.60	596 00	8,819 15
41,265.16	2,832 00	2,427 50	5,259 50	100,820.09	94,851 30	43,590.26	1,164 00	11,026 43
4,377.64	271 00	230 00	501 00	6,786.67	3,912 38			1,541 87
480.00	30 00	24 00	54 00	1,025.33	1,129 06	157.24	4 00	681 20
1,308,050.11 thereon	146,005 50	93,406 81	239,412 31	2,684,456.05	1,692,785 23	313,545.49	7,617 87	178,822 09
				313,545.49	7,617 87			
				2,998,001.54	1,700,403 10			

WILLIS DRUMMOND,  
Commissioner.



No. 4.—Summary for the fiscal year ending June 30, 1873, showing the number of acres 1862, March 21, 1864, and June 21, 1866, with aggregate of \$5 and \$10 homestead payments act of July 2, 1862.

States and Territories.	Quantity sold for cash and bounty-land scrip at and above the minimum price of \$1.25 per acre, and amount received for the same, for the fiscal year ending June 30, 1873.		Amount paid for in cash, and in bounty-land scrip respectively, for the fiscal year ending June 30, 1873, mentioned in the first column.	
	Acres.	Amount.	Cash.	Military scrip.
Ohio.....	262.57	\$332.21	\$332.21	.....
Indiana.....	3,284.47	5,024.27	5,024.27	.....
Illinois.....	2,545.43	4,890.96	4,890.96	.....
Missouri.....	21,604.63	33,108.54	33,088.54	\$20.00
Alabama.....	286.11	4,626.32	4,626.32	.....
Mississippi.....	13.55	524.73	524.73	.....
Louisiana.....	1,093.63	4,805.68	4,805.68	.....
Michigan.....	499,864.46	728,661.44	716,156.92	12,504.52
Arkansas.....	310.70	6,778.43	6,778.43	.....
Florida.....	88.52	1,654.82	1,654.82	.....
Iowa.....	8,309.04	32,985.16	32,985.16	.....
Montana Territory.....	7,329.93	13,960.09	13,960.09	.....
Arizona Territory.....	5,990.80	7,841.06	7,841.06	.....
Utah Territory.....	23,857.42	36,630.87	36,630.87	.....
Wisconsin.....	300,470.73	514,022.57	503,524.07	10,498.50
California.....	202,060.73	489,497.05	489,497.05	.....
Nevada.....	4,937.76	11,538.59	11,538.59	.....
Minnesota.....	199,935.76	344,262.46	344,262.46	.....
Oregon.....	33,718.48	56,182.15	56,182.15	.....
Kansas.....	72,240.88	165,171.04	165,193.96	47.03
Washington Territory.....	54,957.70	91,433.45	91,433.45	.....
Nebraska.....	69,319.22	185,743.28	185,743.28	.....
New Mexico Territory.....	2,042.26	2,553.57	2,553.57	.....
Dakota Territory.....	19,752.34	31,619.58	31,619.58	.....
Colorado Territory.....	87,356.59	136,185.24	136,185.24	.....
Idaho Territory.....	3,206.79	5,656.22	5,656.22	.....
Wyoming Territory.....	1,424.87	2,374.48	2,374.48	.....
<b>Total.....</b>	<b>1,626,266.03</b>	<b>2,918,104.26</b>	<b>2,895,014.16</b>	<b>23,090.10</b>

To which add number of acres located with agricultural scrip and commissions

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1873.

disposed of for cash, with bounty-land scrip, by entry under the homestead laws of May 20, and homestead commissions; also locations with agricultural-college and mechanic scrip, under

Quantity of land entered under the homestead acts of May 20, 1862, and June 21, 1866, with aggregate of \$5 and \$10 payments required by section 2 of the acts; and also with aggregate of commissions of registers and receivers under section 6 of said act, and of act approved March 21, 1864, amendatory thereof.				Aggregate disposed of for cash, bounty-land scrip, and under homestead act of 1862, and acts amendatory.		Quantity of land located in the said fiscal year with agricultural-college scrip, act July 2, 1862, and registers and receivers' commissions on value of land located.		Incidental expenses.
Acres.	Amount of \$5 and \$10 payments.	Amount of registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
440.00	\$50 00	\$28 60	\$78 60	702.57	\$410 81			\$1,236 12
120,479.27	9,115 00	7,655 91	16,770 91	3,284.47	5,024 27			1,196 91
167,763.56	12,850 00	5,186 00	17,986 00	2,545.43	4,890 96			1,430 33
88,379.98	6,990 00	2,823 00	9,813 00	142,083.90	49,879 45			12,895 21
116,432.32	8,728 00	3,256 57	11,984 57	168,049.07	22,612 32			9,390 55
176,766.52	14,050 00	10,230 62	24,280 62	88,393.53	10,337 73			3,638 59
246,253.45	19,716 00	7,445 24	27,161 24	117,525.95	16,790 25			6,601 38
41,196.18	3,155 00	1,267 60	4,422 60	676,630.94	752,962 06	160.00	\$4 00	24,602 54
77,533.22	7,610 00	6,839 04	14,449 04	246,564.15	33,939 67			14,490 77
5,303.62	450 00	291 00	741 00	41,224.70	6,077 42			2,748 88
160.00	10 00	6 00	16 00	85,842.26	47,434 20	4,800.00	120 00	13,047 80
38,790.16	2,835 00	1,693 13	4,528 13	12,633.55	14,721 09	12,780.46	868 00	4,627 86
168,992.57	12,260 00	8,150 45	20,410 45	6,150.80	7,857 06	640.00	16 00	1,745 40
169,818.67	12,555 00	10,006 93	22,561 93	62,647.58	41,159 00	31,512.47	840 00	5,134 80
17,248.40	1,178 50	763 51	1,942 01	469,463.30	534,433 02	2,960.00	74 00	32,447 75
377,614.83	31,870 00	24,373 58	56,243 58	371,879.40	512,058 98	286,527.57	6,476 00	41,774 12
71,367.79	5,570 00	5,076 85	10,646 85	22,186.16	13,480 60	9,114.29	228 00	8,608 93
817,124.19	58,490 00	31,555 44	90,045 44	577,550.59	400,506 04	50,333.73	1,311 46	37,923 88
49,886.40	4,515 94	3,673 77	8,189 71	105,086.27	66,829 00	16,950.09	428 00	17,107 95
760,347.21	62,360 00	39,587 80	101,947 80	889,365.07	255,216 48	54,904.53	1,588 00	38,345 83
1,439.06	90 00	77 96	167 96	104,844.10	99,623 16	460.00	12 00	11,998 46
205,920.68	12,985 00	6,275 71	19,260 71	829,066.49	287,691 06	54,714.72	1,563 63	39,251 84
65,641.07	4,617 00	4,064 00	8,681 00	3,481.92	2,721 53	960.00	24 00	1,342 06
8,053.37	506 00	371 00	877 00	225,673.02	50,860 29	51,673.24	1,572 00	10,898 92
720.00	50 00	42 00	92 00	152,997.66	144,866 24	74,460.30	1,976 00	18,849 17
				11,260.16	6,533 22			2,635 52
				2,144.87	2,466 48	475 01	12 00	1,383 56
3,793,612.52	292,556 44	180,741 71	473,298 15	5,419,878.55	3,391,402 41	653,446 41	17,113.09	365,355 15
thereon				653,446.41	17,113 09			
				6,073,394.96	3,408,515 50			

WILLIS DRUMMOND,  
Commissioner.

## SWAMP LANDS.

No. 5.—Statement exhibiting the quantity of land selected for the several States under acts of Congress approved March 2, 1849, September 28, 1850, and March 12, 1860, to September 30, 1873.

States.	Fourth quarter of 1872.	First quarter of 1873.	Second quarter of 1873.	Third quarter of 1873.	Year ending June 30, 1873.	Total since date of grant.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Ohio .....						54,433.14
Indiana .....						1,354,732.50
Illinois .....						3,267,470.65
Missouri .....						4,604,448.75
Alabama .....						479,514.44
Mississippi .....						3,070,645.29
Louisiana, (act of 1849) .....						10,774,978.82
Louisiana, (act of 1850) .....						543,339.13
Michigan .....						7,273,724.72
Arkansas .....						8,652,432.93
Florida .....						11,790,637.46
Wisconsin .....						4,200,669.58
Iowa .....						3,449,720.18
California .....	20,422.42	25,226.11	59,502.21	4,276.14	105,309.74	1,611,718.61
Minnesota .....	171,365.81				171,365.81	1,448,321.28
Total .....	191,788.23	25,226.11	59,502.21	4,276.14	276,675.55	62,576,792.42

No. 6.—Statement exhibiting the quantity of land approved to the several States under the acts of Congress approved March 2, 1849, September 28, 1850, and March 12, 1860, to September 30, 1873.

States.	Fourth quarter of 1872.	First quarter of 1873.	Second quarter of 1873.	Third quarter of 1873.	Year ending June 30, 1873.	Total since date of grant.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Ohio .....						25,640.71
Indiana .....	120.00				120.00	1,263,876.68
Illinois .....		80.00			80.00	1,491,871.76
Missouri .....			15,894.82		16,733.01	4,349,374.22
Alabama .....						400,434.78
Mississippi .....						3,068,642.31
Louisiana, (act of 1849) .....		7,039.39	683.20		7,722.59	8,205,068.54
Louisiana, (act of 1850) .....						234,920.46
Michigan .....					1,547.87	5,693,506.53
Arkansas .....			624.29		4,036.36	7,574,750.30
Florida .....					234.12	10,901,241.88
Wisconsin .....						3,114,455.08
Iowa .....			23,483.19	1,779.49	23,956.81	909,334.10
California .....	20,422.42	25,226.11	59,502.21	4,276.14	105,309.74	1,467,406.93
Minnesota .....			79,084.15		79,084.15	1,632,994.49
Total .....	20,542.42	32,345.50	179,271.86	6,055.63	238,826.65	49,737,578.77

No. 7.—Statement exhibiting the quantity of land patented to the several States under the acts of Congress approved September 28, 1850, and March 12, 1860; and also the quantity certified to Louisiana under act approved March 2, 1849.

States.	1872.	1873.				Total since the date of grant.
	Fourth quarter.	First quarter.	Second quarter.	Third quarter.	Year end'g June 30.	
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Ohio .....					143.40	25,640.71
Indiana .....		120.00				*1,256,631.96
Illinois .....		80.00			80.00	†1,452,251.43
Missouri .....	4,633.41		16,054.82		20,688.23	‡3,177,761.20
Alabama .....						392,719.61
Mississippi .....						2,681,383.16
Louisiana { (Act of 1849) .....	7,039.39		683.20		7,722.59	8,205,068.54
Louisiana { (Act of 1850) .....						916,523.72
Michigan .....	80.00	1,467.87			1,587.87	§5,838,616.69
Arkansas .....	4,083.21		45,368.37		49,451.58	¶6,807,939.68
Florida .....						10,676,919.09
Wisconsin .....						‡3,046,116.65
Iowa .....	355.62	556.78		7,527.94	8,019.29	††1,156,930.55
California .....	12,861.57	103,265.44			326,321.09	‡‡1,192,629.62
Minnesota .....	8,008.06	16,057.13		17,664.50	24,065.19	§§8,666.39
Total .....	37,061.96	121,547.22	62,106.39	25,192.44	432,079.24	46,995,798.40

\* 4,880.20 acres of this contained in indemnity patents under act of March 2, 1855.  
 † 1,108.83 acres of this contained in indemnity patents under act of March 2, 1855.  
 ‡ 4,075.22 acres of this contained in indemnity patents under act of March 2, 1855.  
 § 18,823.93 acres of this contained in indemnity patents under act of March 2, 1855.  
 ¶ 39,910.75 acres of this contained in indemnity patents under act of March 2, 1855.  
 †† 320,908.23 acres of this contained in indemnity patents under act of March 2, 1855.

WILLIS DRUMMOND,  
*Commissioner.*

No. 8.—Statement showing the condition of the State selections under the act of September 4, 1841, to June 30, 1873.

States.	Number of acres to which each State was entitled under the eighth section of the act of September 4, 1841.	Number of acres approved up to June 30, 1873.	Number of acres remaining to each State, to be selected on the 1st day of July, 1873.
Illinois .....	209,085.50	*209,060.05	25.45
Missouri .....	500,000.00	500,000.00	
Alabama .....	97,469.17	*97,469.17	
Mississippi .....	500,000.00	500,000.00	
Louisiana .....	500,000.00	452,166.97	17,833.03
Michigan .....	500,000.00	498,658.54	1,341.46
Arkansas .....	500,000.00	499,880.05	119.97
Florida .....	499,990.00	450,823.82	49,166.18
Iowa .....	500,000.00	500,000.00	
Wisconsin .....	500,000.00	499,973.87	26.13
California .....	500,000.00	387,906.02	112,093.98
Kansas .....	500,000.00	495,552.20	4,447.80
Minnesota .....	500,000.00	488,622.06	11,377.94
Oregon .....	500,000.00	431,570.42	68,429.58
Nevada .....	500,000.00	268,950.81	231,049.19
Nebraska .....	500,000.00	494,595.25	5,404.75
Total .....	7,306,544.67	6,805,215.21	501,329.46

\* The States of Illinois and Alabama received grants under prior acts which, with the quantities here given, make up the quantity of 500,000 acres.

WILLIS DRUMMOND,  
*Commissioner.*

DEPARTMENT OF THE INTERIOR,  
 General Land-Office, 1873.

No. 9.—Condition of bounty-land business under acts of 1847, 1850, 1852, and 1855, showing the issues and locations from the commencement of operations under said acts to June 30, 1873.

Grade of warrants.	Number issued.	Acres embraced thereby.	Number located.	Acres embraced thereby.	Number outstanding.	Acres embraced thereby.
<b>Act of 1847:</b>						
160 acres.....	80,654	12,904,640	78,772	12,603,520	1,882	301,120
40 acres.....	7,583	303,320	7,038	281,520	545	21,800
<b>Total.....</b>	<b>88,237</b>	<b>13,207,960</b>	<b>85,810</b>	<b>12,885,040</b>	<b>2,427</b>	<b>322,920</b>
<b>Act of 1850:</b>						
160 acres.....	27,438	4,390,080	26,685	4,269,600	753	120,480
80 acres.....	57,711	4,616,880	55,934	4,474,720	1,777	142,160
40 acres.....	103,971	4,158,840	100,092	4,003,680	3,879	155,160
<b>Total.....</b>	<b>189,120</b>	<b>13,165,800</b>	<b>182,711</b>	<b>12,748,000</b>	<b>6,409</b>	<b>417,800</b>
<b>Act of 1852:</b>						
160 acres.....	1,223	195,680	1,191	120,560	32	5,120
80 acres.....	1,698	135,840	1,657	132,560	41	3,280
40 acres.....	9,064	362,560	8,858	354,320	206	8,240
<b>Total.....</b>	<b>11,985</b>	<b>694,080</b>	<b>11,706</b>	<b>677,440</b>	<b>279</b>	<b>16,640</b>
<b>Act of 1855:</b>						
160 acres.....	113,416	18,146,560	105,919	16,947,040	7,497	1,199,520
120 acres.....	96,899	11,627,880	89,180	10,701,600	7,719	926,280
100 acres.....	6	600	5	500	1	100
80 acres.....	49,369	3,951,120	47,189	3,775,120	2,200	176,000
60 acres.....	359	21,540	298	17,880	61	3,660
40 acres.....	539	21,560	450	18,000	89	3,560
10 acres.....	5	50	3	30	2	20
<b>Total.....</b>	<b>280,613</b>	<b>33,769,310</b>	<b>243,044</b>	<b>31,460,170</b>	<b>17,569</b>	<b>2,309,140</b>
<b>SUMMARY.</b>						
Act of 1847.....	88,237	13,207,960	85,810	12,885,040	2,427	322,920
Act of 1850.....	189,120	13,165,800	182,711	12,748,000	6,409	417,800
Act of 1852.....	11,985	694,080	11,706	677,440	279	16,640
Act of 1855.....	280,613	33,769,310	243,044	31,460,170	17,569	2,309,140
<b>Total.....</b>	<b>549,955</b>	<b>60,837,150</b>	<b>523,271</b>	<b>57,770,650</b>	<b>26,684</b>	<b>3,066,509</b>

WILLIS DRUMMOND, *Commissioner.*

DEPARTMENT OF THE INTERIOR,  
GENERAL LAND OFFICE, *September, 3, 1873.*

No. 10.—Agricultural selections within certain States, and also scrip locations under agricultural and mechanic act of July 2, 1862, and supplements of April 14, 1864, and July 23, 1866.

Land-districts.	Quantity selected in place for the fiscal year ending June 30, 1873.	Quantity located for the fiscal year ending June 30, 1873.	Land-districts.	Quantity selected in place for the fiscal year ending June 30, 1873.	Quantity located for the fiscal year ending June 30, 1873.
	<i>Acres.</i>	<i>Acres.</i>		<i>Acres.</i>	<i>Acres.</i>
<b>MICHIGAN.</b>			<b>OREGON.</b>		
Detroit.....		160.00	Roseburgh.....		9,116.97
<b>IOWA.</b>			Lo Grand.....		7,519.01
Sioux City.....		4,800.00	Linkville.....		314.11
<b>MONTANA TERRITORY.</b>			<b>KANSAS.</b>		
Helena.....		12,780.46	Topeka.....		880.00
<b>ARIZONA.</b>			Salina.....		15,199.06
Prescott.....		640.00	Wichita.....		1,916.17
<b>UTAH.</b>			Concordia.....		22,198.52
Salt Lake City.....		31,512.47	Cawker City.....		14,710.78
<b>WISCONSIN.</b>			<b>WASHINGTON TERRITORY.</b>		
Bayfield.....		1,040.00	Olympia.....		160.00
Eau Claire.....		1,920.00	Vancouver.....		160.00
<b>CALIFORNIA.</b>			Walla-Walla.....		160.00
San Francisco.....	1,702.73	77,003.61	<b>NEBRASKA.</b>		
Marysville.....	2,400.00	61,654.59	West Point.....		3,800.00
Humboldt.....		5,920.00	Beatrice.....		7,040.00
Stockton.....	1,740.00	56,924.82	Lincoln.....		8,160.00
Visalia.....	960.03	34,387.74	Dakota.....		6,048.24
Sacramento.....	560.00	38,973.83	Grand Island.....		13,598.10
Los Angeles.....	2,860.38	5,760.00	North Platte.....		800.00
Shasta.....		5,110.98	<b>NEW MEXICO TERRITORY.</b>		
Susanville.....		800.00	Santa Fe.....		960.00
<b>NEVADA.</b>			<b>DAKOTA.</b>		
Carson City.....		320.00	Vermillion.....		26,982.15
Aurora.....		8,794.29	Springfield.....		7,355.20
<b>MINNESOTA.</b>			Yankton.....		17,335.89
Taylor's Falls.....		320.00	<b>COLORADO.</b>		
Saint Cloud.....		5,120.00	Denver City.....		23,154.36
Jackson.....		5,440.00	Fair Play.....		2,876.39
New Ulm.....		2,238.31	Central City.....		7,200.00
Litchfield.....		1,280.00	Pueblo.....		41,229.55
Du Luth.....		9,280.00	<b>WYOMING TERRITORY.</b>		
Alexandria.....		7,650.33	Cheyenne.....		475.01
Oak Lake.....		17,077.69			
Redwood Falls.....		1,918.40			

RECAPITULATION.

Michigan.....		160.00
Iowa.....		4,800.00
Montana.....		12,780.46
Arizona.....		640.00
Utah.....		31,512.47
Wisconsin.....		2,960.00
California.....	10,223.29	226,527.57
Nevada.....		9,114.29
Minnesota.....		50,333.73
Oregon.....		16,950.09
Kansas.....		54,904.53
Washington Territory.....		480.00
Nebraska.....		54,714.72
New Mexico.....		960.00
Dakota.....		51,673.24
Colorado.....		74,460.30
Wyoming Territory.....		475.01
<b>Total.....</b>	<b>10,223.29</b>	<b>653,446.41</b>

## REPORT OF THE COMMISSIONER OF

No. 11.—Statement exhibiting land concessions by acts of Congress to States for canal purposes from the year 1827 to June 30, 1873.

States.	Date of laws.	Statutes.	Page.	Name of canal.	Total number of acres granted.
Indiana .....	Mar. 2, 1827	4	236	} Wabash and Erie Canal .....	1, 439, 279
Do .....	Feb. 27, 1841	5	414		
Do .....	Mar. 3, 1845	5	731		
Ohio .....	Mar. 2, 1827	4	236	} .....	266, 535
Do .....	June 30, 1834	4	716		
Do .....	May 24, 1828	4	305	Miami and Dayton Canal .....	333, 826
Do, (sec. 5) .....	do .....	4	306	General canal purposes .....	500, 000
Illinois .....	Mar. 2, 1827	4	224	Canal to connect the waters of the Illinois River with those of Lake Michigan.	290, 915
Wisconsin .....	June 18, 1838	5	245	Milwaukee and Rock River Canal .....	125, 431
Do .....	Apr. 10, 1866	14	39	Breakwater and harbor and ship-canal .....	200, 000
Michigan .....	Aug. 26, 1852	10	35	Saint Mary's ship-canal .....	750, 000
Do .....	Mar. 3, 1865	13	519	Portage Lake and Lake Superior ship-canal.	200, 000
Do .....	July 3, 1866	14	81	do .....	200, 000
Do .....	do .....	14	80	Ship-canal to connect the waters of Lake Superior with the lake known as Lac La Belle.	100, 000

## RECAPITULATION.

Indiana .....	1, 439, 279
Ohio .....	1, 100, 361
Illinois .....	290, 915
Wisconsin .....	325, 431
Michigan .....	1, 250, 000
Total quantity of acres granted .....	4, 405, 986

WILLIS DRUMMOND, *Commissioner.*

DEPARTMENT OF THE INTERIOR,  
General Land-Office, 1873.

No. 12.—Statement exhibiting land concessions by acts of Congress to States and corporations for railroad and military wagon-road purposes from the year 1850 to June 30, 1873.

States.	Date of laws.	Stat. utes.	Page.	Name of road.	Mile limits.	Estimated quantity embraced in the limits of the grant.	Estimated quantity which the company from the grant.	Number of acres certified for the year ending June 30, 1873.	Number of acres certified up to June 30, 1873.
Illinois	Sept. 20, 1850	9	466	Illinois Central	6 and 15	2,595,053.00	2,595,053.00	2,595,053.00	
Do	Sept. 30, 1850	9	466	Mobile and Chicago	6 and 15			737,130.20	
Mississippi	Sept. 30, 1850	9	466	Mobile and Ohio River	6 and 15	*1,004,640.00	737,130.00	198,027.82	
Do	Aug. 11, 1856	11	30	Vicksburg and Meridian	6 and 15	404,640.00	200,000.00		
Do	Aug. 11, 1856	11	30	Gulf and Ship Island	6 and 15	652,800.00	200,000.00		
Alabama	Sept. 20, 1850	9	466	Mobile and Ohio River	6 and 15	230,400.00	419,528.00	419,528.44	
Do	May 17, 1856	11	15	Alabama and Florida	6 and 15	1419,520.00	394,522.00	394,522.99	
Do	June 3, 1856	11	17	Selma, Rome and Dalton, formerly Alabama and Tennessee.	6 and 15	481,920.00	440,700.00	440,710.16	
Do	May 23, 1872	17	159	Act confirming lands heretofore certified to the State for the Alabama and Tennessee Railroad.					
Do	June 3, 1856	11	17	Coosa and Tennessee	6 and 15	1132,480.00	67,784.00	67,784.96	
Do	June 3, 1856	11	17	Mobile and Girard	6 and 15	1640,880.00	504,145.00	504,145.86	
Do	June 3, 1856	11	17	Alabama and Chattanooga, formerly the Northeastern and Southwestern and Willis Valley.	6 and 15	897,920.00	461,456.00	461,456.09	
Do	Apr. 10, 1860	16	45	Act to renew certain grants of land to the State of Alabama.					
Do	June 3, 1856	11	17	South and North Alabama, formerly the Tennessee and Alabama Central.	6 and 15	576,000.00	420,000.00	308,183.87	
Do	Mar. 3, 1871	16	580	Act to renew certain grants of land to the State of Alabama.					
Florida	May 17, 1856	11	15	Florida Railroad	6 and 15	442,542.14	281,984.00	281,984.17	
Do	May 17, 1856	11	15	Florida and Alabama	6 and 15	1165,688.00	165,688.00	165,688.00	
Do	May 17, 1856	11	15	Pensacola and Georgia	6 and 15	11,568,720.87	1,275,212.00	1,275,212.93	
Do	May 17, 1856	11	15	Florida, Atlantic and Gulf Central	6 and 15	1183,153.99	37,583.00	37,583.29	
Louisiana	June 3, 1856	11	18	Vicksburg and Shreveport	6 and 15	610,880.00	353,211.70	353,211.70	
Do	June 3, 1856	11	18	New Orleans, Opelousas and Great Western	6 and 15	967,840.00	1,307,200.00	719,103.75	
Do	July 14, 1870	16	277	Act declaring forfeited to the United States all the lands not lawfully disposed of by the State.					

\* In the adjustment of this grant the road was treated as an entirety and without reference to the State line; hence Alabama has approved to her more and Mississippi less land than they would appear to be entitled to in proportion to the length of road line in the respective States.  
 † No evidence of the construction of any part of these roads, as required by the acts, having been filed in the General Land-Office, the grants are presumed to have lapsed, but the lands have not been restored to the mass of public lands, Congress having taken no action to that end.  
 ‡ Eighty miles constructed road before the grant elapsed.



No. 12.—Statement exhibiting land concessions by acts of Congress to States and corporations, &c.—Continued.

States.	Date of laws.	Stat-utes.	Page.	Name of road.	Mile limits.	Estimated quantity embraced in the grant.	Limits of the grant.	Estimated quantity which the com-pany will receive from the grant.	Number of acres certified or pat-ented for the year ending June 30, 1873.	Number of acres certified or pat-ented up to June 30, 1873.
Arkansas	Feb. 9, 1853	10	155	Cairo and Fulton	6 and 15	1,160,667.00	1,115,408.00	1,115,408.00	1,115,408.41	1,115,408.41
Do.	July 28, 1866	14	338	Cairo and Fulton	Additional 5	1,040,000.00	300,000.00	300,000.00	102,764.63	102,764.63
Do.	May 6, 1870	16	376	Resolution extending time for completion of first twenty miles of road.						
Do.	Feb. 9, 1853	10	155	Memphis and Little Rock	6 and 15	438,646.80	127,238.00	127,238.00	6,709.19	127,238.51
Do.	July 28, 1866	14	338	Memphis and Little Rock	Additional 5	385,539.00	11,000.00	11,000.00	6,709.19	6,709.19
Do.	Feb. 9, 1853	10	155	Little Rock and Fort Smith	6 and 15	550,525.34	550,525.00	550,525.00	6,114.03	550,525.18
Do.	July 28, 1866	14	338	Little Rock and Fort Smith	Additional 5	458,771.00	450,000.00	450,000.00	6,114.03	6,114.03
Do.	Apr. 10, 1869	16	46	Act extending time for completion of first twenty miles of road.						
Do.	Mar. 8, 1870	16	76	Act repealing provision in act of April 10, 1869, as to mode of sales of land.						
Do.	July 4, 1866	14	83	Iron Mountain	10 and 20	864,000.00	200,000.00	200,000.00		
Missouri	June 10, 1852	10	8	Hannibal and Saint Joseph	6 and 15	781,944.83	590,400.00	590,400.00		590,031.65
Do.	June 10, 1852	10	8	Pacific and Southwest Branch	6 and 15	1,161,235.07	1,161,235.00	1,161,235.00		1,161,204.51
Do.	Feb. 9, 1853	10	155	Cairo and Fulton	6 and 15	219,262.31	63,540.00	63,540.00		63,540.11
Do.	July 28, 1866	14	338	Cairo and Fulton	Additional 5	182,718.00	5,000.00	5,000.00		
Do.	July 4, 1866	14	83	Saint Louis and Iron Mountain	10 and 20	640,000.00	120,000.00	120,000.00		
Do.	May 15, 1856	11	9	Burlington and Missouri River	6 and 15	948,643.66	292,085.53	292,085.53		291,725.00
Do.	June 2, 1864	13	96	Burlington and Missouri River	20		96,600.00	96,600.00		96,176.99
Do.	Feb. 10, 1866	14	349	Resolution extending time for completion of road.						
Do.	May 15, 1856	11	9	Chicago, Rock Island and Pacific, formerly Missis-sippi and Missouri.	6 and 15	1,981,181.60	482,500.00	482,500.00		482,254.36
Do.	June 2, 1864	13	98	Chicago, Rock Island and Pacific	20		160,991.23	160,991.23		159,883.10
Do.	Jan. 31, 1873	17	421	Act to quiet the title to certain lands in the State of Iowa.						
Do.	May 15, 1856	11	9	Cedar Rapids and Missouri River	6 and 15	1,298,739.00	800,000.00	800,000.00		778,869.17
Do.	June 2, 1864	13	96	Cedar Rapids and Missouri River	20		256,988.00	256,988.00		342,406.68
Do.	May 15, 1856	11	9	Iowa Falls and Sioux City, formerly Dubuque and Sioux City.	6 and 15	1,226,163.05	1,226,163.89	1,226,163.89		1,226,163.89
Do.	June 2, 1864	13	98	Authorizes the Dubuque and Sioux City Railroad to change their line of road.						
Do.	Mar. 2, 1868	15	38	Act extending time for completion of road to Janu-ary 1, 1872.						
Do.	May 12, 1864	13	72	McGregor and Missouri River	10 and 20	1,536,020.00	400,000.00	400,000.00		133,274.53
Do.	May 12, 1864	13	72	Sioux City and Saint Paul	10 and 20	524,800.00	400,000.00	400,000.00		396,838.80

THE GENERAL LAND OFFICE.

Michigan	June 3, 1856	11	21	Detroit and Milwaukee	6 and 15	355,490.19	30,998.75	30,998.75
Do	June 3, 1856	11	21	Fort Huron and Milwaukee	6 and 15	312,384.32	6,423.00	6,423.00
Do	June 3, 1856	11	21	Jackson, Lansing and Saginaw	6 and 15	1,052,469.19	750,000.00	742,940.36
Do	July 3, 1856	14	78	Act extending the time for completion of road seven years, &c.				
Do	Mar. 2, 1861	14	42	Act extending time for completion of first twenty miles of road.				
Do	Mar. 3, 1871	16	586	Act authorizing change of northern terminus from Traverse Bay to Straits of Mackinaw, and for other purposes.				
Do	June 3, 1856	11	91	Flint and Pere Marquette	6 and 15	586,622.73	513,000.00	513,000.00
Do	Feb. 7, 1855	13	569	Resolution extending time for completion of road				
Do	July 3, 1866	14	78	Act authorizing the company to change its western terminus of road.				
Do	Mar. 3, 1871	16	582	Act extending time for completion of road five years				
Do	June 3, 1856	11	94	Grand Rapids and Indiana	6 and 15	629,182.63	699,183.00	699,183.22
Do	June 7, 1864	13	119	Grand Rapids and Indiana, from Fort Wayne, Ind., to Grand Rapids.	6 and 20	531,200.00	212,500.00	212,143.53
Do	Mar. 3, 1865	13	530	Act extending time for completion of road eight years				
Do	June 3, 1856	11	91	Marquette, Houghton and Ontonagon	6 and 15	552,515.34	552,515.00	432,707.47
Do	Mar. 3, 1865	13	521	Marquette, Houghton and Ontonagon	20			
Do	May 20, 1868	15	222	Resolution extending time for completion of road with certain restrictions.				
Do	Apr. 20, 1871	17	643	Act authorizing the Houghton and Ontonagon Railroad Company to survey and locate anew a part of its road.				
Do	Mar. 3, 1865	13	521	Bay de Nocquet and Marquette	200 sections	128,000.00	128,000.00	128,000.00
Do	July 5, 1862	12	620	Chicago and Northwestern	6 and 15		75,562.83	
Do	May 3, 1865	13	521	Chicago and Northwestern	20	564,480.00	460,000.00	110,700.72
Do	May 23, 1872	17	160	Act authorizing change of route in Michigan				
Wisconsin	June 3, 1856	11	20	West Wisconsin, formerly the La Crosse and Milwaukee, and Tonnah and Saint Croix Railroads.	6 and 15	999,983.98	850,000.00	754,124.20
Do	May 5, 1864	13	66	West Wisconsin	10 and 20			
Do	Mar. 3, 1873	17	634	Act to quiet the title to the lands of the settlers on lands claimed by the West Wisconsin Railway Company.				
Do	June 3, 1856	11	20	Saint Croix and Lake Superior, and branch to Bayfield	6 and 15	*524,714.95	724,718.00	524,718.15
Do	May 5, 1864	13	66	Chicago and Northwestern	10 and 27	*318,727.74	468,740.00	318,740.80
Do	June 3, 1856	11	20	Resolution authorizing change of route in Wisconsin and selection of lands	6 and 15	*350,000.00	600,000.00	522,144.51
Do	Apr. 25, 1862	12	618	Act extending time for completion of road five years				
Do	Mar. 3, 1855	13	520	Authorizing selection of lands along the full extent of original route of road, &c.				
Do	Mar. 3, 1869	15	307	Wisconsin Central, formerly the Portage, Winnebago and Superior	6 and 15	*215,000.00	600,000.00	210,836.79
Do	May 5, 1864	13	66	Resolution explanatory of the act of May 5, 1864, and authorizing certain changes of width in accordance with the act of the State legislature.	10 and 20	750,000.00	750,000.00	33,708.12
Do	June 21, 1866	14	360					

\*No evidence of the construction of any part of the Saint Croix and Lake Superior Railroad and branch in Wisconsin, as required by the act, having been filed in the General Land-Office, the grant is presumed to have lapsed, but the lands have not, however, been restored to the mass of public lands, Congress having taken no action to that end.

No. 12.—Statement exhibiting land concessions by acts of Congress to States and corporations, &c.—Continued.

States.	Date of laws.	Statutes.	Page.	Name of road.	Mile limits.	Estimated quantity embraced in the limits of the grant.	Estimated quantity which the company will receive from the grant.	Number of acres certified or patented June 30, 1873.	Number of acres certified up to June 30, 1873.
Minnesota	Mar. 3, 1857	11	195	Saint Paul and Pacific	6 and 15	1,248,638.95	1,248,638.95	96,769.14	1,305,242.54
Do	Mar. 3, 1855	13	526	Saint Paul and Pacific	10 and 20				
Do	Mar. 3, 1872	17	631	Act extending time for completion of road nine months.					
Do	Mar. 3, 1857	11	195	Branch Saint Paul and Pacific	6 and 15	1,475,000.00	940,000.00	940.75	539,449.16
Do	Mar. 3, 1855	13	526	Branch Saint Paul and Pacific	10 and 20				
Do	July 12, 1862	12	624	Resolution authorizing the State to change the branch location					
Do	Mar. 3, 1871	16	588	Act under certain conditions to change the branch location	10 and 20	2,000,000.00	2,000,000.00	1,920.00	1,920.00
Do	Mar. 3, 1873	17	631	Saint Vincent extension of Saint Paul and Pacific.					
Do	Mar. 3, 1857	11	195	South terminus changed from Crow Wing to Saint Cloud.					
Do	Mar. 3, 1857	11	195	Act extending time for completion of road nine months					
Do	Mar. 3, 1857	11	195	Minnesota Central, formerly Minneapolis and Cedar Valley.	6 and 15	643,403.00	372,000.00		177,928.79
Do	Mar. 3, 1865	13	526	Minnesota Central, formerly Transit Railroad.	10 and 20				
Do	Mar. 3, 1857	11	195	Winona and Saint Peter	6 and 15	1,410,000.00	710,000.00	225,940.72	943,741.99
Do	Mar. 3, 1865	13	526	Winona and Saint Peter	6 and 15				
Do	July 13, 1866	14	97	Act allowing selections within twenty miles of road prior to withdrawal of same	10 and 20				
Do	Jan. 13, 1873	17	409	Act extending the time for completion of road.					
Do	Mar. 3, 1857	11	195	Saint Paul and Sioux City	6 and 15	1,010,000.00	850,000.00	2,925.31	836,419.91
Do	May 12, 1864	13	74	Saint Paul and Sioux City	10 and 20				
Do	July 13, 1866	14	97	Act extending the time for completion of road seven years					
Do	May 5, 1864	13	64	Lake Superior and Mississippi	10 and 20	920,000.00	709,000.00	125,064.34	518,938.61
Do	July 13, 1866	14	93	Act authorizing the Lake Superior and Mississippi Railroad Company to make up deficiency of land within thirty miles of west line of road.					
Do	July 4, 1866	14	87	Southern Minnesota	10 and 20	73,5000.00	450,000.00	53,647.19	247,967.91
Do	July 4, 1866	14	87	Hastings and Dakota	10 and 20	550,000.00	500,000.00		
Do	Mar. 3, 1863	12	772	Leavenworth, Lawrence and Galveston	10 and 20	800,000.00	463,000.00	77,012.16	945,301.22
Do	July 1, 1864	13	339	Act authorizing change of route of branch line					
Do	Apr. 10, 1871	17	5	Act authorizing the company to relocate a portion of its road.					
Do	Mar. 3, 1863	12	772	Missouri, Kansas and Texas	10 and 20	1,520,000.00	800,000.00	126,303.66	634,545.93
Do	July 1, 1864	13	339	Act extending grant from Emporia to a point near Fort Riley.					



No. 12.—Statement exhibiting land concessions by acts of Congress to States and corporations, &c.—Continued.

States.	Date of laws.	Statutes.	Pages.	Name of road.	Mile limits.	Estimated quantity limited in the grant.	Estimated quantity which the company will receive from the grant.	Number of acres certified for the year ending June 30, 1873.	Number of acres certified or patented to June 30, 1873.
Corporations.	July 2, 1864	13	364	Burlington and Missouri River	20 sections per mile.	2,441,000.00	2,441,600.00	950,474.37	2,370,653.16
Do.	May 6, 1870	16	118	Act authorizing change of route and connection with the Union Pacific Railroad at or near Fort Kearney.					
Do.	July 2, 1864	13	363	Sioux City and Pacific	10 States, 20, 30, and 40; Territories, 40, 50, and 60.	60,000.00	45,000.00	99,744.38	99,744.38
Do.	July 2, 1864	13	365	Northern Pacific		47,000,000.00	47,000,000.00	374,665.76	374,665.76
Do.	May 7, 1866	14	355	Resolution extending time for commencing and completing road.					
Do.	July 1, 1868	15	255	Resolution extending time for commencing and completing road.					
Do.	Mar. 1, 1869	15	346	Resolution authorizing issue of bonds, &c.					
Do.	Apr. 10, 1869	16	57	Resolution authorizing the company to extend its branch line from Portland to Puget Sound, &c.					
Do.	May 31, 1870	16	378	Resolution authorizing the issue of mortgage bonds, reversing locations of main and branch lines in Washington Territory, extending indemnity limits, &c., &c.					
Do.	July 13, 1866	14	94	Pineville and Sacramento Valley	10 and 20	3,000,000.00	100,000.00		159,956.47
Do.	July 25, 1868	14	239	Oregon Branch of the Central Pacific	20 and 30	3,000,000.00	3,000,000.00		
Do.	June 25, 1868	15	60	Act extending time for completion of road					
Do.	June 25, 1868	15	60	Act amendatory of the original act and providing for the sale of the lands to actual settlers at a fixed price and limited quantity.					
Do.	Apr. 10, 1869	16	47	Act amendatory of the original act and providing for the sale of the lands to actual settlers at a fixed price and limited quantity.					
Do.	July 25, 1866	14	239	Oregon and California	20 and 30	3,500,000.00	3,500,000.00		221,806.30
Do.	June 25, 1868	15	60	Act extending time for completion of road					
Do.	Apr. 10, 1869	16	47	Act amendatory of the original act and providing for the sale of the lands to actual settlers at a fixed price and limited quantity.					
Do.	July 27, 1866	14	292	Atlantic and Pacific	States 20 and 30; Territory 30, 40 and 50	42,000,000.00	46,000,000.00	2,792.03	499,142.20
Do.	Apr. 20, 1871	17	19	Act authorizing the company to mortgage its road					
Do.	July 27, 1866	14	292	Southern Pacific	20 and 30	6,000,000.00	3,750,000.00		
Do.	Mar. 3, 1871	16	579	Southern Pacific from a point at or near Tehachapa Pass to the Texas Pacific Railroad at or near Colorado River.	20 and 30	3,520,000.00	3,000,000.00		
Do.	Mar. 2, 1867	14	546	Stockton and Copperopolis	10 and 20	320,000.00	100,000.00		
Do.	May 4, 1870	16	94	Oregon Central	20 and 25	1,200,000.00	300,000.00		

Do.	Mar. 3, 1871	16	573	Texas Pacific	California, 20 and 30; Ter. rights, 40 and 30; 20 and 30	18,000,000.00	17,000,000.00	
Do.	Mar. 3, 1871	16	579	New Orleans, Baton Rouge and Vicksburgh.		3,800,000.00	1,000,000.00	
WAGON ROADS.								
Wisconsin	Mar. 3, 1863	12	797	From Fort Wilkins, Copper Harbor, Michigan, to Fort Howard, Green Bay, Wisconsin.	3 and 15	302,930.36	302,930.36	302,930.3
Do.	June 8, 1868	15	67	Act extending time for completion of road to March 1, 1870.				
Do.	May 6, 1870	16	121	Act extending time for completion of road to January 1, 1872.				
Michigan	Mar. 3, 1863	12	797	From Fort Wilkins, Copper Harbor, Michigan, to Fort Howard, Green Bay, Wisconsin.	3 and 15	321,013.97	321,013.00	102,992.24
Do.	June 8, 1868	15	67	Act extending time for completion of road to March 1, 1870.				
Do.	May 6, 1870	16	121	Act extending time for completion of road to January 1, 1872.				
Do.	Apr. 24, 1872	17	56	Act extending time for completion of road to January 1, 1874.				
Do.	June 20, 1864†	13	140	No map filed; limitations of grant expired June 20, 1869.				
Oregon	July 2, 1864	13	355	Oregon Central Military Road	3	720,000.00	720,000.00	361,357.43
Do.	Dec. 28, 1866	14	374	Act making provision for indemnity limits of six miles	6			
Do.	Mar. 3, 1869	15	338	Act extending time for completion of road to July 2, 1872.				
Do.	July 4, 1866	14	66	Corvallis and Aquinas Bay	3	76,800.00	76,800.00	57,506.89
Do.	July 5, 1866	14	89	Willamette Valley and Cascade Mountain	3 alternate sections to be selected within six miles.	460,000.00	460,000.00	107,942.28
Do.	July 15, 1871	16	363	An act amendatory to original act.				
Do.	Feb. 27, 1867	14	409	Dallas Military Road.	3 and 10	556,800.00	556,800.00	126,910.23
Do.	Mar. 3, 1869	15	340	Coos Bay Military Road.	3 and 6	75,000.00	50,000.00	29,482.92

\* No evidence of the completion of any part of the Placerville and Sacramento Valley Railroad, as required by the act, having been filed in the General Land Office the grant is presumed to have lapsed; but the lands have not, however, been restored to the mass of public lands, Congress having taken no action to that end.

† Providing for two roads.

## No. 12.—Statement exhibiting land concessions, &amp;c.—Continued.

## RECAPITULATION.

States.	Estimated quantity embraced in the limits of the grant.	Estimated quantity which the company will receive from the grant.	Number of acres certified or patented under the grants.
Illinois.....	2,595,053.00	2,595,053.00	2,595,053.00
Mississippi.....	2,092,240.00	1,137,130.00	935,158.11
Alabama.....	3,579,120.00	2,708,135.00	2,596,332.37
Florida.....	2,360,114.00	1,760,467.00	1,760,468.39
Louisiana.....	1,578,730.00	660,411.70	1,072,405.45
Arkansas.....	4,878,149.14	2,753,171.00	1,308,754.95
Missouri.....	2,985,160.21	1,949,175.00	1,823,776.27
Iowa.....	6,795,527.31	4,215,398.65	3,907,602.52
Michigan.....	4,712,480.29	3,282,625.75	2,805,608.15
Wisconsin.....	3,758,436.07	3,343,426.00	2,153,435.78
Minnesota.....	9,992,041.95	7,776,638.95	4,371,058.91
Kansas.....	9,370,000.00	4,797,000.00	3,582,083.06
	54,667,041.97	36,978,594.05	29,451,736.96
Corporations: Pacific railroads.....	159,364,766.00	150,281,766.00	5,169,090.90
	214,031,807.97	187,960,360.05	34,620,827.86
Wagon-roads: Wisconsin.....	302,930.96	302,930.36	302,930.96
Michigan.....	221,013.37	221,013.00	162,992.24
Oregon.....	1,888,600.00	1,863,600.00	683,169.75
	216,444,322.90	189,647,903.41	35,769,920.81
Deduct for lands reverted and lapsed, and for lands declared forfeited by Congress.....	6,539,544.55	4,350,385.75	4,007,590.73
Total.....	209,904,807.65	185,297,517.66	31,762,330.08

WILLIS DRUMMOND, *Commissioner.*DEPARTMENT OF THE INTERIOR,  
General Land-Office, 1873.*Rights of way granted to railroad companies in certain States and Territories.*

States.	Date of laws.	Statutes.	Page.	Name of railroad.
Iowa.....	June 4, 1872	17	220	Act granting right of way to the Davenport and Saint Paul Company.
Florida.....	June 4, 1872	17	224	Act granting right of way to the Great Southern Railway Company for 100 feet in width on each side of said road and branch.
Do.....	June 7, 1872	17	280	Act granting right of way to the Jacksonville and Saint Augustine Company for 100 feet in width on each side of road and any of its branches.
Alabama.....	June 8, 1872	17	340	Act granting right of way to the Pensacola and Louisville Company for 100 feet in width on each side of road, &c.
Oregon and Utah Territory.....	Apr. 12, 1872 Supplemental act	17	52	Act granting right of way to the Portland, Dalles and Salt Lake Company for 100 feet on each side of center line of road and branch.
	Mar. 3, 1873	17	612	
Utah Territory.....	Dec. 15, 1870	16	395	Act granting right of way to the Utah Central Company for 200 feet in width on each side of road, &c.
Dakota Territory.....	May 27, 1872	17	162	Act declaring the Dakota Southern Company a legal corporation, and granting the right of way for 100 feet on each side of road.
Do.....	June 1, 1872	17	202	Act granting the right of way to the Dakota Grand Trunk Company for 100 feet in width on each side of central line and branches.
Utah, Idaho, and Montana Territories.....	June 1, 1872	17	212	Act granting right of way to the Utah, Idaho and Montana Company for 100 feet in width on each side of center line of road.
Colorado.....	June 8, 1872	17	339	Act granting right of way to the Denver and Rio Grande Railway Company for 100 feet in width on each side of road, &c.
New Mexico.....	June 8, 1872	17	343	Act granting right of way to the New Mexico and Gulf Railway Company for 100 feet in width on each side of road, &c.
Nevada.....	June 10, 1872	17	393	Act granting right of way to the Eastern Nevada Railroad Company for 100 feet in width on each side of road, &c.
Washington Territory.....	Mar. 3, 1869	15	325	Act granting right of way to the Walla-Walla and Columbia River Railroad Company for 100 feet in width on each side of road, &c.
Do.....	Mar. 3, 1873	17	613	Act amendatory of the original.

No. 13.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1875, by the General Land-Office.*

Detailed objects of expenditure and explanation.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
<b>SALARIES.</b>			
Commissioner General Land-Office, act of July 4, 1836, (Stat. L., vol. 5, p. 111, sec. 10;) act of March 3, 1873, (Stat. L., vol. 17, p. 508, sec. 3.)	\$4, 000		
Chief clerk, act of March 3, 1853, (Stat. L., vol. 111, p. 211, sec. 3)...	2, 000		
Recorder, act of July 4, 1836, (Stat. L., vol. 5, p. 111, sec. 4;) act of March 3, 1837, (Stat. L., vol. 5, p. 164, sec. 1.)	2, 000		
Three principal clerks, of public lands, of private land-claims and surveys, at \$1,800 each, act of July 4, 1836, (Stat. L., vol. 5, p. 109, sec. 2;) (Stat. L., vol. 5, pp. 109, 111, sec's 2 and 3.)	5, 400		
Three clerks of class 4, act of March 3, 1853, (Stat. L., vol. 10, p. 211, sec. 3.)	5, 400		
Twenty-three clerks of class 3, act of March 3, 1853, (Stat. L., vol. 10, p. 211, sec. 3;) act of April 22, 1854, (Stat. L., vol. 10, p. 276, sec. 1.)	36, 800		
Forty clerks of class 2. (Same acts) .....	56, 000		
Forty clerks of class 1. (Same acts) .....	48, 000		
Draughtsman, at \$1,600, and assistant draughtsman, at \$1,400, act of July 4, 1836, (Stat. L., vol. 5, p. 112, sec. 10;) act of April 22, 1854, (Stat. L., vol. 10, p. 276, sec. 1.)	3, 000		
Two messengers, at \$840 each, and three assistant messengers at \$720 each, act of July 4, 1836, (Stat. L., vol. 5, p. 112, sec. 10;) act of August 18, 1856, (Stat. L., vol. 11, p. 145, sec. 1;) act of March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1;) act of July 12, 1870, (Stat. L., vol. 16, p. 243, sec. 1.)	3, 840		
Two packers, at \$720 each, act of July 4, 1836, (Stat. L., vol. 5, p. 112, sec. 10;) act of March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1.)	1, 440		
Seven laborers, at \$720 each, act of August 18, 1856, (Stat. L., vol. 11, p. 145, sec. 1;) act of July 12, 1870, (Stat. L., vol. 16, p. 250, sec. 3.)	5, 040	\$172, 920	\$171 920
<i>Additional clerks on account of military bounty lands.</i>			
One principal clerk as director, act of March 3, 1855, (Stat. L., vol. 10, p. 664, sec. 1.)	2, 000		
One clerk of class 3. (Same act) .....	1, 600		
Four clerks of class 2. (Same act) .....	5, 600		
Thirty-five clerks of class 1, act of March 3, 1855, (Stat. L., vol. 10, p. 664, sec. 1;) act of July 12, 1870, (Stat. L., vol. 16, p. 243, sec. 1.)	42, 000		
Two laborers, at \$720 each, act of August 18, 1856, (vol. 11, p. 145, sec. 1;) act of March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1;) act of July 12, 1870, (Stat. L., vol. 16, p. 250, sec. 3.)	1, 440	52, 640	52, 640
Compensation of President's secretary to sign patents for public lands, act of July 4, 1836, (Stat. L., vol. 5, p. 111, sec. 6.)	1, 500	1, 500	1, 500
<b>CONTINGENT EXPENSES.</b>			
Stationery, diagrams, parchment paper for land-patents, furniture and repairs of the same, miscellaneous items, including two of the city newspapers, to be filed, bound, and preserved for the use of the office, advertising and telegraphing.	30, 000	30, 000	30, 000

WILLIS DRUMMOND, *Commissioner.*



No. 14.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1875, by the General Land-Office.*

Detailed objects of expenditure and explanations.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
ESTIMATE FOR PRINTING, BINDING, ETC. (Act of May 8, 1872, sec. 2.)			
Land-Office Reports, with accompanying map, circulars, patents, tract-book, indices, records, field-notes, abstracts, and other miscellaneous printing and binding required for the use of the office.	\$30,000	\$30,000	\$30,000
COLLECTING REVENUE FROM SALES OF PUBLIC LANDS.			
Salaries and commissions of registers and receivers. (See detailed estimate herewith. See note No. 1.)	489,700	489,700	498,700
Incidental expenses of the several land-offices .....	54,340	54,340	55,040
Expense of depositing public moneys .....	13,000	13,000	13,000

WILLIS DRUMMOND, *Commissioner.*

DEPARTMENT OF THE INTERIOR,  
*General Land-Office, October 26, 1873.*

*Detailed estimate of amount for salaries and commissions of registers and receivers and incidental expenses of the several land-offices during the fiscal year ending June 30, 1873.*

States and Territories.	Land-offices.	Salaries and commissions.	Incidental expenses.	Total.
Alabama .....	Huntsville .....	\$6,000	\$600	
	Montgomery .....	6,000	1,000	
Arizona.....	Mobile .....	5,000	500	\$19,100
	Prescott .....	3,000	400	
Arkansas .....	Florence .....	4,000	600	8,000
	Dardanelle .....	6,000	600	
California.....	Harrison .....	6,000	600	
	Little Rock .....	6,000	900	
	Camden .....	6,000	740	26,840
	San Francisco .....	6,000	900	
	Sacramento .....	6,000	600	
	Marysville .....	6,000	900	
	Humboldt .....	6,000	900	
	Susanville .....	6,000	900	
	Stockton .....	6,000	900	
	Los Angeles .....	6,000	600	
Vialia .....	6,000	900		
Shasta .....	6,000	900		
Ohio .....	Independence .....	6,000	600	68,100
	Chillicothe .....	2,000	550	
Indiana .....	Indianapolis .....	1,500	200	2,550
Missouri .....	Boonville .....	6,000	750	1,800
	Ironton .....	6,000	600	
Mississippi .....	Springfield .....	6,000	600	19,950
	Jackson .....	6,000	600	
Louisiana .....	Natchitoches .....	4,000	600	6,600
	Monroe .....	5,000	600	
Michigan .....	New Orleans .....	6,000	600	16,800
	Detroit .....	5,000	800	
Florida .....	East Saginaw .....	6,000	600	
	Ionia .....	5,000	600	
	Marquette .....	6,000	600	
	Traverse City .....	6,000	600	31,200
Gainesville .....	6,000	600		
Iowa .....	Fort Des Moines .....	6,000	600	6,600
	Sioux City .....	6,000	600	
Nevada .....	Carson City .....	5,000	500	13,200
	Eureka .....	5,000	500	
	Pioche .....	3,000	300	
	Elko .....	6,000	600	

Detailed estimate of amount for salaries and commissions, &c.—Continued.

States and Territories.	Land-offices.	Salaries and commissions.	Incidental expenses.	Total.
Washington	Olympia	\$6,000	\$600	
	Vancouver	6,000	600	
Oregon	Walla-Walla	6,000	600	\$19,800
	Oregon City	6,000	600	
	Roseburgh	6,000	600	
	Le Grand	6,000	600	
Colorado	Linkville	6,000	600	26,400
	Pueblo	6,000	600	
	Central City	4,000	400	
	Denver City	6,000	600	
Illinois	Fair Play	5,000	500	23,100
	Springfield	1,200	600	1,800
Idaho	Boise City	3,000	300	
	Lewiston	2,000	200	5,500
Wyoming	Cheyenne	4,000	400	4,400
Wisconsin	Menasha	6,000	600	
	Falls Saint Croix	6,000	600	
	Wausau	6,000	600	
	La Crosse	6,000	600	
	Bayfield	6,000	600	
	Earl Claire	6,000	600	39,600
	Taylor's Falls	6,000	600	
	Saint Cloud	6,000	600	
	Du Luth	6,000	600	
	Alexandria	6,000	600	
	Jackson	6,000	600	
	New Ulm	6,000	600	
	Litchfield	6,000	600	
	Redwood Falls	6,000	600	59,400
Dakota	Detroit	6,000	600	
	Springfield	4,000	400	
	Sioux Falls	6,000	600	
	Pembina	6,000	600	
Kansas	Yankton	6,000	600	24,200
	Topeka	6,000	900	
	Salina	6,000	600	
	Independence	6,000	600	
Nebraska	Wichita	6,000	600	
	Concordia	6,000	600	
	Cawker City	6,000	600	39,900
	Norfolk	4,000	400	
	Beatrice	6,000	600	
	Lincoln	6,000	600	
	Dakota City	4,000	400	
	Grand Island	6,000	600	
	North Platte	6,000	600	
	Lowell	6,000	600	41,800
Montana	Helena	5,000	500	5,500
Utah	Salt Lake City	6,000	600	6,600
New Mexico	Santa Fé	4,000	400	4,400
	Total	489,700	54,340	544,040

WILLIS DRUMMOND,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office.

No. 15.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1875, by the Department of the Interior.*

Detailed objects of expenditure and explanations.	Estimate by surveyors-general.	Estimated amount which will be required for each defailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
<b>PUBLIC LANDS.</b>				
<i>Office of surveyor-general of Louisiana.*</i>				
Salaries:				
Surveyor-general, per act March 3, 1831, (4 Stat., p. 493, sec. 5) . . . .	\$2,000	\$2,000		
Clerks in his office, per act May 9, 1836, (5 Stat., p. 26, sec. 1) . . . . .	12,500	8,000		
			\$10,000	\$4,500
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act March 3, 1831, (4 Stat., p. 493, sec. 4.)	1,800	1,800	1,800	2,500
<i>Office of surveyor-general of Florida.†</i>				
Salaries:				
Surveyor-general, per act March 3, 1823, (3 Stat., p. 755, sec. 7) . . . . .	-----	2,000		
Clerks in his office, per act May 9, 1836, (5 Stat., p. 26, sec. 1) . . . . .	-----	4,200		
			6,200	5,500
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act May 9, 1836, (5 Stat., p. 26, sec. 1.)	-----	1,500	1,500	1,500
<i>Office of surveyor-general of Minnesota.‡</i>				
Salaries:				
Surveyor-general, per acts May 17, 1796, (1 Stat., p. 468, sec. 10,) and March 3, 1857, (11 Stat., p. 212, sec. 1.)	2,000	2,000		
Clerks in his office, per act May 9, 1836, (5 Stat., p. 26, sec. 1,) and March 3, 1857, (11 Stat., p. 212, sec. 1.)	8,600	8,600		
			10,600	10,400
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act May 9, 1836, (5 Stat., p. 26, vol. 1.)	2,200	2,200	2,200	2,200
<i>Office of surveyor-general of Dakota.§</i>				
Salaries:				
Surveyor-general, per act March 2, 1861, (10 Stat., p. 309, sec. 10) . . .	2,000	2,000		
Clerks in his office, per act March 2, 1861, (10 Stat., p. 309, sec. 10) . .	9,700	8,600		
			10,600	8,300
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act March 2, 1861, (10 Stat., p. 309, sec. 10.)	2,400	2,400	2,400	2,000
<i>Office of surveyor-general of Kansas.  </i>				
Salaries:				
Surveyor-general, per act July 22, 1854, (10 Stat., p. 309, sec. 10) . .	2,000	2,000		
Clerks in his office, per act July 22, 1854, (10 Stat., p. 309, sec. 10) .	7,500	7,500		
			9,500	9,500
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act July 22, 1854, (10 Stat., p. 309, sec. 10.)	2,000	2,000	2,000	2,000
<i>Office of surveyor-general of Colorado.¶</i>				
Salaries:				
Surveyor-general, per act February 28, 1861, (12 Stat., p. 176, sec. 17.)	3,000	3,000		
Clerks in his office, per act February 28, 1861, (12 Stat., p. 116, sec. 17.)	9,300	7,500		
			10,500	9,300
Contingent expenses:				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act February 28, 1861, (12 Stat., p. 176, sec. 17.)	3,000	3,000	3,000	2,000
<i>Office of surveyor-general of New Mexico.**</i>				
Salaries:				
Surveyor-general, per act July 22, 1854, (10 Stat., p. 309, sec. 10) . .	3,000	3,000		
Clerks in his office, per act July 22, 1854, (10 Stat., p. 309, sec. 10) .	11,000	6,300		
			9,300	9,300

No. 15.—Estimates of appropriations required by the General Land-Office, &c.—Continued.

Detailed objects of expenditure, and explanations.	Estimates by surveyors-general.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act July 22, 1854, (10 Stat., p. 309, sec. 10.)	\$3,000	\$2,500	\$2,500	\$2,000
<i>Office of surveyor-general of California.††</i>				
<b>Salaries:</b>				
Surveyor-general, per act May 30, 1862, (12 Stat., p. 410, sec. 9) .....		3,000		
Clerks in his office, per act March 3, 1853, (10 Stat., p. 245, sec. 2) .....		20,000	23,000	23,000
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act March 3, 1853, (10 Stat., p. 245, sec. 2.)		7,000	7,000	7,000
<i>Office of surveyor-general of Idaho.‡‡</i>				
<b>Salaries:</b>				
Surveyor-general, per act June 29, 1866, (14 Stat., p. 77, sec. 1) ....	3,000	3,000		
Clerks in his office, (per act June 29, 1866, (14 Stat., p. 77, sec. 1) ..	4,000	4,000	7,000	7,000
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act June 29, 1866, (14 Stat., p. 77, sec. 1.)	2,500	2,500	2,500	3,000
<i>Office of surveyor-general of Nevada.§§</i>				
<b>Salaries:</b>				
Surveyor-general, per act July 4, 1866, (14 Stat., p. 86, sec. 4) .....	3,000	3,000		
Clerks in his office, per act July 4, 1866, (14 Stat., p. 86, sec. 4) .....	9,300	7,500	10,500	9,300
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act July 4, 1866, (14 Stat., p. 86, sec. 4.)	4,400	4,000	4,000	3,700
<i>Office of surveyor-general of Oregon.    </i>				
<b>Salaries:</b>				
Surveyor-general, per act May 30, 1862, (12 Stat., p. 410, sec. 9) .....	2,500	2,500		
Clerks in his office, per act September 27, 1850, (9 Stat., p. 496, sec. 2.)	8,000	8,000	10,500	7,900
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act September 27, 1850, (9 Stat., p. 496, sec. 2.)	2,000	2,000	2,000	2,000
<i>Office of surveyor-general of Washington Territory.†††</i>				
<b>Salaries:</b>				
Surveyor-general, per acts July 17, 1854, (10 Stat., p. 306, sec. 7,) and May 30, 1862, (12 Stat., p. 410, sec. 9.)	3,000	2,500		
Clerks in his office, per act March 3, 1853, (10 Stat., p. 674, sec. 26) ..	10,000	8,000	10,500	9,500
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act July 17, 1854, (10 Stat., p. 306, sec. 7.)	2,000	2,000	2,000	2,000
<i>Office of surveyor-general of Nebraska and Iowa.***</i>				
<b>Salaries:</b>				
Surveyor-general, per acts July 17, 1854, (10 Stat., p. 306, sec. 7,) and May 30, 1862, (12 Stat., p. 410, sec. 9.)	3,000	2,000		
Clerks in his office, per acts July 17, 1854, (10 Stat., p. 306, sec. 7,) and May 30, 1862, (12 Stat., p. 410, sec. 9.)	9,800	6,300	8,300	8,300
<b>Contingent expenses:</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per acts June 12, 1838, (5 Stat., p. 243,) and March 2, 1867, (14 Stat., p. 448, sec. 1.)	3,000	3,000	3,000	2,500

No. 15.—*Estimates of appropriations required by the General Land-Office, &c.*—Continued.

Detailed objects of expenditure, and explanations.	Estimates by surveyors-general.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
<i>Office of surveyor-general of Montana. †††</i>				
<b>Salaries :</b>				
Surveyor-general, per act March 2, 1867, (14 Stat., p. 542, sec. 1)....	\$3,000	\$3,000		
Clerks in his office, per act March 2, 1867, (14 Stat., p. 542, sec. 1)...	10,800	6,000	\$9,000	\$9,000
<b>Contingent expenses :</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act March 2, 1867, (14 Stat., p. 542, sec. 1.)	3,000	2,500	2,500	2,500
<i>Office of surveyor-general of Utah. †††</i>				
<b>Salaries :</b>				
Surveyor-general, per act July 16, 1868, (15 Stat., p. 91, sec. 1).....		3,000		
Clerks in his office, per act July 16, 1868, (15 Stat., p. 91, sec. 1)...		4,700	7,700	7,700
<b>Contingent expenses :</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act July 16, 1868, (15 Stat., p. 91, sec. 1.)		2,000	2,000	2,000
<i>Office of surveyor-general of Wyoming. §§§</i>				
<b>Salaries :</b>				
Surveyor-general, per act February 5, 1870, (16 Stat., p. 65, sec. 2)...	3,000	3,000		
Clerks in his office, per act February 5, 1870, (16 Stat., p. 65, sec. 2)...	7,600	6,700	9,700	9,700
<b>Contingent expenses :</b>				
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act February 5, 1870, (16 Stat., p. 65, sec. 2.)	2,500	2,500	2,500	2,500
<i>Office of surveyor-general of Arizona. ††††</i>				
<b>Salaries :</b>				
Surveyor-general, per act July 11, 1870, (16 Stat., p. 230, sec. 1).....	3,000	3,000		
Clerks in his office, per act July 11, 1870, (16 Stat., p. 230, sec. 1)....	4,000	4,000	7,000	7,000
<b>Contingent expenses :</b>				
Rent of office for surveyor-general of Arizona fuel, books, stationery, and other incidental expenses, per act July 11, 1870, (16 Stat., p. 230, sec. 1.)	2,500	2,500	2,500	2,500
<i>Office of recorder of land titles in Missouri.</i>				
<b>Salary :</b>				
Recorder of land titles in Missouri, per act March 2, 1865, (2 Stat., p. 326, sec. 3.)		500	500	500

## NOTES TO THE FOREGOING TABLE.

\* The organic act of this surveying district provides \$2,500 for clerk-hire, and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service, involving the preparation of separate plats for the patenting of private claims, transcription of field notes for the General Land-Office, and the restoration of surveying archives destroyed during the late war.

† The organic act of this surveying district provides \$3,500 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

‡ The organic act of this surveying district provides \$6,300 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

§ The organic act of this surveying district provides \$1,000 for contingent expenses. This amount being inadequate, the present estimate is submitted as absolutely required for the service.

|| The organic act of this surveying district provides \$6,300 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

¶ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for contingent expenses. These amounts are inadequate, and the present estimates are submitted as absolutely required for the service.

\*\* The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

†† The organic act of this surveying district provides \$11,000 per annum for clerk-hire, and for inci-

dental expenses not exceeding \$10,000. The intricate business under numerous laws of Congress requires a much larger appropriation for clerks in the surveyor-general's office than the maximum of \$11,000 allowed by the organic act; hence the estimate of \$20,000 is submitted as absolutely required for the transaction of the current work of the office, and the bringing up of arrears in the preparation of descriptive notes of surveys for the local land-offices.

¶ The organic act of this surveying district provides \$1,000 for contingent expenses. The amount being inadequate, the present estimate is submitted as absolutely required for the service.

§§ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

¶¶ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for contingent expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

¶¶¶ The organic act of this surveying district provides \$6,300 for clerk-hire and \$1,000 for contingent expenses. The latter amount being inadequate, the present estimate is submitted as absolutely required for the service.

¶¶¶¶ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for contingent expenses. These amounts having proved inadequate, the present estimates are submitted as absolutely required for the service.

¶¶¶¶¶ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for incidental expenses. These amounts having proved inadequate, the present estimates are submitted as absolutely required for the service.

¶¶¶¶¶¶ The organic act of this surveying district provides \$4,000 for clerk-hire and \$1,000 for incidental expenses. These amounts being inadequate, the present estimates are submitted as absolutely required for the service.

¶¶¶¶¶¶¶ The organic act of this surveying district provides \$1,000 for contingent expenses. This amount being inadequate, the present estimate is submitted as absolutely required for the service.

¶¶¶¶¶¶¶¶ The organic act of this surveying district provides \$1,000 for contingent expenses. This amount being inadequate, the present estimate is submitted as absolutely required for the service.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, October —, 1873.

WILLIS DRUMMOND,  
Commissioner.

No. 16.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1875, by the Department of the Interior.*

Detailed objects of expenditure, and explanations.	Estimates by surveyors-general.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
<b>SURVEYING THE PUBLIC LANDS.</b>				
In Louisiana:				
1. At rates not exceeding \$12 per lineal mile for township and \$10 for section lines, including \$3,000 for the salary and expenses of a surveyor to locate private land-claims, (appropriated, Laws 1872-'73, p. 515, sec. 1.)	\$22,000	.....	\$22,000	\$18,000
In Florida:				
2. At rates not exceeding \$12 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 515, sec. 1.)	.....	.....	15,000	12,000
In Minnesota:				
3. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 515, sec. 1.)	40,000	.....	40,000	50,000
In Dakota:				
4. At rates not exceeding \$12 per lineal mile for standard, \$9 for township, and \$8 for section lines, (appropriated, Laws 1872-'73, p. 515, sec. 1.)	110,000	.....	80,000	80,000
In Montana:				
5. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 515, sec. 1.)	101,000	.....	60,000	60,000
In Nebraska:				
6. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	83,805	.....	60,000	60,000
In Kansas:				
7. At rates not exceeding \$12 per lineal mile for standard, \$9 for township, and \$8 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	89,688	.....	89,700	60,000
In Colorado:				
8. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73 p. 516, sec. 1.)	130,500	.....	80,000	80,000
In Idaho:				
9. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	40,920	.....	40,000	30,000
In New Mexico:				
10. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	125,960	.....	40,000	30,000
In California:				
11. At rates not exceeding \$15 per lineal mile for standard, \$14 for township, and \$12 for section lines; and for heavily timbered mountain lands at augmented rates not exceeding \$18 per lineal mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	.....	.....	90,000	90,000
In Oregon:				
12. At rates not exceeding \$15 per lineal mile for standard, \$14 for township, and \$12 for section lines; and for heavily timbered lands lying west of the Cascade Mountains at augmented rates not exceeding \$18 per lineal mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	89,820	.....	70,000	70,000
In Washington:				
13. At rates not exceeding \$15 per lineal mile for standard, \$14 for township, and \$12 for section lines; and for heavily timbered lands lying west of the Cascade Mountains at augmented rates not exceeding \$18 per lineal mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	102,720	.....	70,000	70,000
In Utah:				
14. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	.....	.....	30,000	25,000
In Nevada:				
15. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	75,100	.....	60,000	50,000

No. 16.—*Estimates of appropriations required by the General Land-Office, &c.*—Continued.

Detailed objects of expenditure, and explanations.	Estimates by surveyors-general.	Estimated amount which will be required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1874.
In Wyoming: 16. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	\$70,000	.....	\$60,000	\$50,000
In Arizona: 17. At rates not exceeding \$15 per lineal mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Laws 1872-'73, p. 516, sec. 1.)	30,000	.....	30,000	20,000
18. For occasional examination of the public surveys in the several surveying districts in order to test the accuracy of the work in the field, (act of March 3, 1853, 10 Stat., p. 247, sec. 10; act of March 3, 1873.)	.....	.....	15,000	15,000
(a) For survey of the boundary between the Territories of Utah and Arizona, being so much of the 37th parallel of north latitude as lies between the northwest corner of the Navajoe Indian reservation established on that parallel and the 37th meridian of west longitude from Washington Observatory, at a rate not exceeding \$70 per lineal mile, estimated distance 250 miles, (submitted.)	.....	.....	17,500	.....
(b) For survey of the boundary between New Mexico and Arizona, being so much of the 32d meridian west from Washington Observatory as lies between the 31.20 and 37th parallels of north latitude, at a rate not exceeding \$70 per lineal mile, estimated distance 391 miles, (submitted.)	.....	.....	27,370	.....
(c) For surveying confirmed private land-claims in California, at the rates prescribed by law, including office expenses incident to the service, (submitted.)	.....	.....	40,000	.....
(d) For surveying confirmed private land-claims in Colorado Territory, at the rate not exceeding \$15 per lineal mile, (submitted.)	.....	.....	10,000	.....
(e) For surveying confirmed private land-claims in New Mexico, at the rate not exceeding \$15 per lineal mile, (submitted.)	.....	.....	15,000	.....
Total .....	.....	.....	1,061,570	.....

EXPLANATION OF THE FOREGOING ESTIMATES.

- \$29,000 is estimated for the survey of public lands in the southwestern, south, eastern, and north-western districts, including compensation of \$1,800 per annum and expenses of surveyor to locate and survey confirmed private land-claims, and to examine and correct old erroneous locations, to complete detached and unfinished surveys, and to prepare the necessary office-work and search for information requisite to properly locate the claims, and to work on the exhibit of private land-claims.
- \$15,000 is estimated for surveying township and section lines in the southern peninsula of Florida and closing the lines of survey on the Georgia and Florida boundary line, in order to carry out the provisions of an act of Congress to settle and quiet the titles to lands along the boundary-line between the States of Georgia and Florida. (17 Stat., p. 52.)
- \$40,000 is estimated for surveys of guide meridians, standard parallels, township, and section lines required by actual settlers.
- \$90,000 is estimated for the extension of the line of survey along the Northern Pacific Railroad required by settlers along the route, and for surveys within the bounds of the late Sisseton and Wahpeton Sioux Indian reservation, and in the valleys of the Red River of the North and Missouri Rivers.
- \$60,000 is estimated for the extension of public surveys along the Northern Pacific Railroad and in mineral districts, as well as other portions of the Territory where actual settlements have been made and are awaiting subdivisional survey.
- \$80,000 is estimated for the extension of standard, township, and section lines to meet the wants of settlers.
- \$89,700 is estimated to complete the surveys in the field in order that the surveyor-general's office in that State may be closed up at an early date.
- \$80,000 is estimated for surveys along the line of actual and projected railroads, along the Platte and Arkansas, in the wet mountain valley, and to accommodate colonies along the Snake and Bear Rivers.
- \$40,000 is estimated for the survey of public lands required for settlement, and for the extension of township and section lines to mineral regions, in order to enable miners to locate their claims specifically, and to accommodate settlers along the line of the Northern Pacific Railroad route.
- \$40,000 is estimated in view of the construction of the Southern Pacific Railroad through the Territory, and in order to afford facilities to actual settlers along the road to select lands not inuring to the railroad; also to extend the lines of public surveys to agricultural and mineral lands.



11. \$90,000 is estimated for the extension of the lines of public survey to accommodate actual settlers, and for closing the lines of survey upon the boundary line between California and Nevada, recently established by an act of Congress.

12. \$70,000 is estimated for surveys within the limits of various rail and wagon roads, grants which have long since been made, and in localities where lands are needed for settlement.

13. \$70,000 is estimated for the survey of lands along the line of the Northern Pacific Railroad and around Puget Sound and Admiralty Inlet, and to complete the surveys east of the Cascade Mountains, along the located line of the Northern Pacific Railroad.

14. \$30,000 is estimated for continuing the surveys of public lands along the route of the Union Pacific and Central Pacific Railroads; also for the extension of the lines to mineral regions of the Territory, to enable miners to properly locate their claims by legal subdivision, and for the survey of valleys required for settlement.

15. \$60,000 is estimated for extending the lines of public survey in the southern and eastern portion of the district consequent upon the rapidly increasing settlements on agricultural lands and the development of new mining regions, and to close the lines of survey upon the California and Nevada boundary, established by a recent act of Congress.

16. \$60,000 is estimated for extending the standard and meridian lines to cover the limits of the land-grant of the Union Pacific Railroad, and for surveying township and subdivisional lines of agricultural, grazing, coal, and timber lands within and adjoining the same.

17. \$30,000 is estimated to continue the present lines of survey consequent upon increasing settlements, and to extend standard and township lines to distant valleys where settlements exist; also for surveys along the line of the Atlantic and Pacific Railroad route.

18. \$15,000 is estimated to cover expenses of examiners to be designated by the Commissioner of the General Land-Office or surveyors-general, to test the fidelity of the execution of the field-work; also to enable the surveyors-general to satisfy themselves of the correctness of the returns made of the field-work, where doubts exist as to the faithful execution of the work, before approval of the same.

(a, b.) These two estimates are necessary to separate several jurisdictions of Territories so that the respective inhabitants may know to which particular Territory their rights of citizenship belong; the boundaries are needed to close the lines of public surveys thereon, based on different bases and meridians; also to enable the land officers to know that public lands disposed of by them are within their respective districts, and afford facilities to settlers on surveyed and unsurveyed lands to apply to the proper land officers to file declarations to enter lands.

(c, d, e.) These three sums are estimated for the reason that the act of Congress entitled "An act for the survey of grants or claims of land," approved June 2, 1862, U. S. Stats. at Large, vol. 12, p. 410, which required such surveys to be made at the cost of the claimants, was repealed February 18, 1871, (U. S. Stats. at Large, vol. 18, p. 416.) Under the circumstances, no contracts for the survey of private land-claims can be entered into by the respective surveyors-general, unless parties interested deposit the necessary funds for the service. This they are, in some instances, unwilling or unable to do, for the reason that it is not required of them by the existing laws upon the subject. The segregation of the private land-claims from the mass of public lands is called for to secure the best interests of the Government, as well as the welfare of settlers located often on public lands but claimed by grantees as confirmed claims.

WILLIS DRUMMUND,  
*Commissioner.*

DEPARTMENT OF THE INTERIOR,  
*General Land-Office, October —, 1873.*

No. 17.—Table showing the time when the various railroad rights attach to the lands granted, so far as at present determined.

States.	Names of roads.	Dates.
Illinois .....	Illinois Central.....	September 20, 1850, grant fully adjusted.
Mississippi .....	Mobile and Ohio River.....	Do.
	Vicksburgh and Meridian, formerly the Southern.	Spring of 1857, grant fully adjusted.
Alabama .....	Mobile and Ohio River.....	September 20, 1850, grant fully adjusted.
	Alabama and Florida.....	*August 30, 1856.
	Selma, Rome and Dalton, formerly Alabama and Tennessee.	May 20, 1857.
	Coosa and Tennessee.....	*December 27, 1858.
	Coosa and Chattanoga.....	*July 3, 1858.
	Mobile and Girard.....	*May 13, 1856.
	Alabama and Chattanoga, formerly the Northeastern and Southwestern, and Wills Valley.	*October 11, 1858.
	South and North Alabama, formerly the Tennessee and Alabama Central.	May 22, 1866, between Decatur and a junction with the Alabama and Tennessee Railroad, in township 22 south, range 2 west, and May 30, 1871, between that point and Montgomery.
Florida .....	Florida Railroad.....	*From survey in the field, which was between May 17, 1856, and January 10, 1857.
	Florida and Alabama.....	*From May 17 to 31, 1856.
	Pensacola and Georgia.....	*March 3, 1857, between Tallahassee and Alligator, in township 13 south, range 17 east, and from September 1 to October 23, 1857, between Tallahassee and Pensacola.
	Florida, Atlantic and Gulf Central.	*February 17, 1857, in the granted, and September 7, 1857, in the indemnity limits.
Louisiana .....	Vicksburgh, Shreveport and Texas	January 27, 1857.
	New Orleans, Opelousas and Great Western.	†October 9, 1856, between New Orleans and Opelousas, and December 19, 1856, between Opelousas and the Texas boundary.
Arkansas .....	Little Rock and Fort Smith.....	August 13, 1855, and, under the reviving act, May 13, 1867.
	Cairo and Fulton.....	January 17, 1855, and, under the reviving act, July 28, 1866.
	Memphis and Little Rock.....	August 18, 1855, and, under the reviving act, May 13, 1867.
Missouri .....	Hannibal and Saint Joseph.....	March 8, 1853, in the granted, and June 16, 1853, in the indemnity limits.
	Pacific and Southwestern Branch.	1853, grant fully adjusted.
	Saint Louis and Iron Mountain	April 7, 1870.
	Extension.....	
Iowa .....	Burlington and Missouri River.....	Survey in the field, which was from August 8 to October 13, 1856.
	Chicago, Rock Island and Pacific..	Survey in the field, which was from October 21, 1856, to March 2, 1857.
	Cedar Rapids and Missouri River.	Survey in the field, which was from September 1, 1856, to July 12, 1857.
	Iowa Falls and Sioux City.....	Survey in the field, which was from May 30 to August 31, 1856.
	McGregor and Missouri River.....	*August 19, 1864, from McGregor to section 12, township 95 north, range 35 west. From that point to the southwest corner section 18, township 96 north, range 38 west, between November 30 and December 5, 1868, and from that point to a connection with the Saint Paul and Sioux City road, between June 28 and 30, 1869, the dates of survey in the field.
	Sioux City and Saint Paul.....	Survey in the field, which was between September 27 and October 4, 1866.
Michigan .....	Jackson, Lansing and Saginaw....	August 4, 1858.
	Flint and Pere Marquette.....	August 3, 1857.
	Grand Rapids and Indiana.....	November 17, 1857, between Grand Rapids and the Straits of Mackinaw, March 15, 1866, between Grand Rapids and Fort Wayne, Indiana.
	Bay de Noquet and Marquette....	December 1, 1857.
	Houghton and Ontonagon, formerly Marquette and Ontonagon.	June 23, 1859.
Wisconsin .....	Chicago and Northwestern, formerly Chicago, Saint Paul and Fond du Lac.	From Fond du Lac to the north boundary of the State. Survey in the field, which was between May 1, 1856, and October 16, 1857.
	Wisconsin Central, formerly Portage, Winnebago and Superior.	September 7, 1869.
	West Wisconsin, formerly La Crosse and Milwaukee and Tomah and Saint Croix Roads.	June 16, 1857, from Madison to Portage. July 13, 1857, from Portage to Lake Saint Croix. March 23, 1865, to additional grant under act May 5, 1864.

No. 17.—Table showing the time when the various railroad rights attach, &c.—Continued.

States.	Names of roads.	Dates.
Wisconsin .....	Saint Croix and Lake Superior and branch to Bayfield.	November 2, 1857, entire main line, except between Prescott and the south line of township 34 north, which was from November 24 to December 8, 1857, survey in the field. Branch line from survey in the field, which was between May 3 and June 10, 1858. April 22, 1865, to additional grant under act of May 5, 1864.
Minnesota .....	Saint Paul and Pacific .....	November 9, 1857, main line and branch to Saint Cloud.
	Saint Paul and Pacific, Saint Vincent extension.	From survey in the field, which was between May 18 and September 21, 1871.
	Winona and Saint Peter.....	July 17, 1857, from Winona to the west line of township 110, range 31 west. June 8, 1864, from that point to the west line of township 108, range 37 west.
	Minnesota Central.....	January 19, 1867, from that point to the Big Sioux River, in Dakota Territory.
	Saint Paul and Sioux City.....	To original grant from survey in the field, which was between June 8 and July 25, 1857, and to additional grant, under act of March 3, 1865, date of act.
	Lake Superior and Mississippi.....	From Saint Paul to section 28, township 106 north, range 34 west, survey in the field, which was from June 8 to October 8, 1857.
	Hastings and Dakota.....	From that point to section 30, township 104 north range 39 west, from October 31 to November 8, 1858.
	Southern Minnesota.....	From that point to the southern boundary of Minnesota, June 29, 1866. To the additional grant under the act of May 12, 1864, from date of act where the road was already definitely located.
	Missouri, Kansas and Texas .....	September 25, 1866. Survey in the field, which was from August 15 to October 26, 1866.
	Missouri River, Fort Scott and Gulf.	From the Mississippi River to Houston, survey in the field, which was from July 21 to Aug. 5, 1857.
	Leavenworth, Lawrence and Galveston.	From Houston to section 22, township 104 north, range 8 west, July 13, 1866.
	Saint Joseph and Denver City .....	From that point to section 2, township 103 north, range 18 west, January 1, 1867.
	Atchison, Topeka and Santa Fé.....	From that point to section 21, township 104 north, range 37 west, November 29, 1866.
		From that point to section 4, township 104 north, range 39 west, October 24, 1866.
		From that point to the western boundary of the State, from survey in the field, which was between October 18 and 26, 1870.
Kansas .....	Missouri, Kansas and Texas .....	From Junction City to Council Grove, from survey in the field, which was between September 5 and 21, 1866.
	Missouri River, Fort Scott and Gulf.	From Council Grove to Emporia, August 10, 1866.
	Leavenworth, Lawrence and Galveston.	From Emporia to the Osage lands, from survey in the field, which was between September 24 and 28, 1866.
	Saint Joseph and Denver City .....	From the north boundary of the Osage lands to the southern boundary of Kansas, October 15, 1867.
	Atchison, Topeka and Santa Fé.....	February 11, 1868.
	Missouri River, Fort Scott and Gulf.	November 15, 1866, from Lawrence to the north boundary of the Osage lands.
	Leavenworth, Lawrence and Galveston.	November 26, 1867, to the southern boundary of Kansas.
	Saint Joseph and Denver City .....	March 21, 1870.
	Atchison, Topeka and Santa Fé.....	From Atchison to Emporia, survey in the field, which was from November 29, 1865, to January 1, 1866.
		From Emporia to Wichita, survey in the field, which was from May 18 to July 13, 1869.
		From the sixth principal meridian near Newton to section 27, township 23 south, range 5 west, September 23, 1871.
		From that point west to section 33, township 22 south, range 6 west, October 8, 1870.
		From that point west to the mouth of Pawnee Creek, in township 22 south, range 16 west, survey in the field, which was from June 21 to December 1, 1870.
		From that point to the west line of range 27 west, March 22, 1872.
		From that point to the western boundary of the State, May 30, 1872.

No. 17.—Table showing the time when the various railroad rights attach, &c.—Continued.

States.	Names of roads.	Dates.
CORPORATIONS.		
	Union Pacific.....	First one hundred miles west from Omaha, October 19, 1864. Second one hundred miles, June 20, 1866. From the 200th to the 380th mile-post, November 23, 1866. From the 380th mile-post to Brown's Summit, (nearly to the 700th mile-post,) survey in the field, which was from April 1 to November 15, 1867. From Brown's Summit to Ogden, survey in the field, which was from May 1 to July 30, 1868.
	Central Pacific.....	From Sacramento east to the south line of township 13 north, range 8 east, within ten miles of the road, June 1, 1863, and within twenty miles, July 2, 1864, date of act. *From that point to the east line of township 17 north, range 13 east, September 14, 1866. *From that point to the Big Bend of the Truckee River, in township 20 north, range 24 east, Nevada, October 25, 1867. From that point to Humboldt Wells, December 18, 1866. From that point to Monument Point, (head of Salt Lake,) January 16, 1867.
	Western Pacific.....	From that point to Ogden, July 18, 1868. First twenty miles northward from San José, October 3, 1866. From that point to Sacramento, from survey in the field, which was between January 28 and December 15, 1868.
	Kansas Pacific.....	From the boundary-line between Missouri and Kansas to section 17, township 11 south, range 18 east, Kansas, February 13, 1864. From that point to Fort Riley, from survey in the field, which was between February 13, 1864, and February 18, 1865. From Fort Riley to the 405th mile-post, (Sheridan, Kans.,) March 3, 1869, date of act. From that point to Denver City, from survey in the field, beginning June 29, 1869, and ending April 25, 1870, at the 635th mile-post.
Colorado Ter....	Denver Pacific.....	March 3, 1869, date of act.
Kansas.....	Central Branch Union Pacific.....	January, 1864, within the ten-mile limits, and July 2, 1864, date of act, within the twenty-mile limits.
Nebraska.....	Burlington and Missouri River, Nebraska. Sioux City and Pacific.....	June 15, 1865. November 9, 1866, in Nebraska, and in Iowa from survey in the field, which was between November 20 and December 7, 1866.
	Northern Pacific.....	From a junction with the Lake Superior and Mississippi Road, in Minnesota, to the Red River of the North, November 21, 1871. From the Red River of the North to the Missouri River, in Dakota Territory, May 26, 1873. From Kalama Wash, Ter., north sixty-five miles,, September 13, 1873. According to a decision of the Secretary of the Interior, dated March 22, 1873, the first withdrawal of lands takes effect from the acceptance of the map of general route by the Department, from which time settlement is excluded from the granted sections, and the alternate reserved sections are raised to \$2.50 per acre.
	Atlantic and Pacific.....	From Springfield, Mo., to the western boundary of the State, December 17, 1866. From that point to the mouth of Kingfisher Creek, in Indian Territory, December 2, 1871. From that point to the eastern boundary of New Mexico, February 7, 1872. From that point to the eastern boundary of California, March 12, 1872. From San Francisco to San Miguel, Cal., March 12, 1872. Through the county of Los Angeles and part of San Bernardino, Cal., March 12, 1872.

No. 17.—Table showing the time when the various railroad rights attach, &c.—Continued.

States.	Names of roads.	Dates.
CORPORATIONS—Continued.		
	Texas Pacific .....	Road not yet definitely located. Lands withdrawn upon a preliminary line, withdrawal taking effect from date of receipt of the order at the district land-offices, which was as follows: New Mexico Territory, December 4, 1871; Arizona Territory, December 26, 1871; California, October 13, 1871.
	New Orleans, Baton Rouge and Vicksburgh.	Road not yet definitely located. Lands withdrawn upon a preliminary line, taking effect from date of receipt of the order at the district offices, which was as follows: Letter of November 29, 1871, received at New Orleans December 11, 1871; letter of November 29, 1871, received at Natchitoches December 20, 1871; letter of March 27, 1873, received at New Orleans April 3, 1873.
California .....	Placerville and Sacramento Valley.	June 26, 1867.
Do .....	Stockton and Copperopolis .....	October 18, 1867.
Do .....	Oregon Branch of the Central Pacific, formerly California and Oregon.	From receipt of letters of withdrawal at the district land-offices, which was as follows: Marysville, November 25, 1867; Sacramento, November 28, 1867; Humboldt, December 2, 1867; Shasta, September 6, 1871, (which latter date includes lands from township 32 north, to north line township 46 north.)
Do .....	Southern Pacific, of California .....	First withdrawal became effective from date of receipt of the letters ordering same at the district land-offices, which was as follows: San Francisco, May 8, 1867; Stockton, May 7, 1867; Visalia, May 21, 1867. Withdrawal for branch line, under act of March 3, 1871, became effective April 3, 1871. Right of road attaches from the dates of filing the maps of definite location in the General Office.
Oregon .....	Oregon and California .....	From Portland, Oreg., south to township 10 south, range 2 west, February 16, 1870. From that point to the south line of township 13 south, April 28, 1870. From that point to the south line of township 27 south, April 25, 1870.
Do .....	Oregon Central .....	From that point to near the south line of township 30 south, April 30, 1871. From Portland, Oreg., to the Yamhill River, near McMinville, and from a junction near Forest Grove toward Astoria, twenty miles, May 29, 1871. From Astoria to Castor Creek, in the direction of Portland, January 31, 1873.

\* Time taken as definite location from data on file in this office, subject, however, to correction upon receipt of evidence to the contrary.

† By the act of July 14, 1870, the lands granted west of Brashear City were declared forfeited to the Government and have since been restored to homestead entry, excepting those falling within the limits of the grant of March 3, 1871, to the New Orleans, Baton Rouge and Vicksburgh Railroad.





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