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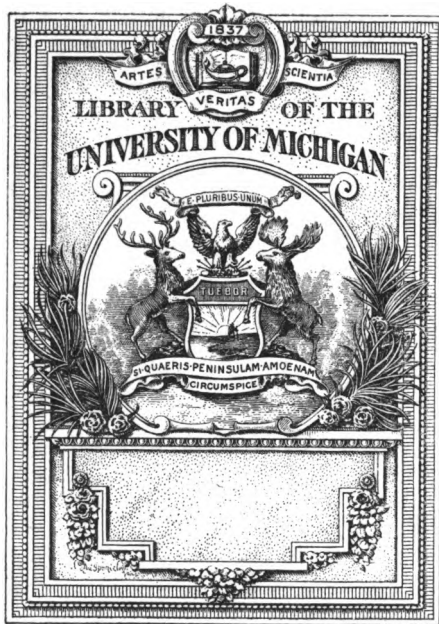
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# REPORT

OF THE

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## COMMISSIONER

OF THE

# GENERAL LAND OFFICE

TO THE

## SECRETARY OF THE INTERIOR

FOR

## THE YEAR 1874.



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1874.





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# REPORT

## OF THE

### COMMISSIONER OF THE GENERAL LAND OFFICE.

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DEPARTMENT OF THE INTERIOR,  
*General Land Office, October 15, 1874.*

SIR: In accordance with a resolution adopted on the 28th of February, 1855, by the Senate of the United States, I have the honor to submit the following as an abstract of the annual report of this Office for the fiscal year ending June 30, 1874, viz:

	Acres.
Disposal of public lands by ordinary cash sales.....	1, 041, 345. 46
Military bounty-land warrants, locations under acts of 1842, 1847, 1850, 1852, and 1855.....	133, 160. 00
Homestead entries.....	3, 518, 861. 63
Timber-culture entries.....	803, 945. 47
Agricultural college scrip locations.....	112, 932. 98
Certified to railroads.....	3, 264, 314. 42
Certified for wagon-roads.....	57, 921. 11
Lands approved to the States as swamp.....	202, 187. 91
Certified for agricultural colleges.....	114, 289. 18
Certified for common schools.....	69, 899. 84
Certified for universities.....	64, 636. 52
Internal improvement selections approved to States.....	134, 986. 70
Sioux half-breed scrip locations.....	720. 00
Chippewa half-breed scrip locations.....	11, 671. 71
<b>Total</b> .....	<b>9, 530, 872. 93</b>
Disposals of previous year.....	13, 030, 606. 87
Decreased disposal.....	3, 499, 733. 94
Cash receipts under various heads.....	<u>\$2, 469, 938. 50</u>

	Acres.
Total area of the land States and Territories.....	1, 834, 998, 400. 00
Surveyed within the fiscal year ending June 30, 1874. 29, 492, 110. 43	
Previously surveyed.....	619, 900, 941. 57
<b>Total surveyed to June 30, 1874</b> .....	<b>649, 393, 052. 00</b>
Leaving yet to be surveyed.....	1, 185, 605, 348. 00

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

1. Surveys of public lands, showing the number of acres surveyed in each of the land States and Territories during the past fiscal year and the condition of the surveying service at the close of said year, together with a tabular exhibit of the progress made in surveys, disposal of public lands, increase of surveying districts and local land-offices since

1863. Surveys under the deposit system and instructions to carry the same into effect.

2. Survey of islands and beds of meandered lakes. Instructions to facilitate the survey of the same.

3. Surveys of Indian reservations.

4. Surveys of confirmed private land-claims at the cost of the claimants; recommending repeal of existing law requiring the same.

5. Survey of State and Territorial boundaries.

6. Private land-claims. Donation claims. Decisions affecting the same in California, Louisiana, Oregon, and Washington Territory, and copy of scrip issued under act of April 5, 1872.

7. Of pre-emptions, and rulings relating thereto.

8. Act extending time to pre-emptors on public land in State of Minnesota to make final payment, and instructions thereunder.

9. Town-site laws, operations under the same; giving names of towns and cities patented, and number of acres embraced therein.

10. Act providing for removal of Flathead and other Indians from the Bitter Root Valley, in the Territory of Montana, and instructions under the same.

11. Act for relief of settlers on the Cherokee strip in Kansas, and instructions thereunder.

12. Act extending time for completing entries of Osage Indian lands in Kansas.

13. Homestead laws, and operations thereunder.

14. Homestead rulings.

15. Graduation entries.

16. Abandoned military reservations.

17. Educational land-bounty.

18. Timber-culture act, and operations and rulings thereunder.

19. Timber depredations, showing action of this Office to prevent the same.

20. Kansas Indian lands.

21. Indian homesteads—legislation recommended in relation thereto.

22. Operations under the mining laws, rulings, and list of mining claims patented during the past fiscal year.

23. Coal lands.

24. Iron lands, how title may be obtained thereto.

25. Bounty-land warrants.

26. Revolutionary bounty-land scrip.

27. Agricultural college scrip, locations, &c.

28. Action of General Land-Office under act of April 5, 1872, entitled "An act for the relief of Thomas B. Valentine," and copy of instructions issued governing the location thereof.

29. Railroads, rulings.

30. Swamp and overflowed lands.

31. List of surveyors-general.

32. List of district land offices.

33. Annual reports of surveyors general for the fiscal year ending June 30, 1874, numbered from A to Q.

*Tabular statements accompanying the annual report of the Commissioner of the General Land Office for 1874.*

1. Tabular statements showing the number of acres of public lands surveyed in the land States and Territories at the close of the last fiscal year; also the total area of public lands remaining unsurveyed at that

2. Statement of public lands sold, of cash and bounty-land scrip received therefor; number of acres entered under the homestead law of 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, 1873, and ending June 30, 1874.

3. Statement showing like particulars for the second half of the fiscal year ending June 30, 1874.

4. Summary for the fiscal year ending June 30, 1874, 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.

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, 1874.

6. Statement exhibiting the quantity of swamp land approved to the several States under acts named in table 5, to September 30, 1874.

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.

8. Statement showing the State selections under the internal improvement grant of September 4, 1841, to the 30th of June, 1874.

9. Exhibit of bounty land warrant business under acts of 1842, 1847, 1850, 1852, and 1855, showing the issues and locations from the commencement of operations under said acts to June 30, 1874.

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.

11. Statement exhibiting land concessions by acts of Congress States for canal purposes from the year 1827 to June 30, 1874.

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, 1874.

13. Estimate of appropriations required for the office of the Commissioner of the General Land Office for the fiscal year ending June 30, 1876.

14. Estimates of appropriations required to meet expenses of collecting the revenues from sales of public lands in the several States and Territories for the fiscal year ending June 30, 1876.

15. Estimates of appropriations for the surveying department of the General Land Office for the fiscal year ending June 30, 1876.

16. Estimates of appropriations required for surveying the public lands for the fiscal year ending June 30, 1876.

17. Table showing the time when the various railroad rights attach to the lands granted so far as at present determined.

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 past fiscal year there were received 56,366 letters, and 52,853 were written covering 36,261 folio pages of record. There were also written and recorded 31,969 patents. By reference to the foregoing

statements it will be seen that 29,492,110.43 acres of land were surveyed during the fiscal year of 1874. These figures show a decrease of 996,021.57 acres from the surveys of 1873, which amounted to 30,488,132. The disposals of public land under various heads, for the last fiscal year, amounted to 9,530,872.93 acres, which shows a decrease from the area disposed of in 1873 of 3,499,733.94 acres. This falling off, it will be noted, is principally confined to land certified in aid of internal improvements and railroads, to swamp selections and lands certified for the use of agricultural colleges, universities, and common schools, the decrease of area certified for railroad purposes alone being 2,819,222.15 acres.

As to lands disposed of for actual settlement and use as evidenced by entries under the several homestead acts, the decrease is but 274,750.89 acres, but even this apparent falling off is compensated for by a new class of entries, not heretofore appearing among the annual exhibits of lands disposed of, known as entries under the timber culture act. Such entries are now reported to the extent of 803,945.47 acres, which added to entries made under the homestead law show an appropriation for use within the fiscal year of 4,322,807.10 acres, being in excess of this class of disposals over that of the previous year of 529,194.58 acres. The decrease in surveying may be attributed to the fact that complete returns of the field work of surveys under several contracts made with deputies during the past fiscal year have not yet been received.

Upon referring to the annual reports of this Office for years past I find that the attention of Congress was called to the necessity of repealing the law requiring claimants of confirmed private land claims to defray the cost of the survey of their claims. Such legislation is now urgently needed, as it would enable this Office at once to cause the segregation of the private from the public lands, thereby bringing into market a region of country now unlawfully monopolized under undefined grants from foreign governments. Legislation has also been recommended having in view the abolishing of the present very unsatisfactory system of adjudicating private land claims in the Territories of New Mexico, Colorado, and Arizona, and adopting a system something similar to that which was established for California. The reasons assigned for these changes will be found more fully discussed in the body of this report under their appropriate headings. I concur in the fullest measure with the recommendations heretofore made by this Office for a consolidation of the existing homestead and pre-emption laws. The experience of every year confirms the conclusion long since reached that the machinery of the pre-emption laws furnishes a ready means of fraud, and ought for that reason to be changed, while the now well-settled policy of holding the public domain for the benefit of actual and productive use may well be aided by the certainty and simplicity incident to a single method of disposal as contemplated by the proposed legislation.

In the year 1870, the question of the right of Indians inhabiting the United States to avail themselves of the benefits of the homestead laws, and under what conditions of tribal abandonment they might, if at all, assert this right, was brought to the attention of this Office, and eventually to the consideration of the Department proper, and on the 11th day of February, A. D. 1870, the then Secretary of the Interior, in a communication addressed to this Office, held—

“That in the absence of more explicit legislation on the subject an Indian, if otherwise qualified, is entitled to the benefits of the homestead law if he has voluntarily severed all connection with his tribe, so that by reason thereof he can no longer lawfully share in the annuities, exemptions, or privileges secured to it by acts of Congress treaty stipulations.”



On the 1st day of April, A. D. 1870, following the decision of the Secretary, instructions were issued to the registers and receivers extending the right of homestead entry to Indians who brought themselves within the conditions laid down in that decision. Under this authority a number of this class of persons have availed themselves of the privilege offered, and these entries are awaiting final proof. It is now learned that the question of the status of such individual Indians as may elect to abandon their tribes, and their then relationship to the question of citizenship has, though not in any matter having connection with the administration of the affairs of this Office, been again brought to the attention of the Department, and that a decision has been reached in all respects opposite to that on which the present practice of this Office is based.

Entertaining no doubt whatever of the correctness of the later decision, I shall feel compelled to revoke the circular of April 1, 1870, and to hold for cancellation all entries of this class now pending unless Congress shall by appropriate legislation give them validity.

On the invitation of this Office, these persons have been induced to renounce their tribal relations with all attendant privileges and benefits. They should not now be deprived of the equivalent offered. I therefore recommend that such legislation be had as shall give validity to all homestead entries which otherwise being found in accordance with law are subject to be defeated on account of the Indian descent of the claimant; and I venture the suggestion that the homestead laws be so amended as to invest this class of persons with the full right of participation in their benefits upon their severance of the tribal relation and relinquishment of the benefits incident thereto.

To such as have given the problem of Indian civilization and citizenship careful study, it has long been manifest that a chief obstacle to the advancement of the race is found in the system of "ownership in common" of all landed property claimed by the tribe; and the consequent absence of all those inducements to frugality and industry incident to the methods of our tenures, and which are the foundation of our material civilization. The process of the homestead law presents the exact schooling required to correct the vicious system prevailing among the tribes from their earliest history. It corrects the roving instinct by requiring a residence in the same place for five years; it enforces habits of industry by the requirement of improvement and cultivation of the land, and must result in that added self-respect and consequent capacity for usefulness which ownership brings with it. Such an observance of the provisions of the homestead law as would be evidenced by the grant of a patent might well answer any necessary conditions of naturalization, and furnish the best possible test of capacity for citizenship. It is worthy of consideration whether it would not be well and just, not only to provide that the homestead privilege be extended in the manner before suggested, but that the receipt of a patent issued under the homestead law shall entitle the holder to all the rights of citizens of the United States.

My attention has been attracted to what seems to me an omission in the laws governing the disposal of the public lands. During the last forty years the legislation relating to this subject has been prompt and apt in providing specific methods of entry and sale, at discriminating prices, of lands shown to be exceptionally valuable for other than agricultural uses; as instance the laws regulating the sale of such portions of the public domain as contain gold, silver, iron, lead, cinnabar, copper, coal, sulphur, &c. The fact has also been recognized that the lands em-

braced in abandoned military and Indian reservations have been greatly enhanced in value by reason of their having been brought, by long severance from the mass of the public lands, to the very threshold of an eager market, and their disposal has been wisely provided for upon a judicious appraisal of such value; but I fail to find, from the beginning of the Government to the present time, a single enactment of Congress providing any distinctive method for the disposal of that vastly extensive and proverbially valuable class of lands known as "pine-lands." These lands are notoriously unsuited to general agricultural uses, but have been held subject only to pre-emption and homestead entry.

The product of these lands is of universal use, and forms the staple of commerce of no inconsiderable portion of the nation. The difference between the Government price and the actual value thereof is large, yet Congress provides that these lands shall be disposed of under the pre-emption laws at \$1.25 per acre, or under the homestead laws by commutation under the eighth section of the act of 1862 at the same rate.

It is true the law provides that in the discretion of the President this class of lands may be proclaimed and sold at public outcry to the highest bidder, but the experience of this Office shows this method to be entirely ineffectual, for the reasons: First, that under the ordinary system of surveys the "field-notes" cannot disclose, with any degree of accuracy, which are pine lands and which are not; and, second, that there is little room for doubt that combinations are formed among purchasers at Government public sales, whereby prices are kept down to a merely nominal figure. The usual result is, therefore, the Government receives the minimum price of the lands, *less the large expense of three months' advertising required by law.* Another and greater evil results from such public sales under existing laws. This Office having, as I have before stated, no reliable means of distinguishing pine lands, it is reduced to the necessity of including in the proclamation all lands *supposed* to contain pine. It results that only such small proportion of the tracts proclaimed as are known to the purchasers to contain pine are sold, while the great mass of them, receiving no bid, remain with the Government as "offered lands," *subject thenceforth to private cash purchase without settlement,* and become the easy prey of non-resident speculators, thus defeating the now well established and beneficent policy of the Government in that regard. The remarks here made apply as well to the "fir lands" of the Pacific as to the pine lands east of the Rocky Mountains, and are indeed of more importance as bearing on the question of future disposals of "fir land," since the quantity of "pine lands" remaining unsurveyed and unsold is now comparatively limited. Under this state of facts I would urgently recommend the passage of a law providing:

First. That pine and fir lands shall not be subject to entry under the pre-emption and homestead laws.

Second. That a system of surveys shall be devised by which the quantity of pine or fir in each smallest subdivision of a section may be at least closely approximated.

Third. That an immediate exploration by experts of the unsurveyed portions of those States and Territories known to contain pine or fir be authorized, with the view of ascertaining the geographical situation of pine and fir districts or fields.

Fourth. That the reports of such explorations be followed by immediate survey of these districts.

di Fifth. That survey be followed by immediate appraisal, proclamation, and sale, at not less than the appraised value, and for cash only.

As I have indicated in the foregoing suggestions, I am strongly of the opinion that the wisest policy the Government can pursue in respect to this class of lands is that which will most speedily divest it of title in the same for a fair consideration, for the reason that depredations to an enormous extent are constantly occurring, which existing laws are powerless to prevent and seemingly legally powerless to punish.

In the annual reports of my immediate predecessor for the years 1871 and 1872, the necessity for a thorough re-organization and increase of the clerical force of the General Land Office was adverted to and discussed at length. I do not deem it essential to reiterate in form the facts and reasons by him clearly set forth in support of that necessity. My own experience amply justifies the belief that the urgency of his statement was moderate in view of the facts. Though very much was done during the efficient administration of the affairs of the Office for the past three years to correct the evils flowing out of the accumulation of business theretofore existing, I am yet almost daily made painfully aware of the fact that both the public and private interests are suffering on account of a lack of adequate clerical force, and while I appreciate the purposes of economy which thus far prevailed against the urgent representations heretofore made to Congress on the subject, I must yet discharge my imperative duty in the premises by declaring that with the existing organization and force I am not able to execute the laws relating to the disposal of the public domain with that efficiency and economy demanded for the protection of both the public and individual interests.

Respectfully submitted.

S. S. BURDETT,  
*Commissioner.*

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

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DEPARTMENT OF THE INTERIOR,  
*General Land Office, November, 1874.*

SIR: I have the honor to submit the following report of the transactions of this branch of the public service during the fiscal year ending the 30th day of June last.

In addition to other matter usually comprised in the annual report there will be found, under appropriate heads, such decisions on current questions as, from their general applicability to matters arising or likely to arise in the administration of the various branches of the public land system, are of general interest to the public at large.

1.—SURVEYS.

The surveys of public lands of the United States for the past year were as follows:

	Acres.
Minnesota.....	1, 242, 456. 58
Kansas.....	2, 337, 178. 38
Nebraska.....	2, 521, 190. 30
California.....	955, 537. 00
Nevada.....	1, 477, 781. 83
Oregon.....	1, 296, 129. 89
Washington Territory.....	1, 752, 064. 77
Colorado Territory.....	2, 405, 783. 66
Utah Territory.....	850, 097. 44
Arizona Territory.....	341, 173. 61

	Acres.
New Mexico Territory.....	625, 775. 42
Dakota Territory.....	3, 773, 573. 62
Idaho Territory.....	699, 675. 36
Montana Territory.....	1, 757, 168. 08
Wyoming Territory.....	1, 451, 169. 98
Louisiana.....	.....
Florida.....	.....
Indian Territory.....	6, 015, 354. 51
<b>Total.....</b>	<b>29, 492, 110. 43</b>

which, added to the amount previously surveyed, gives an aggregate of 649,393,052 acres surveyed since the commencement of operations under the present system, and leaving an estimated area of 1,185,605,348 acres yet to be surveyed.

The following table exhibits the progress of surveys and the disposal of public lands since 1863 :

Fiscal year ending June 30.	Surveying districts.	Land-offices.	Cost of survey.	Number of acres surveyed.	Number 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, 389 88	4, 267, 037	4, 629, 312. 00
1867.....	12	62	423, 416 22	10, 808, 314	7, 041, 114. 00
1868.....	13	68	325, 779 50	10, 170, 656	6, 685, 749. 00
1869.....	12	66	427, 471 00	10, 822, 812	7, 668, 151. 00
1870.....	17	81	560, 210 00	18, 165, 278	8, 095, 413. 00
1871.....	17	83	683, 910 00	22, 016, 607	10, 765, 705. 00
1872.....	17	92	1, 019, 378 66	29, 450, 939	11, 864, 975. 64
1873.....	17	90	1, 305, 531 67	33, 834, 178	13, 030, 606. 87
1874.....	17	96	995, 353 39	29, 492, 110	9, 530, 872. 93

This shows an increase of the number of surveyors general from ten to seventeen, and of land offices from fifty-three to ninety-six, and an increase in annual surveys and disposals of public lands for a period of ten years.

The area of public lands surveyed up to June 30, 1874, includes the surveys made at the expense of individuals under the "deposit system" authorized by the act of Congress approved May 30, 1862, entitled "An act to reduce the expenses of the survey and sale of the public lands of the United States," and the act amendatory thereof, approved March 3, 1871, which directs that deposits made for the survey of the public lands may be used in part payment of the lands thus surveyed.

In order to carry into effect this last provision a copy of the following circular of instructions was sent to each surveyor general and district land officer of the United States.

*Circular instructions to give effect to the act of Congress approved March 3, 1871, directing deposits made for the survey of public lands to go in part payment of the lands thus surveyed.*

DEPARTMENT OF THE INTERIOR,  
General Land Office, February 25, 1873.

GENTLEMEN: By an act of Congress approved March 3, 1871, entitled "An act to amend an act entitled 'An act to reduce the expenses of the survey and sale of the public lands in the United States,' approved May 30, 1862," the following became a provision of law:

"SECTION 11. *And be it further enacted*, That in all cases where settlers shall make deposits, in accordance with this act, to the credit of the United States, for public surveys, such amounts so deposited shall go in part payment for their lands situated in the townships, the surveying of which is paid for out of said deposits, and effect shall be given to this act by regulations to be prescribed by the Commissioner of the General Land Office."

In order to carry the foregoing into effect, the following regulations are prescribed for your observance, viz

When one or more settlers on public lands shall apply to the surveyor general of the district within which such lands are situated, for the survey of a particular township, at his or their expense, that officer shall furnish to said applicant or applicants two separate estimates, one being the cost of the subdivisional survey of the surveyable portion of the entire township, and the other to cover the expense of platting the survey as required by the 10th section act of May 30, 1862, and the resolution explanatory of the same of July 1, 1864, (U. S. Laws, vol. 12, p. 410, and vol. 13, p. 414, respectively.)

Settlers availing themselves of the provisions of the above quoted section shall deposit with a United States designated depository, to the credit of the United States Treasurer, on account of surveying the public lands and clerk-hire in the surveyor general's office in the district in which their claims are situated, the sums estimated as aforesaid, as the cost of the field and office work.

The surveyor general will take precaution to estimate adequate sums, thereby preventing any deficiency in the payment of deputy surveyor, as well as for clerk-hire involved in the service.

Where several settlers desire the survey of the same township, the necessary deposits to cover all expenses of the survey and platting may be so subdivided as to be proportionate to the amount of lands within the township claimed by each settler; this, however, is a matter to be regulated by parties applying for such surveys; but all applicants should be informed that the law makes no provision for the refunding of any excess of the deposit over the value of the lands taken. The excess, however, if any, over and above the actual cost of the survey in the field and office work, will be refunded as heretofore, under the resolution of Congress of July 1, 1864, (U. S. Laws, vol. 13, p. 414.)

No certificate of deposit can be received in payment by the receiver for more than the cost of the land at Government price, and when the certificate is for more than that amount the receiver will indorse the amount for which it is received, and will charge the United States with that sum only, not as cash, but in the manner prescribed in the last paragraph of these instructions, and not with the sum named on the face of the certificate.

The surveyor general in all cases will be careful to express upon the register's township plat the amount deposited by each individual, the cost of survey in the field and office work, and in case of excess of deposit over and above the field and office work, to mention the amount that is to be refunded and to whom. The surveyor general will also furnish this Office immediately with like information.

The receiver in accepting certificates of deposit will be guided by the data expressed upon the township plat, and particularly in cases where a portion of the sum deposited is to be refunded to the depositor.

Where the amount of deposit is, however, less than the cost of the land, the certificate will of course be received at its face value, subject to the deduction therefrom of the sum to be refunded as aforesaid, and the remainder of cost of land paid for in cash.

Assuming that the estimated cost of survey (both office and field work) is \$850, which amount the party deposits, and the actual cost is \$800; the party will be entitled, under the act of July 1, 1864, to the \$50 thus deposited in excess of the actual cost of the field and office work; but he will not be entitled to the return of the \$600 deposited in excess of the Government cost of one hundred and sixty acres at \$1.25 per acre (amounting to \$200.)

If, however, there are several applicants, the amount deposited by each can be equitably arranged among themselves, provided, of course, the aggregate deposits cover the estimated expenses of the survey and incidental clerk-hire.

The surveyor general shall distinctly state to the applicant that the application for survey and depositing of the money will give no preference right to the land where adverse claims exist, and that all contests relative to lands applied for, whenever they arise, must be investigated and passed upon by the proper local land office before pre-emption entry can be allowed or the deposit credited to the depositing settler, as the benefits conferred by the act of Congress approved March 3, 1871, hereinbefore cited, inure exclusively to pre-emptors under existing laws.

In making his monthly and quarterly returns, the receiver shall designate the lands in payment for which certificates of deposits were used by settlers under the law, describing separately in his receipts the amounts of such payments and the balances paid in cash, if any occur, crediting the United States in said returns with the acres and purchase-money of the lands embraced by the class of entries alluded to, and immediately opposite such entries debiting the United States with said certificates of deposit, which must accompany quarterly returns as vouchers, at the same time being careful to give the number of the certificate, date, amount, by whom and with whom deposited, and the actual sum for which it was received.

Very respectfully,

WILLIS DRUMMOND,  
Commissioner.

To the SURVEYOR GENERAL, REGISTERS, and RECEIVERS.



## 2.—SURVEYS OF ISLANDS AND BEDS OF MEANDERED LAKES.

For the survey of small islands in navigable meandered waters in the States where the offices of surveyors general had been closed and no appropriation of funds applicable for such purposes had been provided, proceedings were initiated by this Office in 1868, by which that service has since been executed at the cost of the applicant. In the absence of specific legislation applicable to such surveys, regulations were prescribed by this Office and embodied in the official circular of June 10, 1868, by which applicants were required to describe the particular island they wished to be surveyed, with reference to the lines of public surveys adjoining the same, to furnish affidavits of disinterested persons of the existence of such lands, and to deposit the requisite amount to cover the cost of the survey; but with the understanding that the payment for such survey would confer no preference right in the purchase of the land, such lands when surveyed being held subject to pre-emption and homestead rights under existing laws. The question of the ownership and proper method of disposition of the beds and reclaimed margins of meandered lakes, sloughs, and ponds being frequently brought to the attention of this Office, and the regulations of June 10, 1868, just recited, not seeming to be fully applicable to that class of lands, it became necessary to establish general and uniform rules by which such lands could be surveyed and disposed of. Accordingly, the regulations embodied in the following circular were promulgated:

DEPARTMENT OF THE INTERIOR,  
*General Land Office, Washington, D. C., July 13, 1874.*

As inquiries arise in regard to the survey of the beds of meandered lakes or other similar bodies of water in districts where the office of surveyor general has been discontinued, the following is communicated as defining the conditions under which such lake beds are regarded as surveyable, and as giving the proper mode of proceeding to have the same surveyed and to obtain title thereto:

The beds of lakes, (not navigable,) sloughs, and ponds over which the lines of the public surveys were not extended at the date of the original survey, but which from the presence of water at the date of such survey were meandered, are held to be the property of the United States; and whenever, by evaporation or the operation of any other cause, natural or artificial, the waters of such lake, slough, or pond have so *permanently* receded or dried up as to leave within the unsurveyed area dry land fit, in ordinary seasons, for agricultural purposes, such dry land is subject to survey and sale under the general laws regulating the disposal of the public domain.

Such surveys will be ordered and, upon approval, disposition proceeded with in the following cases:

1st. Where the waters have so far permanently receded or disappeared as to permit, during the ordinary surveying season, (not on the ice,) the actual extension of the lines of survey, and the establishment and marking of corners in the manner required by law, over the whole area of the bed of such former lake.

2d. Where the waters have not generally disappeared, but where they have so far permanently receded as to leave a margin of dry land fit for cultivation between the original meandered lines and the remaining waters of sufficient area to admit of the survey and of the establishment of at least three of the corners of a quarter-section.

3d. The Commissioner of the General Land Office will consider the question of ordering a survey of margins not admitting the laying off of one hundred and sixty acres, but not less than forty acres.

Parties desiring the survey of such lands may make application in writing to the Commissioner of the General Land Office therefor, stating the approximate area, and the situation of the tract with reference to the section, township, and range of the public surveys, the same to be illustrated by a diagram; the fact that the waters have disappeared in the manner or to the extent as specified in one of the three several above-specified cases—such statement to be accompanied with the affidavit of at least two credible and disinterested witnesses as to the disappearance of the waters, the probable quantity of land capable of being surveyed in the whole area lying between the original meandered line and the then margin of the waters, and showing what portion of such area is fit for agricultural purposes. To insure prompt attention and

decision by this Office, both the statement and affidavits required must be *full and specific*.

If, upon examination of such statement, diagram, and proof, it is found that such survey may be properly allowed, the parties applying will be so notified, and upon their designating to this Office the name and residence of some competent and reliable surveyor, together with a statement from him in writing of the amount for which he is willing to execute the field-work of the survey, and a certificate of some United States depository that the amount specified has been deposited to the credit of the United States "on account of individual depositors," the Commissioner will then issue the necessary instructions to the surveyor to enable him to execute the field-work or survey in accordance with the public land system.

To correct what seems to be a very general misapprehension as to the manner in which persons may proceed to perfect title who have made actual settlement on lands of the character herein designated, and who claim or propose to claim under the pre-emption laws of the United States, it is remarked that in no event and at no stage of the proceedings can their declaratory statements be received or filed in this Office. Such declaratory statements must be filed in the local land office, and cannot be there received until after such survey has been made and the approved plat thereof filed in the local office.

It is proper to further state that the fact of having borne the expense of survey will give no priority of claim or right, under existing laws, to purchase the land, or in any manner affect the vested interest of any party thereto, should such exist, as the land, when surveyed, will be subject to disposal according to the laws of Congress and the regulations of this Office relative to the disposal of lands embraced in fragmentary surveys.

In case the lake bed is small and is so situated that no township, section, or quarter-section corners will need to be established by reason of such lake being situated within a given section or sections fully surveyed, no deposit will be required; and upon proof being furnished this Office as above of the disappearance of the water, the premises will be platted, and the land can then be disposed of under existing laws,

Respectfully,

S. S. BURDETT.  
*Commissioner.*

These regulations are not new in their substance, but are simply a formulation of the pre-existing practice of the Office as heretofore administered with reference to the class of lands to which they apply. An examination of the laws now in force, embracing the subject of the survey of the public lands, discloses the fact that the authority for conducting the operations embraced by the circular quoted is very meagre, and that in fact such authority rests more on official practice than on specific enactment. The whole subject is worthy the attention of Congress, and indeed both public and private interests require its early settlement. These fragmentary portions of the public domain are often found in localities which, from nearness to growing cities and villages, or from being within thickly and long settled neighborhoods, give them a value far beyond the Government price of public land; generally they are so situated as to be capable of entire reclamation, and would be so reclaimed could they by being transferred to private ownership be brought within the operation of State laws on the subject of drainage. It is often, and no doubt with reason, asserted that the health as well as the material growth of neighborhoods where such ponds and sloughs are situated is deleteriously affected by their continuance in an unreclaimed or partially reclaimed condition. I am of the opinion that, in view of all the circumstances, these lands might well be transferred to the States where situated, under such conditions as would protect any rights legally initiated under the homestead and pre-emption laws and secure their early reclamation.

### 3.—SURVEY OF INDIAN RESERVATIONS.

By the terms of the sixth section of an act of Congress approved April 8, 1864, (13 Stats., p. 41,) the duty of surveying any Indian or

other reservation devolves on the Commissioner of the General Land Office; anterior to the passage of that act the surveys of Indian lands under treaty stipulations were made by direction of the Indian Office.

Conformably to the provisions of the aforesaid act of Congress, and under appropriations made for the survey and subdivision of Indian lands during the past fiscal year, contracts were entered into and surveys executed thereunder in the localities and to the extent set forth in the following tabular statement:

*Survey of Indian lands under treaty stipulations.*

Date of treaties.	Indian tribes.	Locality of the lands.	Extent of surveys in acres.	Under contracts with—	Remarks.
July 19, 1866	Cherokee .....	Indian Terri- tory.	6, 015, 355	Comm'r Gen. Land- Office.	
July 14, 1866	Creek .....	do .....			
Mar. 21, 1866	Seminole .....	do .....			
Apr. 23, 1866	Chootaw and Chick- saw leased lands.	do .....			
Oct. 21, 1867	Kiowa, Comanche, and Apache.	do .....	193, 914	Surveyor-general..	
Mar. 19, 1867	White Earth Re- serve.	Minnesota .....			
Mar. 19, 1867	Chippewas of the Mississippi.	do .....	268, 748	do .....	
Mar. 19, 1854, & act June 10, 1872.	Otoe and Missouri.	Kansas .....	21, 139	do .....	Subdivided into 40- acre tracts.
Jan. 26, 1855	do .....	Nebraska .....	56, 042	do .....	Do.
Dec. 26, 1854	Skokomish .....	Washington Territory.	4, 173	do .....	Do.
Jan. 22, 1855	Nisqually .....	do .....	4, 717	do .....	Do.
Jan. 8, 1864	Puyallup .....	do .....	18, 062	do .....	
Dec. 24, 1854	Lummi .....	do .....	12, 312	do .....	Do.
Apr. 9, 1874	Chihalia .....	do .....	4, 225	do .....	
June 9, 1855	Squaxin .....	do .....	1, 494	do .....	Do. Executive order. Subdivided into 40- acre tracts.
Jan. 22, 1856	Muckleshoot .....	do .....	3, 357	do .....	
Nov. 8, 1873	Yakama .....	do .....	23, 043	do .....	Do. Do. Do.
Jan. 22, 1856	Tullalip .....	do .....	22, 490	do .....	
Nov. 8, 1873	Fort Madison .....	do .....	7, 284	do .....	
	Cœur d'Aléne .....	Idaho .....	18, 560	do .....	
	Total .....		6, 674, 908		

4.—SURVEYS OF CONFIRMED PRIVATE LAND CLAIMS AT THE COST OF CLAIMANTS.

The act of Congress entitled "An act for the survey of grants or claims of land," approved June 2, 1862, required parties claiming or owning the lands in any of the States or Territories of the United States, derived from any foreign country or government, to pay the expenses of the survey in advance of the field-work.

This act was repealed by the act approved February 18, 1871, (16 Stat., 416,) leaving in force the act of May 30, 1862, as the only law under which the survey and segregation of such claims can be made. This latter law experience shows to be of little practical good in securing the end sought, for the reason that at no time has there been adequate appropriation to meet the expenses of such surveys save in the State of California, and for the further reason that the third section of the statute referred to requires before patent shall issue to the claimants that they refund to the United States the expense of survey and platting of their claims.

The stipulation of the eighth article of the treaty of Guadalupe Hidalgo, concluded February 2, 1848, with Mexico, while ceding to the United States that part of her territory now constituting the State of

California and Territories of New Mexico and Colorado, provided that the right of property of Mexicans embraced within said ceded territory should be guaranteed to them "without their being subjected to any contribution, tax, or charge whatever."

In view of this provision of the treaty, claimants are unwilling either to advance voluntarily the funds to meet the expenses of such surveys or to refund the same where the survey has been made at the expense of the United States.

In most instances it is not, in fact, to the interest of such claimants that their claims should be clearly defined in the field, for the reason that the segregation thereof from the public lands would curtail the extent of their claims as now held by them, and deprive them of the use of the excess now unlawfully held through the want of accurate definition of boundaries.

The delay occasioned in the final adjustment of cases of this nature has greatly retarded the settlement and development of lands immediately surrounding these claims, and some adequate provision should be made to remedy the matter.

To this end, I would strongly recommend that sufficient appropriation to meet the expenses of survey of private claims in the districts referred to be made, and I have therefore submitted estimates for that purpose.

To further obviate the difficulties and bring this class of cases to an early adjustment, I adopt the recommendation of my immediate predecessor, that the law of 1862, requiring the repayment by the claimant of the expenses of survey before patent shall issue, be repealed.

The advantages to be derived from a speedy and definite segregation of these claims, so far as the localities in which they are situated are concerned, cannot be overestimated.

It would not only set at rest many vexed questions of title, but would release to the operations of the pre-emption and homestead laws large tracts of desirable lands now wrongfully held by the owners of these undefined claims.

##### 5.—SURVEY OF STATE AND TERRITORIAL BOUNDARIES.

The following is an exhibit of operations for the year in the survey of State and Territorial boundaries under appropriations for that purpose.

1. *Eastern boundary of California.*—Under the appropriation of \$41,250, made by act of Congress approved June 10, 1872, the final returns of survey were made by Alexey W. Von Schmidt, astronomer and surveyor. This boundary separates the jurisdictions of the States of Nevada and California. Its length, from the thirty-fifth to the forty-second parallel of north latitude, is 611 miles 75.77 chains, and the cost of said survey \$40,750.32.

2. *Northern boundary of Nevada.*—The survey of this boundary, common in part to the State of Nevada and Territory of Idaho, and in part to the States of Nevada and Oregon, was contracted for by this Office with Daniel G. Major, astronomer and surveyor, September 7, 1872, under the appropriation of \$15,500 made by Congress for that purpose, by act approved June 10, 1872. This boundary is coincident with that part of the forty-second parallel of north latitude embraced between the thirty-seventh degree of longitude west from Washington and the one hundred and twentieth degree west from Greenwich. The length of the boundary is 304 miles and 62 chains, according to the returns of survey, which, at \$50 per linear mile, amounted to \$15,401.11.

3. *Southern boundary of Wyoming.*—An appropriation having been

made by Congress March 3, 1873, for the survey of this boundary, forming in part the north boundary of the Territories of Colorado and Utah, a contract was entered into with Alonzo V. Richards, who has completed the work and made returns of the survey to this Office.

The boundary includes 367 miles 48.81 chains in length, and the cost for executing the survey was \$22,056.61.

4. *Western boundary of Wyoming.*—Under an act of Congress approved March 3, 1873, appropriating \$13,800 for the survey of this boundary, a contract was made with Alonzo V. Richards, astronomer and surveyor, who has completed the field-work, but the returns have not yet reached this Office.

5. *Washington and Idaho boundary.*—By the act of March 3, 1873, \$10,800 was appropriated for the survey of this boundary, and accordingly a contract for the work was entered into by this Office with Messrs. Rollin J. Reeves and Charles S. Denison, astronomers and surveyors, under date of June 6, 1873; the returns of survey extend from the initial point, at the confluence of the Snake and Clearwater Rivers, due north to within two and one-half miles of the international boundary. On account of the difficult topography of the country in the immediate proximity of the forty-ninth parallel, which prevented further operations, the contractors were released from completing that short interval. The line as established is one hundred and seventy-six and one-half miles in length, and was executed at a cost of \$10,590.

6. *Eastern part of the southern boundary of Colorado and the northern part of eastern boundary of New Mexico.*—Three thousand eight hundred dollars having been appropriated for the survey of these boundaries, at a rate not exceeding \$40 per linear mile, a contract was awarded by the Department to John G. Major, astronomer and surveyor, for the establishment of said boundaries, connecting the southwest corner of the State of Kansas with the northeast corner of New Mexico, and the latter point with the northwest corner of the State of Texas. The survey was executed during the past fiscal year, and the observations and deduced results, together with the field-notes of survey and plats in triplicate, have been received, the work approved, and paid for. The extent of the lines is ninety-one and one-half miles, and the cost \$3,662.25.

7. *Northern boundary of Nebraska.*—The act of June 10, 1872, appropriated \$3,800 dollars for the survey of this boundary, and a contract was entered into with Chauncey Wiltse for running and marking the same on the 43d parallel of north latitude.

Owing to the hostile attitude of the Dakota Sioux Indians, the surveyor was not able to take the field without an escort of United States troops, which could not be obtained, but it is expected he will do so during the ensuing year under a renewal of the appropriation.

#### 6.—PRIVATE LAND-CLAIMS.

From the 1st of July, 1873, to the 30th of June, 1874, inclusive, the number of cases disposed of in this class of claims was as follows:

By patent, in California .....	21
By patent, in Missouri, Louisiana, and Florida .....	46
By patent, in Indiana, Illinois, and Michigan .....	25
By patent, in Washington Territory and Oregon .....	1,293
Indian patents .....	139
By issue of certificates of location in Louisiana .....	7
Total .....	1,531

In addition to the work thus performed, six claims, requiring a report to Congress, have been examined and submitted under the provisions of the act of June 22, 1860, and a large amount of labor bestowed in the examination of claims not ready on the 30th of June last for final disposition by patent or the issue of location-certificates.

The number of cases ready for examination in this division of the General Land Office at the close of the last fiscal year was as follows :

Claims from California.....	18
From New Mexico and Colorado.....	17
From Louisiana, Florida, Missouri, and Arkansas.....	19
From Washington Territory and Oregon.....	385
From Indiana, Illinois, and Michigan.....	90
Indian claims ready for examination.....	110
Total.....	639

*Decisions affecting private land and donation claims.*

CALIFORNIA.

Rancho "Cuyamaca." Olvera, confirmee.—Decision by Commissioner :

Held that where a private land claim in California has been confirmed for quantity, its location, under the act of 1864, must be made in compact form within the exterior boundaries described in the final decree on title, if such boundaries contain a larger number of acres than the quantity confirmed ; but if the boundaries thus described contain a less quantity than the area confirmed, then the location must conform, in all respects, to such boundaries, and these boundaries may be described in express words in the final decree on title, or by reference in such decree to some document containing such description.

Held, also, that this Office cannot consider any testimony which relates solely to the validity of any document referred to for description in the final decree on title ; for, although this Office does investigate as to the validity of such documents on suggestion of fraud in the confirmation and for the purpose of submitting the matter to the judiciary for such action as it may deem advisable, this Office has no jurisdiction to declare a document thus referred to invalid for the purposes for which the decree may have directed it to be used.

Held, also, that the natural objects called for as boundaries must govern in locating the claim, although the claimant's occupation by himself or his agents and the general reputation as to boundary among the residents in the vicinity of such claim may indicate an altogether different tract of land.

Decision affirmed by Assistant Secretary July 15, 1874.

"Caslamayomi." W. Forbes, confirmee.—Decision by Commissioner :

Where the final decree of confirmation under the act of March 3, 1851, confirmed the title to a tract of land containing "eight square leagues of land, a little more or less, as shown by the map or diseño in the expediente, and in the boundaries described in the titulo," and the diseño shows a larger tract of land than any other part of the expediente : Held, that this was a confirmation according to the boundaries laid down in the titulo. Held, also, that where the western boundary of a grant was "mountains covered with redwoods," the foot of such mountains, on the east, was meant.

Decision affirmed July 13, 1874, by the Acting Secretary of the Interior.

“Mission of La Purisima.”—Decision by Commissioner:

The decree in this case confirmed the title of the “church and building occupied as a dwelling adjoining it, constituting the church and mission buildings of the Mission of La Purisima,” \* \* “together with the land upon which the same are erected, and the court-yard fenced in adjoining the buildings in the rear, and the curtilage and appurtenances thereunto belonging.”

Held, that two vineyards did not pass to the said mission under the general designation “curtilage and appurtenances.”

June 16, 1873. No appeal.

“Rancho Alisal.” Land commission, No. 264.—Decision by Commissioner:

Held, that a survey of a private land claim in California, made under the act of March 3, 1851, (Stat., vol. 9, page 631,) and approved by the United States surveyor general for California, prior to the act of June 14, 1860, (12 Stat., page 33,) could not be legally published under said act, but must be published under the provisions of the act of July 1, 1864, (13 Stat., page 332.)

Decision affirmed by the Secretary of the Interior, October 8, 1873.

“Rancho San Miguelito.”—Decision dated March 17, 1874, by Secretary of the Interior:

Held, that the Department has no power under the act of July 1, 1864, (13 Stat., page 332,) to approve a survey of a private land claim in California any part of which survey is clearly outside the limits of the grant and confirmation, unless said part contains so small an area that it may be ignored in the approval, for the sake of convenience. Held, also, that a survey of such a claim containing several hundred acres clearly outside of the limits of the confirmation upon which such survey was based could not be approved.

“Mission lands of San Buenaventura.” Poli, confirnee.—Decision by Commissioner:

Held, that sales by the claimant, made before survey by the United States, under the act of March 3, 1851, are to be treated as selections in those private land claims in California where confirmation has been made for quantity within larger exterior boundaries, and that an agreement before survey to convey a part of such a claim when patented will also be treated as a selection. Held, also, that the lands selected outside of such a claim may be abandoned by the claimant, and another selection made within the grant and including the claims of settlers, when the record does not show that the claimant had notice of such settlement, or that he had made the first selection for the purpose of inducing such settlements.

Affirmed by the Secretary of the Interior, June 18, 1874.

#### LOUISIANA.

After a careful consideration of the acts of March 3, 1819, (3 Stat., p. 528,) May 8, 1822, (3 Stat., p. 707,) and December 22, 1854, (10 Stat., p. 599,) this Office issued a patent, on the 31st of October, 1873, to Jonathan Turnbull, for a claim in Louisiana, reported as No. 5 in Cosby's register A, report of 1813, and recognized as a complete and valid title by the first section of the act of 1819, above mentioned. This is a change from the previous practice of this Office, it having been held, heretofore, that a claim recognized by the first section of the acts of 1819 or 1832, being already

complete, needed no patent from the United States to vest the legal title in the claimants.

Under the act of June 2, 1858, the following ruling has been made relative to the issue of certificates of location, to wit :

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
*Washington, D. C., July 14, 1873.*

SIR: The case of D. J. Wedge, claiming to be the legal representative of Thomas Chritendon, applicant for a certificate of location for 640 acres of land under the act of June 2, 1858, brought before this Office by appeal from your decision of January 6, 1873, refusing to issue such certificate, for the reason that the parties had failed to show the location of the original claim, has been carefully examined and considered.

By the eighth section of the act of Congress approved April 20, 1812, entitled "An act for ascertaining the titles and claims to land in that part of Louisiana which lies east of the river Mississippi and island of New Orleans," as extended by the supplemental act of April 18, 1814, and March 3, 1819, certain commissioners were authorized and required to report for the consideration of Congress a list of actual settlers on the public lands in said district who had no claims derived either from the French, British, or Spanish governments.

Under these acts a list was reported, including the claim of Thomas Chritendon, based on settlement alleged to have been made in 1811. This list, made by Cosby and Skipwith, on the 4th of July, 1821, did not show the quantity of land claimed by Chritendon. This and other lists having been reported to Congress, it, by the third section of the act approved May 8, 1822, made a conditional grant or donation to such settlers in the following language :

*"And be it further enacted,* That every person, or his or her legal representative, whose claim is comprised in the lists or registers of *claims* reported by the registers and receivers, and the persons embraced in the lists of actual settlers, or their legal representatives, not having any written evidence of claim reported as aforesaid, shall, *when it appears by the said reports or by the said lists* that the land claimed or settled on had been actually inhabited or cultivated by such person or persons in whose right he claims on or before the fifteenth day of April, one thousand eight hundred and eighteen, be entitled to a grant for the land so claimed or settled on, as a donation : *Provided,* That not more than one tract shall be thus granted to any one person, and the same shall not contain more than six hundred and forty acres ; and that no lands shall be thus granted which are claimed or recognized by the preceding sections of this act, or by virtue of a confirmation under an act entitled 'An act for adjusting the claims to land, and establishing land offices in the districts east of the island of New Orleans,' approved on the third day of March, eighteen hundred and nineteen : *And provided also,* That no claim shall be confirmed where the quantity was not ascertained and report made by the registers and receivers prior to the twenty-fifth day of July, one thousand eight hundred and twenty."

It is assumed by the attorneys for the applicant that this section granted and confirmed to Chritendon the land claimed by him to the extent of 640 acres, but Congress appears to have entertained a different opinion, for it treated the list in which this claim was reported as not coming within the provisions of the grant and confirmation made by that section, for the reason that the quantity of land was not ascertained and reported prior to the 25th day of July, 1820, and by act approved August 6, 1846, it removed the restriction imposed by the second proviso of the third section of the act of May 8, 1822, and confirmed the claims embraced in certain lists which had been excluded by that proviso.

But this confirmation was subject to all the other restrictions and limitations contained in the said third section of the act of May 8, 1822, as will fully appear by reference to the act of August 6, 1846, which is in the following language :

*"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the second proviso of the third section of the act of eighth May, eighteen hundred and twenty-two, entitled 'An act supplementary to the several acts for adjusting the claim to land and establishing land offices in the districts east of the island of New Orleans,' shall not apply to the reports dated eighteenth November, eighteen hundred and twenty, and twenty-fourth July, eighteen hundred and twenty-one, of Cosby and Skipwith on settlement-claims in that part of Louisiana which lies east of the Mississippi River and west of Pearl River, but such claims which, according to the said reports, were inhabited or cultivated, or where the date of settlement was before the fifteenth April, eighteen hundred and thirteen, are hereby confirmed under the other restrictions of said third section ; but this confirmation shall in no manner affect prior rights, and shall only amount to a relinquishment on the part of the United States."

As the first proviso to the third section of the act of May 8, 1822, limited and restricted grants of donations to settlers on the public lands, and expressly excepted and ex-



cluded from the grant the claims of settlers which were in conflict with the superior claims recognized by the first and second sections of the act, and confirmed by the act approved March 3, 1819, it follows, as a matter of course, that no settlement-claim was confirmed which conflicted with such superior recognized or confirmed claims, and therefore in order to decide whether any particular settlement claim was confirmed by the act of May 8, 1822, or August 6, 1846, it is first necessary to ascertain its location, and to determine whether the settlement was made upon the public lands of the United States, or upon the private land claims of individuals deriving title from the French, British, or Spanish governments. For if the claim was not upon the public lands it was not confirmed by Congress, and if it was not confirmed by Congress there is no law authorizing the issue of certificates of location, for the act of Congress approved June 2, 1858, only authorizes the issuance of such certificates of location in cases in which a private land claim has been confirmed by Congress, and remains unsatisfied in whole, or in part, and the same act requires you, before issuing such certificates, to take satisfactory proof that the claim has been so confirmed.

This will more fully appear by reference to the third section of said act, which provides "that in all cases of confirmation by this act, or 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." I could not see how it was possible to decide that one of these donation claims covering a settlement, and, therefore, confined and limited to a particular tract of land, and in no wise partaking of the nature of a "float" to be located at the discretion of the claimant, had been confirmed, unless the location of the tract was first ascertained; and, therefore, on the 26th of August, 1872, I addressed you a letter of instructions directing you to take testimony as to the original location of these settlement claims.

The attorneys for the applicant in this case, in lengthy and able arguments, not only question the right of this Office to prescribe any rules for your guidance in the matter of taking proof in applications for certificates of location under the third section of the act of June 2, 1858, but also attempt to show that the particular instructions were not correct, claiming that the surveyor general acts judicially in weighing the proof, and that this Office has no jurisdiction to prescribe what shall be the kind or amount of proof in these cases.

In support of this position they give extracts from the opinions of Attorneys General Wirt and Butler based upon the acts of February 5, 1813, and May 29, 1830, to the effect that where proof must be made to the satisfaction of the register and receiver, this Office cannot revise or control their decision, or make any regulations concerning the weight or force of evidence that may be offered.

These opinions were written before the passage of the act of July 4, 1836, entitled "An act to re-organize the General Land Office," which gave to the Commissioner of that office a general supervisory power over all matters pertaining to the survey and sale of the public lands of the United States, as well as private land claims, and under which it has been repeatedly held by departmental decisions that he not only had the power to issue regulations, but to review the acts and decisions of his subordinates performed and made pursuant to the provisions of statutes similar to the act of June 2, 1858, which does not in express terms provide for such regulations or for appeals.

But admitting that the opinions of the Attorneys General cited by counsel are correct under the statute of June 2, 1858, they are not applicable to the case under consideration for in the instructions of August 26, 1872, to which counsel object, there is nothing whatever intended to control, or which could have the slightest tendency to control, the exercise of your judgment as to the weight, force, or sufficiency of the evidence submitted by any applicant in support of a claim for certificates of location. On the contrary they relate solely to the kind of proof which should be offered for your consideration, leaving you to judge of its sufficiency. This, instead of being in conflict with the opinions of the Attorneys General, is in complete harmony therewith; for Attorney General Butler, in the very opinion from which the attorneys for applicant quote, says that the Commissioner of the General Land Office "may prescribe rules conformably to which the proof is to be made," and "determine by regulations what kind of proof shall be received and in what manner it shall be made."

By reference to my instructions of August 26, 1872, you will perceive that this is all that is done. You are merely directed, 1st, to take satisfactory proof that the claim had been confirmed; 2d, to take satisfactory proof that the same in whole or in part remained unsatisfied; 3d, in order to determine whether a claim was in conflict with a superior claim, and thereby excluded from confirmation by the acts of March 3, 1819,

and May 8, 1822, you were directed to take proof as to the location of the claim. There is not one word in the instructions "concerning the weight or force of the evidence that may be offered," or that had the remotest tendency to control your judgment as to its sufficiency or insufficiency.

The attorneys in this case say that the Commissioner cannot prescribe what shall be the kind or amount of proof; Attorney General Butler, on the contrary, says that he may prescribe the kind of proof and the manner in which it shall be made. Accepting the opinion of the Attorney General as authority, I confined my instructions to the kind of proof to be taken, leaving you to judge of its weight, and to issue or refuse to issue certificates according to your judgment as to its sufficiency or insufficiency, subject to revision and approval or disapproval by this Office.

But the attorneys for applicant say that it is impossible for them to furnish proofs of the location of their claim. This is their misfortune. But as Congress requires proof of confirmation, and the question of confirmation cannot be decided without first ascertaining its location, I see no way by which this Office can properly relieve them from the difficulty of their situation. It is the duty of this Office, and of yours, to protect the Government against improper and unfounded claims; and this can only be done by requiring parties to bring themselves clearly within the provisions of the statutes under which they assert their claims.

Statutes are cited to show that at the time these claims were made settlers were prohibited from marking their lines or boundaries in a particular manner. But, as my instructions did not require the boundaries of claims to be established by any particular marks, I am unable to see what bearing these citations have upon the case under consideration. The claim of an actual settler on the public domain does not necessarily have to be defined by "blazed lines" or stakes in order to establish its identity, but it is usually asserted in such a manner as to be known and recognized by neighboring settlers.

It is claimed that it was the duty of the Government to make the survey of these donations, and, as its officers neglected to do so, the claimant should not suffer the consequences of their neglect. But no neglect is shown in this case, and the Government does not presume neglect on the part of its officials. The circumstances do not indicate neglect, but rather that the surveyor, who established the boundaries of other claims, did not find Chritendon in possession of any public lands that could be located. This presumption is strengthened by the fact that neither Chritendon nor any one claiming to be his heir or a purchaser from him has ever asserted a claim since the list was reported.

The claim for certificates of location is now asserted by a man who does not pretend that he ever knew anything of Chritendon or any heir of his, or the place of his pretended settlement, but who derives all the right he has through a purchase at a recent succession sale.

The attorneys argue at great length to show that the claim is not limited by the improvements, and that all actual settlers to whom donations were made by the acts of March 3, 1819, and May 8, 1822, are entitled to 640 acres of land. I fully agree with them in the opinion that the improvement of the whole claim was not necessary, and that the claim was not limited in area by the improvements; but, although they were entitled in some instances to a greater area than that actually improved, a claim had to be so located as to include the improvements, but they were not entitled in all cases to 640 acres of land, and in the adjustment of these donation claims numerous instances can be cited where, by reason of conflict with superior titles, the claim was limited to a less quantity, and in some instances the claim was wholly defeated by such conflict, and it has never been held that a claimant was absolutely entitled to 640 acres, although the Government, in a liberal spirit, allowed that amount to be surveyed and set off to each claimant where so much public land could be found in one body, including his improvements, and not in conflict with a superior right or title.

It is further argued that the non-location of the claim does not defeat the right or confirmation. This is true if the party had a settlement claim and the location of the claim can now be ascertained, so as to determine whether it was on public or private land, and enable you to decide whether it was confirmed or unconfirmed.

The claimant is entitled to certificates of location provided the claim was not in conflict with the superior title and has been confirmed by an act of Congress.

But if the location of the claim cannot be ascertained, it is impossible to decide whether or not it was confirmed, and if you cannot decide that it was confirmed and that it remains unsatisfied, the issuance of certificates of location is not authorized.

Counsel contend, however, that the question of conflict is not material, that it is the claim and not the land which is confirmed, and that settlers had a right to 640 acres of land notwithstanding such conflict. This is not in harmony with the act making the donation, or the contemporaneous construction placed on it by the Government. Congress may, and frequently does, grant or confirm to a party a quantity of land, and authorize him to make the location upon any of the public lands of the United States, subject to entry; but it did not do so in this and other cases of the same class, but do-

nated particular tracts of land, viz, the land settled upon and inhabited or cultivated prior to April 15, 1813.

The grant and confirmation were for lands "in place," and the party was confined in the location to the lands which he had inhabited or cultivated, and was not permitted to make a selection at his discretion.

Therefore the argument of counsel, on this point, is not applicable to the case we are now considering, however proper it might be in the case of a grant partaking of the nature of "a float."

Counsel further argue that the want of a specific location cannot defeat the claim of their client. This is true, provided the claim was confirmed, but if it was not confirmed he has no right to certificates of location under any circumstances.

And as the question of confirmation cannot be decided without first ascertaining the *locus* of the original claim or settlement, it is indispensably necessary for you to take proof on that point, not alone for the purpose of discovering whether the claim has been satisfied, but for determining whether its situation was such as to bring it within the acts confirming settlement claims on the public lands, but expressly excluding such as might be found on private grants made by the government from which the United States derived title.

A claim may have been confirmed and not satisfied by specific location or otherwise. In such case Congress provides indemnity in the form of certificates of location. But it does not make provision for satisfying claims which were not confirmed, and therefore requires proof to be taken on that point. In this case the objection to the issuance of scrip is not only merely that the claim has not been specifically located, but that it has not been confirmed.

The burden of proof is on the claimant to show confirmation, and in order to do so he must show where the settlement and claim were originally made, for Congress did not confirm all claims, but only certain settlement claims having a fixed place, or, in other words, it did not grant and confirm to these settlers the right to make a location anywhere they might select on the public domain, but merely gave to them the claims which they had already made and located, provided that they should be found on the public lands of the United States.

Numerous statutes are cited to show that Congress granted indemnity, or authorized new locations, in cases where settlers and claimants had been deprived of their claims by conflict, or a subsequent disposition of the lands by the Government.

These statutes have no bearing upon this case further than to sustain the position which this Office takes—that Congress alone can afford relief in such cases.

In the cases cited it provided such relief by special acts making new grants to the parties whose previous claims had been defeated because of conflicts with superior titles, regardless of the fact as to whether the first claims had been confirmed or not.

In other words, having the power to dispose of the public domain, and considering the peculiar circumstances and equities of the particular cases presented to it for consideration, it provided relief by authorizing new locations; not because the original claims were confirmed private land claims, but because Congress, in its discretion, thought the parties entitled to relief.

In acting on the list, however, in which Chritendon's claim was reported, Congress confined the relief to cases which it had confirmed, and this Office possesses neither the power nor the right to go beyond its provisions and authorize the issuance of certificates of location to parties whose claims had not been confirmed by Congress, nor even to parties whose claims had been confirmed by authorized commissioners or by the courts.

Congress expressly limited the jurisdiction of surveyors general in the matter of issuing certificates of location to cases which it had examined and confirmed, and required them to take satisfactory proof that they had been so confirmed. And therefore it follows that in all cases where the fact of confirmation is not fully and unquestionably established, you should refuse to issue certificates.

In this case the determination of the location of the claim became necessary to a decision as to whether it had or not been confirmed, and as its location could not be shown or ascertained with sufficient certainty to enable you to decide whether it had or had not been confirmed, you did right in refusing to issue the certificates of location. I therefore affirm your decision, because the fact of confirmation has not been established, but waive any consideration, or decision, on the point as to whether D. J. Wedge is a legal representative of Thomas Chritendon by virtue of his purchase at the succession sale, for the reason that, as the claim of Chritendon has not been confirmed, the decision on that point is not material in this case.

You will give the parties in interest notice of this decision, allowing sixty days for appeal.

Very respectfully,

WILLIS DRUMMOND,  
*Commissioner.*

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

## WASHINGTON TERRITORY AND OREGON.

Wilkins Warwick and A. J. Davis.—Decision by Secretary of the Interior, May 29, 1874:

Held, that *prima facie*, regular, and valid entries under the donation laws cannot be set aside on the allegation of fraud made by third parties who had no interest in the land prior to such entries.

Held, also, that unsurveyed donation claims may be commuted and paid for under the first section of the donation act of February 14, 1853, (10 Stat., page 158.)

St. Rosa Mission *vs.* Bussell *et al.*—Decision, dated December 8, 1873, by the Secretary of the Interior:

Held, that the grant to missions by the act of March 2, 1853, (10 Stat., p. 172,) was a grant *in presenti*, upon condition that the land was occupied upon the date of the said granting act of March 2, 1853, or had been so occupied prior to the act establishing the territorial government of Oregon. (August 18, 1848.)

Held, also, that such missionary station must belong to the society setting up claim.

In each of the reports of my immediate predecessor attention was called to the condition of private land claims within the limits of the territory acquired by the treaty of Guadalupe-Hidalgo, and the treaty commonly known as the Gadsden purchase, and it was recommended that relief be afforded by Congress from the tedious and otherwise unsatisfactory manner of determining the validity of the titles of all such claims, except those in the State of California, where a speedier method had been provided by the act of March 3, 1851, and supplemental legislation. I respectfully refer to and concur in those recommendations, for it is evident that under the present system many years must elapse before these claims are finally settled, and that the labor of examining and transmitting to Congress such of them as have been submitted to the surveyors general in the territory named, though performed with ability, nevertheless requires of these officers an expenditure of time in *quasi* judicial duties which impairs their usefulness in the performance of labor in their respective offices, more particularly appertaining to the duties of a surveyor. As an evidence of the time within which faithful public officers may be expected, under the present system, to complete the examination of these claims, it may here be stated that since the 22d day of July, 1854, the date of the passage of the first act for their adjustment, the total number of these claims reported to this Office is one hundred and thirteen, or an average of less than six claims for each year, yet it appears by the report of the United States surveyor general for New Mexico that as early as the year 1856, in his office alone, one thousand and fourteen of such claims had been filed for his consideration.

Certificates of location, in the following form, for the equivalent of 15,000 acres of land, have been issued to Thomas B. Valentine, pursuant to act of Congress approved April 5, 1872, (17, p. 649,) to wit:

## CLAIM OF THOMAS B. VALENTINE.

DEPARTMENT OF THE INTERIOR,  
*General Land-Office, Washington, D. C.,* ———, 187—.

Whereas, by act of Congress approved April 5, 1872, entitled "An act for the relief of Thomas B. Valentine," it was enacted—

"That the ninth circuit court of the United States, of California, be, and hereby is, authorized and required to hear, and decide upon the merits, the claim of Thomas B.

Valentine, claiming title, under a Mexican grant to Juan Miranda, to a place called the Rancho Arroyo de San Antonio, situate in the county of Sonoma and State of California, in the same manner, and with the same jurisdiction, as if the claim to the said tract of land had been duly presented to the board of land commissioners under the provisions of the act entitled 'An act to ascertain and settle the private land claims in the State of California,' approved March third, eighteen hundred and fifty-one, and an appeal had been duly taken from their decision to the district court of California by the said Thomas B. Valentine.

"That on the said hearing any testimony heretofore taken before the said board of commissioners in relation to said claim on behalf of the said claimant, or of the United States, may be read, subject to all just exceptions to its competency; and additional testimony, on either part, may be taken, under the order and direction of said circuit court, as to the validity and extent of said claim.

"That an appeal shall be taken from the final decision and decree of the said circuit court to the Supreme Court of the United States by either party, in accordance with the provisions of the tenth section of said act of March third, eighteen hundred and fifty-one, within six months after the rendition of such final decision, and a decree under the provisions of this act, in favor of said claim, shall not affect any adverse right or title to the lands described in said decree; but in lieu thereof, the claimant, or his legal representatives, may select, and shall be allowed, patents for an equal quantity of the unoccupied and unappropriated public lands of the United States, not mineral, and in tracts not less than the subdivisions provided for in the United States land laws, and, if unsurveyed when taken, to conform, when surveyed, to the general system of United States land surveys; and the Commissioner of the General Land Office, under the direction of the Secretary of the Interior, shall be authorized to issue scrip, in legal subdivisions, to the said Valentine, or his legal representatives, in accordance with the provisions of this act: *Provided*, That no decree in favor of said Valentine shall be executed nor be of any force or effect against any person or persons; nor shall land-scrip or patents issue as hereinbefore provided, unless the said Valentine shall first execute and deliver to the Commissioner of the General Land Office a deed conveying to the United States all his right, title, and interest to the lands covered by said Miranda grant."

And whereas the said Thomas B. Valentine did, on the 5th day of June, A. D. 1872, pursuant to the act aforesaid, file in the said circuit court of the United States, a petition praying the said court to hear and decide upon the merits of his claim to the said Rancho Arroyo de San Antonio, whereupon the said court, on the 6th day of January, A. D. 1873, in the cause entitled "Thomas B. Valentine vs. The United States," rendered the following decree:

In this case, on hearing the proofs and allegations, it is ordered, adjudged, and decreed that the said claim of the petitioner is valid, and that the same be and hereby is confirmed; but this decree and confirmation are hereby made subject to the restrictions and limitations prescribed in the act of Congress entitled "An act for the relief of Thomas B. Valentine," approved April 5, 1872.

The land of which confirmation is made is the same which was granted by Manuel Michelorena, in the name of the Mexican government, to Juan Miranda, on the 8th day of October, 1844, and on which he resided in his lifetime, and is known by the name of Rancho Arroyo de San Antonio, and bounded by the laguna and arroyo of the same name, and the pass and estero of Petaluma; and is in extent three square leagues, if that quantity is to be found within the exterior boundaries, and no more; and if a less quantity is included in said boundaries, then said lesser quantity is confirmed.

LORENZO SAWYER,  
*Circuit Judge.*

Which said decree was affirmed by the Supreme Court of the United States on the 6th day of January, A. D. 1874, as follows:

UNITED STATES OF AMERICA, ss :

The President of the United States of America to the honorable the judges of [L. s.] the circuit court of the United States for the district of California, greeting:

Whereas lately, in the circuit court of the United States for the district of California, before you, or some of you, in a cause between Thomas B. Valentine, complainant, and the United States, defendant, wherein the decree of the said circuit court, entered in said cause on the 6th day of January, A. D. 1873, is in the following words, viz: "In this case, on hearing the proofs and allegations, it is ordered, adjudged, and decreed that the said claim of the petitioner is valid, and that the same be, and hereby is, confirmed; but this decree and confirmation are hereby made subject to the restrictions and limitations prescribed in the act of Congress entitled 'An act for the relief of Thomas B. Valentine,' approved April 5, 1872. The land of which confirmation is made is the same which was granted by Manuel Michelorena, in the name of the Mexican

government, to Juan Miranda, on the 8th day of October, 1844, and on which he resided in his lifetime, and is known by the name of Rancho Arroyo de San Antonio, and bounded by the laguna and arroyo of the same name, and the pass and estero of Petaluma, and is in extent three square leagues, if that quantity is to be found within the exterior boundaries, and no more; and if a less quantity is included in said boundaries, then said lesser quantity is confirmed," as by the inspection of the transcript of the record of the said circuit court, which was brought into the Supreme Court of the United States by virtue of an appeal, agreeably to the act of Congress, in such case made and provided, fully and at large appears. And whereas, in the present term of October, in the year of our Lord one thousand eight hundred and seventy-three, the said cause came on to be heard before the said Supreme Court, on the said transcript of record, and on the motion of Mr. Assistant Attorney General Goforth, of counsel for the appellants, it is now here ordered, adjudged, and decreed by this court that the decree of the said circuit court in this cause be, and the same is hereby, affirmed.

6th January, 1874.

You, therefore, are hereby commanded that such proceedings be had in said cause as, according to right and justice, and the laws of the United States, ought to be had, the said appeal notwithstanding.

Witness the honorable Nathan Clifford, senior associate justice of said Supreme Court, the seventh day of January, in the year of our Lord one thousand eight hundred and seventy-four.

D. W. MIDDLETON,  
Clerk of the Supreme Court of the United States.

And whereas it appears that the tract of land described in the said decree, affirmed as aforesaid, contains an area of 13,316 acres, or three square leagues of land;

And whereas, pursuant to the aforesaid act of Congress, there has been deposited in the General Land Office a deed bearing date December 17, A. D. 1873, by which the said Thomas B. Valentine and Maria A., his wife, conveyed to the United States all their right, title, or interest in the said Rancho Arroyo de San Antonio, above described, which said deed was recorded on the 22d day of January, A. D. 1874, in the office of the recorder of deeds for the county of Sonoma, State of California:

Now, therefore, be it known, that on surrender of this certificate to the register of any land office of the United States, the said Thomas B. Valentine, or his legal representatives, shall be entitled to enter, in part satisfaction of said claim, the quantity of \_\_\_\_\_ acres of land upon any of the "unoccupied and unappropriated public lands of the United States, not mineral, and in tracts not less than the subdivisions provided for in the United States land laws, and if unsurveyed when taken, to conform, when surveyed, to the general system of the United States land surveys."

By direction of the Secretary of the Interior :

\_\_\_\_\_  
Commissioner.

7.—OF PRE-EMPTIONS.

The condition of the work in the Pre-emption Division of this Office for the fiscal year ending June 30, 1874, is as follows :

Of contested cases there were on hand July 1, 1873 .....	637
Received from July 1, 1873, to June 30, 1874, inclusive.....	636

Total .....	1, 323
Decided during said period .....	773
Finally referred .....	32

805

On hand July 1, 1874 .....	518
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Thus showing a reduction in this class of cases of 169.

Of contests which have been decided, there have been finally closed on the dockets, either by failure to appeal or by decision of the appellate authority, 902.

Of pre-emption entries— <i>ex parte</i> —there were on hand June 30, 1873.....	11, 467
Received up to July 1, 1874 .....	8, 630

Total .....	20, 097
Examined and approved for patent during said fiscal year.....	14, 893
Finally referred .....	1, 032

15, 931

On hand July 1, 1874 .....	4, 166
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Showing a reduction of cases over all receipts of 7,301.

This very satisfactory progress has involved an immense labor, not indicated by the number of cases, as many of the contested claims presented a record of from 500 to 1,200 pages of written testimony, in addition to documentary proof and complications of a most intricate character.

A large number of pre-emption entries made, prior to 1861, in the States of Florida, Alabama, Louisiana, Mississippi, and Arkansas, but necessarily suspended by the late war, have been re-examined, and the parties in interest advised through the district land offices of what was necessary to perfect their claims.

The following decision by the honorable Acting Secretary of the Interior is important, in that it establishes the doctrine that a pre-emptor who settles on land subsequently increased in price by falling within railroad limits does not forfeit his privilege of purchasing the land from the Government at the *minimum* price by neglecting to make his entry within the legal period. The Department holds that the pre-emptor's right to purchase land so situated, and at \$1.25 per acre, can be defeated only by a valid adverse claim of a settler :

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., September 10, 1874.*

SIR : I have examined the appeal of Erastus Kimball from your decision of May 10, 1873, by which you required him to pay an additional \$1.25 per acre for 160 acres of land in section 28, township 8 north, range 28 east, Walla Walla district, Washington Territory. Kimball filed his declaratory statement of said land on the 10th of June, 1868. He did not make payment until July 13, 1872. In the meantime the lands had become double minimum, by reason of the grant to the Northern Pacific Railroad, and the withdrawal made for the benefit of said road on the 13th of August, 1870. Kimball claims that the lands were unoffered. You held that they were offered, and that, inasmuch as payment was not made for them within the year from settlement, and they had been raised to double minimum after the expiration of the year, he should be required to pay at double minimum rates.

I am not able to agree with the conclusion you reached. In my opinion it is immaterial whether the lands were offered or unoffered.

It is the settled rule of this Department that a settler on offered land does not forfeit his right by non-payment within the year, (in analogy to the case of Johnson *vs.* Tousley, 13 Wall., 72,) provided he does pay before another person makes an entry. The statute declares that upon such failure "the tract of land so settled and improved shall be subject to the entry of any other purchaser."

I do not think that the raising of the land to double minimum should be regarded as equivalent to an entry, and therefore reverse your decision; and herewith return the papers transmitted with your letter of the 19th of May last.

Very respectfully,

B. R. COWEN,  
*Acting Secretary.*

To the COMMISSIONER OF THE GENERAL LAND OFFICE.

The following decisions from the honorable Secretary of the Interior merit attention :

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., April 15, 1872.*

SIR : I transmit herewith a copy of the opinion of the Hon. Walter H. Smith, Assistant Attorney General, in the cases of Martin Dahl *vs.* Garrett Crystal, and Gilman J. Nelson *vs.* Peter Crystal, involving the right to the southeast quarter and the northeast quarter of section 12, township 2, range 7 west, Concordia, Kans. I concur in the views set forth in the opinion. You will give the necessary orders to carry them into effect.

The papers accompanying the letters from your office of the 27th ultimo are herewith returned.

Very respectfully,

B. R. COWEN,  
*Acting Secretary.*

The COMMISSIONER OF THE GENERAL LAND OFFICE.

DEPARTMENT OF JUSTICE,  
OFFICE OF ASSISTANT ATTORNEY GENERAL,  
Washington, D. C., April 13, 1872.

SIR: I have examined the case of Garrett Crystal *vs.* Martin Dahl, involving the right to enter southeast quarter section 12, township 2 south, range 7 west, Concordia, Kans, on appeal from the decision of the Commissioner of the General Land Office of November 17, 1871.

Crystal settled on the land in controversy in December, 1870, at which date there was no land office in the district where the tract was situated, the old one at Junction City having been closed November 30, 1870.

The new one, at Concordia, was not opened until January 16, 1871. On this last mentioned date Dahl entered the tract as a homestead; subsequently Crystal applied to file as a pre-emptor, alleging settlement December, 1870. His application was at first refused by the local officers, but was afterwards allowed on receipt of the Commissioner's circular of December 30, 1870. When the old office at Junction City was closed, the land in controversy was covered by a homestead entry, which was subsequently, to wit, on the 6th day of December, 1870, canceled by the Commissioner, notice of such cancellation being sent to the local office at Concordia. The Commissioner held that the homestead entry of Dahl was made subject to any rights that might be filed for within the time allowed by law, and that, as Crystal within that time made several applications to file, and was in fact the first of the two claimants to settle on the land, he was entitled to enter the same, and that the homestead entry of Dahl should be canceled. From this decision Dahl has appealed.

While covered by an uncanceled homestead entry land is not subject to pre-emption settlement or homestead entry. When once appropriated under the homestead law, it is thereafter removed from such settlement and entry, and can only be again made subject to them by a cancellation of the homestead entry in the manner prescribed by law. (See my opinion in case of Bowman, in answer to letter of Senator Corbett, where this point is fully discussed.) The order for cancellation takes effect from the date of its receipt by the local officers, subject of course to the right of appeal.

Crystal settled before the cancellation of the prior homestead entry, and therefore acquired no right by virtue of such settlement. Neither can he take advantage of the fact that he was on the land at the date of the cancellation to antedate the right of Dahl, who during the regular office hours of that day appropriated it under the homestead law.

He was on the tract wrongfully, and cannot be allowed to take advantage of his own wrong, to the prejudice of another claimant in good faith, who has fully complied with all the requirements of law.

On the very day the old entry was canceled and before Crystal asserted his claim by asking to file, Dahl acquired a homestead right in the manner pointed out by the statute. This again removed the land from pre-emption and homestead appropriation, and the local officers very properly rejected in the first instance the proffered filings of Crystal. This view of the law is entirely consistent with the circular of December 30, 1870, which the local officers seem to have misinterpreted when they finally allowed the filings of Crystal.

I recommend that the decision of the Commissioner be reversed, and that the entry of Dahl be allowed to stand.

The case of Gilman I. Nelson *vs.* Peter Crystal, in the same land district, on appeal from a similar decision of the Commissioner, involves identically the same facts, and should receive a like disposition.

Very respectfully,

W. H. SMITH,  
Assistant Attorney-General.

Hon. C. DELANO,  
Secretary of the Interior.

For some reason this decision was not uniformly regarded as a controlling precedent until August 5, 1874, when the case of *Eno vs. McDonald*, involving the same principle, was decided by the Hon. W. H. Smith, Acting Secretary, and in which he re-affirmed the doctrine originally declared in case of *Dahl vs. Crystal*. Said decision in *Eno vs. McDonald* is as follows:

DEPARTMENT OF THE INTERIOR,  
Washington, D. C. August 5, 1874.

SIR: I have examined the case of Charles G. Eno *vs.* W. H. McDonald, involving title to northwest quarter section 10, township 6, range 10, Cawker City, Kans., on appeal from your decision of November 21, 1873.



One Isaac A. Shafer made homestead entry of the tract May 18, 1871, which entry was canceled by letter of your Office dated October 16, 1872, received at the local office October 29, 1872. October 30, 1872, Eno entered the land as a homestead; January 10, 1873, McDonald filed amended declaratory statement, alleging settlement October 26, 1872.

The material part of your decision is in the following words, viz:

"McDonald appears to have made his settlement October 26, 1872, as alleged in his declaratory statement, and to have occupied a house upon the land belonging to J. E. Moulton, which he subsequently bought, together with all the improvements of the said Moulton. At the date of his first settlement upon the land he could gain no rights to the same, it being then covered by the uncanceled homestead of Shafer; but upon the receipt of the cancellation of said homestead at the district office, he being found upon the land, his right attached *eo instanti*, to the exclusion of the homestead right of Eno, filed the morning of the 30th October, and the homestead of Eno will accordingly be held subject to the ability of the said McDonald to perfect his claim under the pre-emption law."

From this decision appeal has been taken to the Department by Eno, and error in two respects alleged: First, your finding of fact that McDonald settled in good faith prior to cancellation and the entry by Eno; second, your application of the law to the facts found. Admitting your statement of fact to be correct, (which is all that is claimed for McDonald,) I am of opinion that your decision should be reversed.

The cancellation of the prior homestead entry took effect when notice of such cancellation was received at the local office, and then, and not until then, was the land subject to further entry or settlement. (*Crystal vs. Dahl*, Secretary's decision April 13, 1872; Opinions of Assistant Attorney General, vol. 2, p. 5.) Subsequently to this receipt Eno entered the tract as a homestead. McDonald's settlement as a pre-emptor October 26, 1872, was invalid, because made while the land was yet reserved by the uncanceled entry of Shafer, and he cannot be allowed to take advantage of his own wrong to defeat the right of Eno, by claiming through it a prior right, initiated subsequently to the cancellation. (*Beebe vs. Hurlburt*, Secretary's decision July 29, 1871; Opinions Assistant Attorney General, vol. 2, p. 149.)

Your decision is, therefore, hereby reversed, and the homestead entry of Eno will stand as valid.

The papers transmitted with your letter of April 20, 1874, are herewith returned.

Very respectfully,

W. H. SMITH,  
*Acting Secretary.*

To the COMMISSIONER OF THE GENERAL LAND OFFICE.

This ruling now controls in like cases, and is of great importance to a large class of settlers.

#### 8.—EXTENSION OF TIME TO PRE-EMPTORS IN MINNESOTA.

AN ACT to extend the time to pre-emptors on the public lands in the State of Minnesota to make final payment.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the time at which pre-emptors on the public lands in the State of Minnesota, including the lands within Fort Ridgely and Sioux Indian reservations, are now required to make final proof and payment, is extended for the period of two years.

Approved June 3, 1874.

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
*Washington, D. C., June 10, 1874.*

GENTLEMEN: Inclosed herewith find copy of an act approved June 3, 1874, entitled "An act to extend the time to pre-emptors on the public lands in the State of Minnesota to make final payment."

This applies to pre-emptors on offered and unoffered lands, including Fort Ridgely and Sioux Indian reservations. It does not apply to any pre-emptors save those whose claims were initiated on or before June 3, 1874, and whose period for proof and payment had not expired prior to that date. To such it gives two years additional to the time allowed by other laws for proof and payment. You will give it effect accordingly.

Please acknowledge receipt.

Respectfully,

S. S. BURDETT,  
*Commissioner.*

REGISTERS AND RECEIVERS,  
*Minnesota.*

## 9.—TOWN SITES.

The laws relating to the sale of land occupied as town sites remain unchanged.

Since the report from this Office for the year ending June 30, 1872, two entries have been made under the county seat act of May 26, 1824, to wit, Merrick and Hamilton Counties, Nebraska.

A considerable number of town lots in the towns of Gold Hill and Virginia City, Nev., and Le Grand and Baker City, Oreg., have been entered under acts of 1864 and 1865.

Under acts of 1867 and 1868, seventy towns and cities have, through the proper authorities, made entries of the public lands, and the same have been patented as follows, to wit:

*In California.*—Angelo, 160 acres; Comanche, 40 acres; Copperopolis, 278 acres; Coloma, 400 acres; Chinese Camp, 160 acres; El Dorado, 240 acres; Greenwood, 160 acres; Georgetown, 240 acres; Hornitas, 640 acres; Windsor, 160 acres; Jenny Lind, 40 acres; Point Arena, 240 acres; Rough and Ready, 314 acres; Susanville, 240 acres; Sonora, 240 acres; San Andreas, 600 acres; Shingle Springs, 40 acres; Springfield, 120 acres; Woodbridge, 72 acres; Yreka, 511 acres.

*Nevada.*—Unionville, 80 acres; Genoa, 120 acres; Silver City, 320 acres.

*Colorado.*—Black Hawk, 400 acres; Mount Vernon, 160 acres; Walsenburgh, 200 acres; De Norte, 300 acres; Georgetown, 396 acres; Central City, 578 acres.

*New Mexico.*—San Mateo, 600 acres.

*Utah.*—Adamsville, 160 acres; Corinne, 168 acres; Drapersville, 230 acres; Enterprise, 280 acres; Greenville, 260 acres; Goshen, 160 acres; Ithaca, 160 acres; Milton, 80 acres; Peterson, 200 acres; Porterville, 160 acres; Richmond City, 840 acres; Randolph, 80 acres; Richville, 160 acres; Richfield, 540 acres; Scipio, 160 acres; Washington, 440 acres; Wales, 320 acres.

*Kansas.*—Arkansas City, 480 acres; Belleville, 160 acres; Belle Plain, 319 acres; Caldwell, 116 acres; Dodge City, 302 acres; Elk City, 160 acres; Elk Falls, 300 acres; Elgin, 137 acres; King City, 160 acres; Kirwin, 640 acres; Larned, 160 acres; Medicine Lodge, 160 acres; Neodosha, 240 acres; Oxford, 320 acres; Wellington, 320 acres; West Wichita, 144 acres.

*Montana.*—Radersburgh, 40 acres; Missoula, 40 acres; Springville, 80 acres.

*Nebraska.*—Arapahoe, 300 acres.

*Idaho.*—Lewiston, 561 acres.

*Arizona.*—Phoenix, 320 acres; Tucson, 1,280 acres.

Under act of May 21, 1872, (U. S. Statutes, vol. 17, page 140,) 160 acres have been patented to the city of Denver, Col., for a cemetery.

On the 27th of July, 1874, all vacant lots in Sault Sainte Marie, Mich., 59 in number, were sold for cash to the highest bidder, under instructions from this Office of March 14, 1874, pursuant to the provisions of section 9, act of September 26, 1850, (U. S. Statutes, vol. 9, page 469.) Patents for these lots will issue in due course.

The following act was approved February 11, 1874:

## 10.—ACT FOR REMOVAL OF FLATHEAD AND OTHER INDIANS.

AN ACT to amend the act entitled "An act to provide for the removal of the Flathead and other Indians from the Bitterroot Valley, in the Territory of Montana," approved June fifth, eighteen hundred and seventy-two.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the time of sale and payment of pre-empted lands in the

Bitterroot Valley, in the Territory of Montana, is hereby extended for the period of two years from the expiration of the time allotted in the act entitled "An act to provide for the removal of the Flathead and other Indians from the Bitterroot Valley, in the Territory of Montana," approved June fifth, eighteen hundred and seventy-two.

SEC. 2. That the benefit of the homestead act is hereby extended to all the settlers on said lands who may desire to take advantage of the same.

Approved February 11, 1874.

Under this act the following letter of instructions was addressed to the local land officers at Helena, Mont. :

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., March 26, 1874.*

GENTLEMEN: I transmit herewith copy of "An act to amend the act entitled 'An act to provide for the removal of the Flathead and other Indians from the Bitterroot Valley in the Territory of Montana,' approved June fifth, eighteen hundred and seventy-two."

This act was approved February 11, 1874, and extends the time for sale and payment on the lands therein referred to for the period of two years from the expiration of the time allowed by act of June 5, 1872, to wit, two years from and after the date when the time for payment would otherwise expire in each case.

The second section allows these lands to be taken under the homestead laws in the same manner as other public lands, and you will treat them accordingly. Please acknowledge receipt.

Respectfully,

WILLIS DRUMMOND,  
*Commissioner.*

REGISTER AND RECEIVER,  
*Helena, Mont.*

Upon questions propounded by the register and receiver at Helena, Mont., in relation to the same lands, the following was communicated :

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
*Washington, D. C., July 18, 1874.*

GENTLEMEN: Yours of April 13, 1874, has been received.

I will reply briefly:

1st. All sections, odd and even, opened to settlement by act approved June 5, 1872, entitled "An act to provide for the removal of the Flathead and other Indians from Bitterroot Valley, in the Territory of Montana," are subject to pre-emption and homestead entry.

2d. Settlers may file on odd in the same manner as on even sections.

3d. A settler *should* name the actual date of his settlement in his declaratory statement. That he does not do this is not ground for rejecting his filing. In any case where it becomes material, a decision will be rendered after the whole case shall have been duly presented, and until the dates alleged in a declaratory statement are *proven* incorrect, they must be treated as true.

4th. Settlers are allowed to homestead 160 acres, and commute the same as in ordinary cases at \$1.25 per acre.

Respectfully,

S. S. BURDETT,  
*Commissioner.*

REGISTER AND RECEIVER,  
*Helena, Montana Territory.*

#### 11.—ACT FOR THE RELIEF OF SETTLERS ON THE CHEROKEE STRIP IN KANSAS.

The following act relates to the Cherokee strip in Kansas :

AN ACT for the relief of settlers on the Cherokee strip in Kansas.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That all persons who, by the provisions of the second section of the act entitled "An act to carry out certain provisions of the Cherokee treaty of eighteen hundred and sixty-six, and for the relief of settlers on the Cherokee lands in the State of Kansas," approved May eleventh, eighteen hundred and seventy-two, who

have become entitled at any time to enter and purchase any portion of the lands mentioned in said act, but who have failed to make proof of settlement, entry, and payment within the times provided by said act, shall have and be allowed additional time within which to make such proof of settlement, entry, and payment to the first day of January, eighteen hundred and seventy-five; and no forfeiture of any rights of such persons shall be had or have effect by reason of failure heretofore to make such proof of settlement, entry, and payment within the time provided by said act, anything in the said act to the contrary notwithstanding; and all persons availing themselves of the provisions of this act shall, at the time of entry and payment, pay interest on the purchase money of their lands at the rate of five per centum per annum from the time at which such payment should have been made by the terms of the aforesaid act to the time that payment shall be made.

Approved April 29, 1874.

Under said act the following instructions were issued :

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
Washington, D. C., August 11, 1874.

GENTLEMEN: By the act of Congress approved May 11, 1872, the time in which settlers on the Cherokee strip must perfect their claims expired May 11, 1874. April 29, 1874, Congress passed an act extending the time in which proof and payment must be made to January 1, 1875.

It is also provided in said act that all settlers claiming its benefits must pay interest on their purchase money at the rate of five per centum per annum, reckoned from the time when such payment should have been made, under the act of May 11, 1872, to the time such payment is actually made.

In all cases coming up under this act, you will govern yourselves by these instructions.

Respectfully,

S. S. BURDETT,  
Commissioner.

REGISTER AND RECEIVER,  
Independence, Kans.

## 12.—ACT EXTENDING TIME FOR COMPLETING ENTRIES OF OSAGE INDIAN LANDS IN KANSAS.

The following act relates to the Osage Indian lands in Kansas :

AN ACT to extend the time for completing entries of Osage Indian lands in Kansas.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That all actual settlers upon the Osage Indian trust and diminished reserve lands in the State of Kansas shall be allowed one year from the passage of this act in which to make proof and payment: *Provided,* That all purchasers who avail themselves of the provisions of this act shall pay interest on the purchase price of their lands at the rate of five per centum from the date when payment was required by the previous laws to date of actual payment: *And provided further,* That no further extension of payment shall be granted than that provided for in this act, and that all occupants now upon said Osage lands shall file their application to purchase the lands occupied by them within three months after the passage of this act, or forfeit all right or claim to the same.

Approved June 23, 1874.

## 13.—HOMESTEAD LAW.

During the last fiscal year the quantity of public land entered under the homestead law was 3,518,861.63 acres, a decrease as compared with the preceding fiscal year of 274,750.89 acres. Of homestead entries previously initiated, final proof was made and certificates issued for 14,320, an increase over the preceding fiscal year of 4,426. My predecessor in office recommended a consolidation of the main features of the pre-emption and homestead laws into one general statute, and a bill for the purpose was introduced into Congress, but was not finally acted upon. I concur in his opinion as to the desirability of such a measure, and renew the recommendation referred to.

By the act of June 18, 1874, Congress provided for the relief of settlers in specified sections of Minnesota and Iowa whose crops were destroyed or seriously injured by the ravages of grasshoppers in 1873 and

1874, allowing them "to leave and be absent" from their settlements for a given period and to resume and perfect their settlements as though no such absence had been allowed. The proper instructions have been issued to the district land officers for carrying this law into effect.

There is reason to believe that the ravages of these insects extended into other sections of the country than those specified in the act, and I recommend that a law be enacted whereby a homestead settler in any section, without limitation, who may have left his settlement because of the destruction or serious injury of his crops by grasshoppers may be permitted, on a proper showing of the facts, to prove up and perfect his claim in the same manner as if his settlement had not been interrupted by such absence, except cases in which this Office may have taken action to cancel the entry of the party and in which adverse rights may have intervened.

The following circulars of instructions have been issued under the last named act, viz:

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
*Washington, D. C., July 9, 1874.*

REGISTERS AND RECEIVERS:

GENTLEMEN: I transmit herewith copy of an act entitled "An act for the relief of certain settlers on the public lands in certain portions of the States of Minnesota and Iowa."

It is the intention of section 1 of said act to grant to pre-emption and homestead settlers a leave of absence from their claims where their crops were destroyed or seriously injured by grasshoppers in 1873 and the ravages of these insects are again commenced in 1874.

Section 3 legalizes an enforced absence from a like destruction or injury to crops to such as may have settled in 1874.

Section 2 provides that during such period of absence no adverse right can attach, and that the term of absence shall be regarded as a part of the period required to perfect title under the homestead law, and a part of the time pre-emptors are allowed for proof and payment; that is to say, they are during such absence constructively present on their claims.

The act is not retroactive, and legalizes absence only between June 18, 1874, and May 1, 1875.

This right of absence is not available to any whose crops are not either destroyed or seriously injured; hence when a settler not actually entitled to the benefits of this act absents himself from his claim it will be construed as an abandonment, and adverse claims will be recognized.

Written notice of intended absence, signed by the party, should be filed with the register and receiver when he leaves his claim. This is a means of protection to the claimant, and is due those who otherwise might initiate invalid adverse claims.

At date of final proof by any party who has availed himself of the act, proof must be submitted, showing the period of absence, and its necessity. This proof should consist of such details as will enable you and this Office to judge whether the absence is justified by the law.

After a party shall have filed notice with you of intended absence under this act, no contest involving his rights to the land can be instituted prior to May 1, 1875.

If the party has made fraudulent absence, it will be a matter for investigation in the regular manner after said last-mentioned date.

All contests touching such claimants, commenced prior to June 18, 1874, may be proceeded with.

You will govern your action accordingly. Please acknowledge receipt.

Respectfully,

S. S. BURDETT,  
*Commissioner.*

AN ACT for the relief of certain settlers on the public lands in certain portions of the States of Minnesota and Iowa.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That it shall be lawful for homestead and pre-emption settlers on the public lands in the counties of Cottonwood, Noble, Martin, Jackson, Watonwan,

Murray, Rock, Lyon, Redwood, Brown, Chippewa, and Renville, in the State of Minnesota, and the counties of Iowa which compose the Sioux City land district, and counties contiguous to either of the above exempted sections, where the crops of such settlers were destroyed or seriously injured by grasshoppers in the year eighteen hundred and seventy-three, and where such grasshoppers shall appear in eighteen hundred and seventy-four to the like destruction of the crops of such settlers, to leave and be absent from said lands until May first, eighteen hundred and seventy-five, under such regulations as to proof of the same as the Commissioner of the General Land-Office may prescribe.

SEC. 2. That during such absence no adverse right shall attach to such lands, such settlers being allowed to resume and perfect their settlements as though no such absence had been enjoyed or allowed.

SEC. 3. That the same exemption from continued residence shall be extended to those making settlement in eighteen hundred and seventy-four and suffering the same destruction of crops as those making settlement of eighteen hundred and seventy-three or any previous year.

Approved June 18, 1874.

DEPARTMENT OF THE INTERIOR,  
GENERAL LAND OFFICE,  
Washington, D. C., August 17, 1874.

To the registers and receivers of the United States land-offices at Des Moines and Sioux City, Iowa; Worthington, New Ulm, Redwood Falls, and Litchfield, Minnesota:

GENTLEMEN: In view of the great distress prevailing in certain counties of the States of Iowa and Minnesota, caused by the destruction of crops by grasshoppers, the existence of which is recognized by the act of Congress approved June 18, 1874, and of representations made to this Office of the inability of the homestead settlers within the devastated districts to bear the expenses of a long journey required to be made by themselves and witnesses to the local land-office for the purpose of making the final proof required by law, and to the end that such persons as are now entitled under the law to make such proof may be enabled to do so at the least possible expense to themselves, consistent with the due administration of the law by this Office, existing regulations are so far modified as that from this date and until May 1, 1875, the final affidavit and proof in homestead cases may be made at the court-house of the county within which the homestead premises are situated, before the clerk of any court of record for such county authorized by law to use an official seal.

To entitle parties to the benefit of this mode of proof it is required that they post up conspicuously on the land embraced in the homestead entry, and on the door of the court-house, and keep posted for not less than three weeks, a written or printed notice, to be signed by the homestead settler, stating that he will, on a day to be named therein, appear before the clerk of the court, at the court house, for the purpose of making final homestead proof on the land, describing the same by subdivisions of section, township, and range.

The affidavit of the settler and the proof of his witnesses must show: First, the settlement and cultivation of the land, as is required by law in ordinary cases; second, that the notices herein specified were posted, and remained posted, in the manner and for the period of time required by these regulations; and, third, that in consequence of the ravages of grasshoppers the party is unable to defray the expense of a personal attendance at the district land-office. A certificate from the clerk of the court must accompany the said papers, and show that the settler and the witnesses produced by him are residents of the county, or in the neighborhood of the land, and are credible persons.

In cases where it is not practicable to prove the settlement and cultivation of the land and the posting of notices, as herein required, by the same witnesses, the fact of the posting and maintenance of the notices may be shown in a separate affidavit by other witnesses, whose credibility shall be certified in the manner hereinbefore specified by the clerk of the court.

After these papers shall have been properly attested under seal by the clerk, the same may be transmitted by mail or private hand, together with the necessary fee and commissions, to the register and receiver of the proper district land-office. The fee and commissions so forwarded, however, will be at the risk of the party forwarding the same.

The foregoing privilege will be confined to homestead settlers residing within the boundaries of the Sioux City land district and the counties that are contiguous thereto in Iowa, and the counties of Cottonwood, Nobles, Martin, Jackson, Watonwan, Murray, Rock, Lyon, Redwood, Brown, Chippewa, and Renville, and the counties contiguous thereto, in the State of Minnesota.

S. S. BURDETT,  
Commissioner.

## 14.—HOMESTEAD RULINGS.

The following rulings of this Office under the homestead law, being of general interest to persons availing themselves of that law, I deem it proper to incorporate in this report :

1. In adjudicating cases under the soldiers' and sailors' homestead act of June 8, 1872, it is held that April 15, 1861, the date of the President's proclamation calling out the militia for suppressing the rebellion, is to be taken as the beginning, and August 20, 1866, the date of the President's proclamation declaring the war at an end in the State of Texas, as the end of the rebellion.

2. An unmarried woman having entered land under the homestead law, and subsequently married, it was held that she did not by her marriage forfeit her rights under such entry, provided she should fulfill the requirements of the statute regarding settlement and cultivation of the entered tract.

3. Where a woman, abandoned by her husband, and acting as the head of the family, entered land as a homestead, and the husband subsequently returned to his wife and family, it was held that the wife, notwithstanding the return of her husband, was entitled to perfect her entry by making the required settlement and cultivation of the land, and to obtain a patent therefor on making final proof after the expiration of five years from the date of entry.

4. In case of a person who had made a homestead entry and who became insane, and the proper evidence of his insanity and of his being confined in an insane asylum having been forwarded to this Office, it was decided that no application to contest his entry on the ground of abandonment, would be allowed during the continuance of his insanity; also, that the settlement and cultivation of the land and the proof thereof required by law, may in such case be made by the guardian of the insane person.

5. Under the provisions of the act of June 8, 1872, where a soldier was discharged for disability before the expiration of his term of enlistment, and having recovered from his disability again enlisted before the expiration of his first term, and served to the close of the war, it was held that he was not entitled to count the full term of his first enlistment and the period of service under his second enlistment, in making his proof of settlement and cultivation, but only the term of his first enlistment and that portion of his service on his second enlistment which extended beyond the term of his first.

6. Soldiers' homestead declarations, under the act of June 8, 1872, it has been held, must be rejected when received at the district land offices by mail, the law requiring that they shall in all cases be filed by the soldier in person or by his duly authorized agent.

7. It is held that soldiers who have under the eighth section of the act of May 20, 1862, commuted homestead entries made prior to the passage of the act of June 8, 1872, for less than 160 acres, have the right to make an additional entry under the latter act, to make up with the first entry the maximum quantity of 160 acres, and receive a patent therefor, notwithstanding that the period of their settlement and cultivation on the first entry may have been less than one year, and with the time allowed on account of service in the Army or Navy during the rebellion may not equal five years.

8. In a case involving the point, it was held that the term of a soldier's military service during the rebellion cannot be made of any benefit in perfecting a homestead entry initiated by his wife before marriage, but the wife if she complies with the requirements of the statute regarding

settlement and cultivation may make final proof on the same; also, that the husband may avail himself of his right to make an entry under the soldiers' and sailors' homestead act, but if the same be initiated prior to the consummation of his wife's entry, the latter would have to be commuted under the provisions of the eighth section of the act of May 20, 1862.

9. It has been held that soldiers or sailors entitled to enter additional land under the act of June 8, 1872, may make the required affidavits before the clerk of any court of record for the county in which they reside, or before the register or receiver of any United States land-office; also, that in so doing, under the amendatory act of March 3, 1873, they are not restricted to tracts forming together a compact body of land, but may, if they so desire, make up the quantity of 160 acres by selection of tracts wherever found.

#### 15.—GRADUATION ENTRIES.

The act of Congress of 4th of August, 1854, graduated the price of public lands, which had been in market and remained unsold for ten years and upward, to actual settlers, the prices varying from \$1 to 12½ cents per acre, according to the length of time the tracts were in market respectively. Numerous entries were made under this act according to regulations made by this Office, the periods and principles of which were confirmed by act of Congress of 3rd March, 1855. These entries were of two classes: the first, consisting of such as were made by persons already residing upon and cultivating adjoining farms, and who entered the lands for the use of such farms; and the second, consisting of such as were made by parties who either already were settlers and cultivators of the entered tracts, or who contemplated at once becoming such. In entries of the first class, if on examination in this Office they were found regular in every respect, as reported here from the district land offices; if the preliminary affidavit of the person on which the entry was allowed was found to designate the original farm tract, and this to adjoin the tract entered for its use, according to law, the entries were patented and the patents delivered in regular course, without further proof being required.

In entries of the second class, proof that settlement and cultivation of the entered tract had been made as contemplated in the law was required to be produced before the patents were delivered. Many entries of this class were made, the proof of settlement and cultivation produced, and the patents delivered according to rule; but there were many other cases in which the required proof was not forthcoming, and in these the delivery of the patents was suspended to await its production. Under the confirmatory act of 3d March, 1857, the patents were delivered, on application therefor, without the proof being required in all such cases, where the entry was allowed prior to the passage of that act, and where it was not found to have been fraudulently or evasively made. Subsequent to the passage of that act, and prior to the 2d June, 1862, when the graduation law was repealed, a large number of entries were allowed under that law, and in the course of business there came to be many patents for entries so allowed, the delivery of which was suspended for the reason that the required proof of settlement and cultivation was not forthcoming.

To this class of cases the confirmatory principles of the act of 3d March, 1857, were made applicable by the act of February 17, 1873. Under the last mentioned act this Office has issued patents for the en-



tries thereby confirmed, as fast as applications have been made therefor by the proper parties. Of such patents there yet remain on file awaiting such applications about 5,000.

In carrying out the provisions of the graduation law, by the district land officers, many irregularities arose in allowing entries and in issuing and forwarding the papers therefor, which it was necessary should be rectified before the patents could be issued. Cases of this character to the number of twenty thousand have accumulated which have been the subject of correspondence, but which have not yet been finally adjusted, action being necessary in most cases on the part of the interested parties.

#### 16.—ABANDONED MILITARY RESERVATIONS.

The act of Congress of February 24, 1871, provides for the disposal of the lands embraced in the military reservations no longer required for military purposes at Fort Lane, Oregon; Fort Walla Walla, Washington Territory; Fort Jessup, Louisiana; Fort Sabine, Louisiana; Fort Smith, Arkansas; Fort Wayne, Arkansas; Fort Zarah, Kansas; Fort Abercrombie, Minnesota; Camp McGarry, Nevada; Fort Sumner, New Mexico; and Fort Bridger, Wyoming Territory. Of these there have been surveyed the reservations at Fort Lane, Fort Walla-Walla, Fort Jessup, Fort Smith, Fort Wayne, Fort Zarah, Fort Abercrombie, Camp McGarry, Fort Sumner, leaving two, Fort Sabine and Fort Bridger, for which, although contracts for their survey have been made, no returns of such survey have yet been received.

1. In the case of Fort Walla Walla, as was stated in a former report, the War Department again found use for the reservation as a military post, and resumed control of it.

2. In the case of Fort Smith, Fort Abercrombie, and Fort Sumner the lands were appraised as provided for in the statute, but further action was suspended in view of proposed legislation affecting the lands.

3. In the case of Fort Wayne the appraisers reported \$1.25 per acre as the value of the lands, being the minimum price of public lands as fixed by law. As there does not appear to be any exceptional demand for these lands, there being no improvements belonging to the Government thereon, and the valuation not exceeding the ordinary minimum, I see no reason why they should not be thrown open to entry as other public lands in Arkansas under the homestead law, and I recommend the necessary legislation to that end.

4. In the case of Camp McGarry the lands have not yet been appraised. There are no Government improvements of value, and as there appears to be no reason why they should be worth more than ordinary public lands, I recommend legislation by which they may be disposed of under the homestead and pre-emption laws, and a saving thereby effected to the Treasury of the expenses of appraisement and advertising, under existing law.

5. In the case of Fort Jessup the appraisement provided for by law has been made, the value of the land being fixed at from \$1.25 to \$3 per acre. The offering will be made without unnecessary delay.

6. In the case of Fort Lane the land has been appraised, and steps have been taken for offering the same at public outcry, as provided for in the statute.

7. In the case of Fort Zarah the lands, having been appraised at from \$3 to \$10 per acre, were offered at public sale in July last, when only two lots, containing together 45.20 acres, were sold, at \$4 per acre, the appraised value, leaving the remainder of the reservation open to sale at ordinary private entry at the prices fixed by the appraisement made.

## 17.—EDUCATIONAL LAND BOUNTY.

The grant for common schools in the States containing public lands admitted into the Union previous to the 14th February, 1859, the date of the act admitting Oregon, embraced the sixteenth section in every township of public land therein. In the case of Oregon, and in every State since admitted, this grant was doubled by the addition of the thirty-sixth section in every township. Where there are deficiencies in sections sixteen or thirty-six, it is provided by the acts of 20th May, 1826, and 26th February, 1859, that other lands of equivalent area may be selected as indemnity for such deficiencies. Selections reported to this Office, in pursuance of these acts, were certified during the last fiscal year to the amount of 69,899.84 acres.

There were grants made by Congress, from time to time, for the support of seminaries or universities, embracing lands to the amount of two townships—in some instances more—in every State containing public lands. Under the grants for universities there were certified during the past fiscal year selections to the amount of 64,636.52 acres.

The agricultural and mechanic college grant act of July 2, 1862, and acts supplemental thereto, benefited as well the States in which there were no public lands as those in which there were, embracing a grant of lands in place to the latter and of scrip to the former, the scrip to represent the same quantity of land to which they would have been entitled under the law, had there been such lands within their limits subject to sale at \$1.25 per acre, and to be sold by the States and located by their assignees on public lands contained in other States and Territories. In pursuance of this legislation there were certified, during the fiscal year, selections in place to the amount of 114,289.18 acres, and with scrip issued thereunder there were located, during the same period, and the locations reported to this Office from the district land offices, 112,932.98 acres of land.

## 18.—TIMBER-CULTURE.

The timber culture act of March 3, 1873, as amended by the act of March 13, 1874, has for its object the promotion of the growth of timber on western prairies, by providing a method of acquiring title to public lands on condition that timber shall be grown thereon to an extent and for a period of time therein specified. The proper instructions for carrying the law into effect have been communicated to the district land officers, and the returns received from them show that the measure has met with a large degree of success, the number of acres entered under said act during the last fiscal year being 803,945.47 acres.

The following instructions relating to timber culture were sent to the district land officers under date of April 6, 1874, viz :

*Registers and Receivers of United States Land Offices :*

GENTLEMEN: Your attention is called to the annexed act of Congress, entitled "An act to amend the act entitled 'An act to encourage the growth of timber on western prairies.'"

You will observe that the privilege of entry under this act is confined to persons who are heads of families, or over twenty-one years of age, and who are citizens of the United States, or have declared their intention to become such ;

That the affidavit required on making an entry under this act may be made before you, or either of you, or before some officer authorized to administer oaths in your district, who is required by law to use an official seal ;

That not more than one quarter of any one section can be entered under this act ;

That the privilege of making more than one entry thereunder is confined to such

parties as shall enter, in each and every instance, a fractional subdivision of less than 40 acres, and that the aggregate area of such entries shall not exceed 160 acres.

That the ratio of area required to be broken, planted, &c., is, in all cases initiated under the first section of this act, one-fourth of the land embraced in the entry;

That one-fourth part of the area required to be devoted to timber must be broken within one year from date of entry; one-fourth part more within two years from date of entry; and the remaining one-half within three years from date of entry;

That one-fourth part of the area required to be devoted to timber must be planted within two years from date of entry; one-fourth part more within three years from date of entry; and the remaining one-half within four years from date of entry;

That the trees are required to be not more than twelve feet apart each way, and that the same are required to be protected, cultivated, and kept in a healthy growing condition for eight years next succeeding the date of entry;

That if, at the expiration of the said eight years, or at any time within five years thereafter, the person making the entry, or, if he or she be dead, his or her heirs or legal representatives, shall prove by two credible witnesses the fact of such planting, cultivation, &c., of the said timber for not less than the said period of eight years, he, she, or they shall receive a patent for the land embraced in said entry;

That in case of the death of a person who, having entered a quarter-section, has complied with the provisions of this act for the period of three years—that is to say, who has broken ten acres the first year, ten acres the second year, and twenty acres the third year; and who has planted ten acres with timber the second year, and ten acres the third year—then, and in that case, his or her heirs or legal representatives shall be permitted, at their option, to continue to comply with the provisions of this act during the unexpired portion of the eight years, and thereupon receive a patent for said quarter section; or, on making proper proof of the compliance of the deceased settler with the requirements of the act for the said period of three years, they shall receive, without delay, a patent for forty acres of said quarter-section, upon the condition that they relinquish to the United States all claim to the remainder of the land embraced in such entry;

That if at any time after not less than one year from the date of entry under the first section of this act, and prior to the issue of a patent therefor, the claimant shall fail to do the breaking and planting required by this act, or any part thereof, or shall fail to cultivate, protect, and keep in good condition such timber, then, and in that event, such land shall become liable to a contest, in the manner provided in homestead cases; and upon due proof of such failure, the entry shall be canceled and the land become again subject to entry by some other duly qualified person under this act, or by the first legal applicant under the homestead laws;

That each and every homestead settler, at any time after the end of the third year of his or her residence, who, in addition to the settlement and improvements required by the homestead laws, shall have had under cultivation for two years one acre of timber (the trees thereon being not more than twelve feet apart each way, and in a good, thrifty condition) for each and every sixteen acres of said homestead, shall, upon due proof of such fact by two credible witnesses, receive his or her patent for said homestead;

That no land acquired under the provisions of this act shall in any event become liable to the satisfaction of any debt or debts contracted prior to the issuing of final certificate therefor;

That the fees for all entries under this act shall be ten dollars, and the commission of registers and receivers on all entries (irrespective of area) shall be four dollars (two dollars to each) at the date of entry, and a like sum at the date of final proof;

That no distinction is made, as to area or the amount of fee and commissions, between minimum and double minimum lands; a party may enter 160 acres of either, on payment of the prescribed fee and commissions;

That the fifth section of the act entitled "An act in addition to an act to punish crimes against the United States, and for other purposes," approved March 3, 1857, shall extend to all oaths, affirmations, and affidavits required or authorized by this act;

And that persons who may have already made entries under the timber-culture act of March 3, 1873, of which this is amendatory, shall be permitted to continue and complete the same in the manner and under the conditions prescribed by this act.

When application shall be made, in the accompanying Form A, to enter a tract of land under the provisions of the first section of this act, I have to direct:

First. That you will require such entry, whether the same shall comprise 160 acres, (more or less,) or 80 acres, to be confined to the northeast quarter, the northwest quarter, the southeast quarter, or the southwest quarter of a given section; or, in other words, to a *technical quarter-section*, or a *technical half quarter-section*, as the case may be, of prairie lands naturally devoid of timber.

Second. You will assure yourself, by a careful reference to the plats and tract-books of your office, that the land applied for in any and all cases will not, in conjunction with any previous entry or entries, in the same section, that may have been made under

this act, or the act of March 3, 1873, exceed one-quarter of the said section, which is the limit fixed by the law.

Third. In the case of an entry of a fractional subdivision containing less than 40 acres, you will require the applicant to state in his affidavit that he has, or has not, as the case may be, made a previous entry of a similar fractional subdivision. If he shall have made one or more such previous entries, you will require him to exhibit to you his duplicate receipts, or patents therefor, and you will note the same by number, acres, district, and description of the land, upon the application presented to you, thus: Previous entry No. —, [Description,] — acres, — District.

Fourth. When you shall have satisfied yourself that the land applied for is properly subject to such entry, you will require the affidavit, Form B, and on payment of the fee and first commissions, the receiver will issue his receipt therefor.

Fifth. The entry will thereupon be noted upon your plat and tract-book, and reported with your monthly returns in distinct abstracts, under the head of "Timber-culture entries under the provisions of the first section of the act of March 13, 1874," commencing the series with No. 1, unless you shall have already commenced a series under the act of March 3, 1873, in which case you will continue that series, giving to entries under this the current numbers thereof.

Sixth. The fee and commissions in this class of entries the receiver will account for in the usual manner, indicating the same as fees and commissions on timber-culture entries, which will be charged against the maximum of \$3,000 now allowed by law.

Seventh. That when final proof is offered, under the provisions of the fourth section of this act, upon homestead entries, you will require the affidavit, Form C, and the proof, Form D, both of which must show that the homestead settler has resided upon his tract for not less than three years. Thereafter, on payment of the final homestead commissions, you will issue a final certificate, Form E, and a final receipt. Entries of this class will take current numbers in your regular final homestead series.

Eighth. In all cases of entry, or homestead proof, under the provisions of this act, it will be required that the character of the trees planted shall come within the scope and meaning of the term "timber." Shrubbery and fruit-trees cannot be accepted as meeting the requirements of the act.

Annexed will be found Forms A, B, C, D, and E.

WILLIS DRUMMOND,  
Commissioner.

[GENERAL NATURE—No. 16.]

AN ACT to amend the act entitled "An act to encourage the growth of timber on western prairies."

Be it enacted by the Senate and House of Representatives of the United States in Congress assembled, That the act entitled "An act to encourage the growth of timber on western prairies," approved March third, eighteen hundred and seventy-three, be, and the same is hereby, amended so as to read as follows: That any person who is the head of a family or who has arrived at the age of twenty-one years, and is a citizen of the United States, or who shall have filed his declaration of intention to become such, as required by the naturalization laws of the United States, who shall plant, protect, and keep in a healthy growing condition for eight years, forty acres of timber, the trees thereon not being more than twelve feet apart each way, on any quarter-section of any of the public lands of the United States, or twenty acres on any legal subdivision of eighty acres, or ten acres on any legal subdivision of forty acres, or one-fourth part of any fractional subdivision of land less than forty acres, shall be entitled to a patent for the whole of said quarter-section, or of such legal subdivision of eighty or forty acres, or fractional subdivision of less than forty acres, as the case may be, at the expiration of said eight years, on making proof of such fact by not less than two credible witnesses: *Provided*, That not more than one quarter of any section shall be thus granted, and that no person shall make more than one entry under the provisions of this act, unless fractional subdivisions of less than forty acres are entered which, in the aggregate, shall not exceed one quarter-section.

Sec. 2. That the person applying for the benefit of this act shall, upon application to the register of the land-district in which he or she is about to make such entry, make affidavit before the register, or the receiver, or some officer authorized to administer oaths in the district where the land is situated, who is required by law to use an official seal, that said entry is made for the cultivation of timber, and upon filing said affidavit with said register and said receiver, and on payment of ten dollars, he or she shall thereupon be permitted to enter the quantity of land specified; and the party making an entry of a quarter-section under the provisions of this act shall be required to break ten acres of the land covered thereby the first year, ten acres the second year, and twenty acres the third year after date of entry, and to plant ten acres of timber the second year, ten acres the third year, and twenty acres the fourth year after date of entry. A party making an entry of eighty acres shall break and plant, at the times hereinbefore prescribed, one-half of the quantity required of a party who enters a quarter-

section; and a party entering forty acres shall break and plant, at the times hereinbefore prescribed, one-quarter of the quantity required of a party who enters a quarter-section, or a proportionate quantity for any smaller fractional subdivision: *Provided, however,* That no final certificate shall be given or patent issued for the land so entered until the expiration of eight years from the date of such entry; and if at the expiration of such time, or at any time within five years thereafter, the person making such entry, or, if he or she be dead, his or her heirs or legal representatives, shall prove, by two credible witnesses, that he, or she, or they have planted, and, for not less than eight years, have cultivated and protected, such quantity and character of timber as aforesaid, they shall receive a patent for such quarter-section or legal subdivision of eighty or forty acres of land, or for any fractional quantity of less than forty acres, as herein provided. And in case of the death of a person who has complied with the provisions of this act for the period of three years, his heirs or legal representatives shall have the option to comply with the provisions of this act, and receive, at the expiration of eight years, a patent for one hundred and sixty acres, or receive without delay a patent for forty acres, relinquishing all claim to the remainder.

SEC. 3. That if at any time after the filing of said affidavit, and prior to the issuing of the patent for said land, the claimant shall abandon the land, or fail to do the breaking and planting required by this act, or any part thereof, or shall fail to cultivate, protect, and keep in good condition such timber, then, and in that event, such land shall be subject to entry under the homestead laws, or by some other person under the provisions of this act: *Provided,* That the party making claim to said land, either as a homestead settler or under this act, shall give, at the time of filing his application, such notice to the original claimant as shall be prescribed by the rules established by the Commissioner of the General Land Office, and the rights of the parties shall be determined as in other contested cases.

SEC. 4. That each and every person who, under the provisions of the act entitled "An act to secure homesteads to actual settlers on the public domain," approved May twentieth, eighteen hundred and sixty-two, or any amendment thereto, having a homestead on said public domain, who, at any time after the end of the third year of his or her residence thereon, shall, in addition to the settlement and improvements now required by law, have had under cultivation, for two years, one acre of timber, the trees thereon not being more than twelve feet apart each way, and in a good, thrifty condition, for each and every sixteen acres of said homestead, shall, upon due proof of such fact by two credible witnesses, receive his or her patent for said homestead.

SEC. 5. That no land acquired under the provisions of this act shall in any event become liable to the satisfaction of any debt or debts contracted prior to the issuing of certificate therefor.

SEC. 6. That the Commissioner of the General Land Office is hereby required to prepare and issue such rules and regulations, consistent with this act, as shall be necessary and proper to carry its provisions into effect; and that the registers and the receivers of the several land-offices shall each be entitled to receive two dollars at the time of entry, and the same sum when the claim is finally established and the final certificate issued.

SEC. 7. That the fifth section of the act entitled "An act in addition to an act to punish crimes against the United States, and for other purposes," approved March third, eighteen hundred and fifty-seven, shall extend to all oaths, affirmations, and affidavits required or authorized by this act.

SEC. 8. That parties who have already made entries under the act approved March third, eighteen hundred and seventy-three, of which this is amendatory, shall be permitted to complete the same upon full compliance with the provisions of this act.

Approved March 13, 1874.

A.

#### TIMBER-CULTURE ACT OF MARCH 13, 1874.

*Application No. —.*

I, \_\_\_\_\_, hereby apply to enter, under the provisions of the first section of the act of March 13, 1874, entitled "An act to amend the act entitled 'An act to encourage the growth of timber on western prairies,'" the \_\_\_\_\_ of section \_\_\_\_\_, in township \_\_\_\_\_, of range \_\_\_\_\_, containing \_\_\_\_\_ acres.

LAND-OFFICE AT \_\_\_\_\_, \_\_\_\_\_, 18—.

I, \_\_\_\_\_, register of the land-office, do hereby certify that the above application is for the class of lands which the applicant is legally entitled to enter under the provisions of the first section of the timber-culture act of March 13, 1874; that there is

no prior valid adverse right to the same, and that the land therein described, together with the lands heretofore entered, under this act and the act of March 3, 1873, of which this is amendatory in the said section, does not exceed one-quarter thereof.

\_\_\_\_\_, *Register.*

B.

TIMBER-CULTURE ACT OF MARCH 13, 1874.

*Affidavit.*

LAND-OFFICE AT \_\_\_\_\_, \_\_\_\_\_, 18—.

I, \_\_\_\_\_, having filed my application, No. —, for an entry under the provisions of the first section of the act of Congress approved March 13, 1874, entitled "An act to amend an act entitled 'An act to encourage the growth of timber on western prairies,'" do solemnly \_\_\_\_\_ that I am the head of a family, [or over 21 years of age,] and a citizen of the United States, [or have declared my intention to become such;] that the section of land specified in my said application is composed exclusively of prairie lands naturally devoid of timber; that this entry is made for the cultivation of timber, and that I have not heretofore made an entry under this act, or the act of March 3, 1873, of which this is amendatory.

Sworn to and subscribed this — day of \_\_\_\_\_, 18—, before me,

\_\_\_\_\_,  
*Register (or Receiver) of the Land-Office.*

NOTE.—In case the applicant seeks to enter a fractional subdivision containing less than 40 acres, and shall have made one or more similar entries of such fractional subdivision, the last clause of the above affidavit will be modified accordingly.

C.

TIMBER-CULTURE HOMESTEAD.

*Final affidavit.*

[Act of March 13, 1874.]

I, \_\_\_\_\_, having made a homestead entry of the \_\_\_\_\_ of section \_\_\_\_\_, in township \_\_\_\_\_, of range \_\_\_\_\_, subject to entry at \_\_\_\_\_, under the homestead laws of the United States, do now apply to perfect my claim thereto by virtue of the provisions of the fourth section of the act of March 13, 1874, entitled "An act to amend the act entitled 'An act to encourage the growth of timber on western prairies,'" and for that purpose do solemnly \_\_\_\_\_ that I, \_\_\_\_\_, am a citizen of the United States; that I have made actual settlement upon and have cultivated the said land, having resided thereon continuously since the \_\_\_\_\_ day of \_\_\_\_\_, 18—, to the present time; that no part of said land has been alienated, but that I am the sole *bona-fide* owner as an actual settler; and that I will bear true allegiance to the Government of the United States; and I do further \_\_\_\_\_ that the above-described lands are prairie lands naturally devoid of timber, and that I have planted thereon, and had under cultivation for two years last past, \_\_\_\_\_ acres of [here describe varieties of timber] timber, of which the trees are not more than twelve feet apart each way, and that the same are in a good thrifty condition.

I, \_\_\_\_\_, \_\_\_\_\_ of the land-office at \_\_\_\_\_, do hereby certify that the above affidavit was taken and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 18—.

D.

TIMBER-CULTURE HOMESTEAD.

*Proof required under the homestead laws and the timber-culture act of March 13, 1874.*

We, \_\_\_\_\_, do solemnly \_\_\_\_\_ that we have known \_\_\_\_\_ for \_\_\_\_\_ years last past; that he is \_\_\_\_\_ consisting of \_\_\_\_\_ and \_\_\_\_\_ a citizen of the United States; that he is an inhabitant of the \_\_\_\_\_ of section No. \_\_\_\_\_, in township No. \_\_\_\_\_, of range No. \_\_\_\_\_, and that no other person resided upon the said land entitled to the right of homestead or pre-emption.

That the said \_\_\_\_\_ entered upon and made settlement on said land on the \_\_\_\_\_ day

of \_\_\_\_\_, 18—, and has built a house thereon \* \* \* \* \*  
 and has lived in the said house and made it his exclusive home from the \_\_\_\_\_ day of  
 \_\_\_\_\_, 18—, to the present time; and that he has, since said settlement, plowed,  
 fenced, and cultivated about \_\_\_\_\_ acres of said land, and has made the following im-  
 provements thereon, to wit: \* \* \* \* \*; and we do further swear that the above-  
 described lands are prairie lands, naturally devoid of timber, and that the said \_\_\_\_\_  
 \_\_\_\_\_ has planted thereon, and had under cultivation for two years last past, \_\_\_\_\_  
 acres of [*here describe varieties of timber*] timber, of which the trees are not more than  
 twelve feet apart each way, and that the same are in a good thrifty condition.

I, \_\_\_\_\_, do hereby certify that the above affidavit was taken and sub-  
 scribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 18—.

We certify that \_\_\_\_\_ and \_\_\_\_\_, whose names are subscribed to the  
 foregoing affidavit, are persons of respectability.

\_\_\_\_\_, Register.  
 \_\_\_\_\_, Receiver.

E.

TIMBER-CULTURE HOMESTEAD.

LAND-OFFICE AT \_\_\_\_\_, \_\_\_\_\_, 18—.

FINAL CERTIFICATE, }  
 No. \_\_\_\_\_ }

{ APPLICATION,  
 No. \_\_\_\_\_ }

It is hereby certified that, pursuant to the provisions of the homestead laws of the  
 United States and the act of March 13, 1874, entitled "An act to amend the act entitled  
 'An act to encourage the growth of timber on western prairies,'" \_\_\_\_\_ has  
 made payment in full for \_\_\_\_\_ of section No. \_\_\_\_\_, in township No. \_\_\_\_\_, of range No.  
 \_\_\_\_\_, containing \_\_\_\_\_ acres.

Now, therefore, be it known, that on presentation of this certificate to the Commis-  
 sioner of the General Land-Office the said \_\_\_\_\_ shall be entitled to a patent  
 for the tract of land above described.

\_\_\_\_\_, Register.

19.—TIMBER DEPREDATIONS.

The timber growing on the public lands, always in great demand for  
 supplying the wants of advancing settlements of the localities in which  
 it exists, as also for shipment elsewhere, requires active measures for  
 its protection beyond anything which has heretofore been provided. In  
 the absence of such measures, the timber in many localities is not cut  
 and removed to the extent needed to supply actual and speculative  
 requirements only, but great waste and useless destruction result from the  
 unrestrained and reckless pursuit of gain, and an entire lack of provident  
 care for the wants of the future. To remedy the mischief Congress passed  
 the act of March 2, 1831, which, by decision of the Supreme Court, makes  
 it an offense punishable with fine and imprisonment to cut or remove  
 timber from any of the public lands. Pursuant to this legislation, a  
 system of timber agencies, under the supervision at first of the Solicitor  
 of the Treasury, was established, with the concurrence of the then  
 Secretary of the Interior, for the special guardianship of the timber,  
 and with the view to give more complete effect to the purposes of said  
 act, which, however, was found objectionable in many respects, and in  
 1835 the system referred to was discontinued, the duty of acting as  
 timber agents was devolved upon the registers and receivers of the  
 several district land offices as a part of their general duties, and without  
 additional compensation, while this Office was charged with the super-  
 vision of their operations as such. When they find timber to have been  
 wrongfully cut on the public lands in their respective districts they are  
 instructed to seize and sell the same at public auction, depositing the

proceeds in the United States Treasury, and at the same time to report the case to the United States district attorney, with the necessary particulars for the prosecution of the offender under the penal act. Yet, in cases where the circumstances justify so doing, they are authorized to compromise with the party on his paying all expenses incurred and a reasonable stumpage for the timber, which they are to deposit in the Treasury. Thus the object is pursued of checking spoliation without actual cost to the Treasury, as the receipts from sales of timber seized and from stumpage paid are expected at least to balance the expenses incurred. To pay these expenses Congress has provided a small appropriation, as, under existing laws, the money received is required to be paid into the Treasury without abatement, and cannot be applied to the payment of expenses without a special appropriation therefor. Owing to the smallness of the appropriation, the operations of the timber agents are restricted within very narrow limits. I am of the opinion that no law will be found operative in fully preventing depredations on the valuable timber of the public domain; and for that reason I have elsewhere recommended the speedy offering and sale of such lands, believing that the greatest protection to the timber of the country, now rapidly decreasing, will be found in placing it under private guardianship.

#### 20.—KANSAS INDIAN LANDS.

In pursuance of the act of Congress of May 8, 1872, the lands owned by the Kansas tribe of Indians, in the State of Kansas, which, by the terms of the treaty with said Indians, proclaimed November 17, 1860, were to be sold for their benefit, were, with the improvements thereon, appraised under the supervision of the Office of Indian Affairs. The appraisal thus made was so high that neither settlers nor purchasers were able to pay the same. In view of this, the act of Congress of June 23, 1874, provides that the *bona fide* settlers on what are known as the "trust lands," who have been identified as such by the Office of Indian Affairs, may pay the appraised value of the land and improvements at the district land office at Topeka, Kans., in six equal installments, the first to be paid January 1, 1875, and the others annually thereafter, with interest at 6 per centum per annum, under such rules as the Commissioner of the General Land-Office may adopt; also, that the remainder of the trust lands, and the lands not heretofore disposed of on the "diminished reserve," shall be subject to entry at the Topeka land-office, by actual settlers, in tracts not exceeding 160 acres, unless a legal subdivision of a section shall be fractional and found to contain a greater number of acres, they being required to make payment of the appraised value of the land entered and occupied by each, one-fourth at the time the entry is made and the remainder in three annual payments, with interest at 6 per centum per annum; also, that the lands not taken within twelve months after the passage of the act may be sold in amounts not exceeding 160 acres, to any one person, at the appraised price. This Office has prepared rules and regulations as contemplated under the said act, which have been addressed to the district land officers at Topeka, Kans., for their government in carrying its provisions into effect.

By another act, approved the same day, it is provided that those persons who by the provisions of the second section of the act entitled "An act to abolish the tribal relations of the Miami Indians, and for other purposes," approved March 3, 1873, are entitled to purchase for cash the lands occupied by them, at the appraised value thereof, be per-



mitted to make payment for said lands at the land office at Topeka, Kans., under such rules and regulations as may be prescribed by the Secretary of the Interior, in three equal installments, the first payable on or before the 30th of October, 1874, and the other two annually thereafter, with interest at 6 per centum per annum from October 30, 1874.

The same act provides with reference to the New York Indian lands that those persons who, by the act of February 19, 1873, are entitled to purchase for cash the lands in that act set forth, be permitted to make payment for the same at the land office at Independence, Kans., under such rules and regulations as the Secretary of the Interior may prescribe, in two equal installments, the first installment payable on or before the 30th of September, 1875, and the other in one year thereafter, with interest at 6 per centum per annum, a proviso being added that this act shall only apply to actual settlers on the lands so purchased.

The proper instructions have been issued to the district land officers for giving effect to these provisions.

#### 21.—INDIAN HOMESTEADS.

The question of the right of individual Indians who had voluntarily dissolved their tribal relations to make entries upon the public lands under the homestead law having been brought to the attention of the Department in 1870, the then Secretary of the Interior addressed the following letter to this Office, viz :

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., February 11, 1870.*

SIR: I have considered your letter of the 4th ultimo in relation to the right of certain Indians of Wisconsin to enter public lands under the homestead law. After carefully considering the question involved, I conclude that, in the absence of more explicit legislation on the subject, an Indian, if otherwise qualified, is entitled to the benefits of the homestead law if he has voluntarily dissolved all connection with his tribe, so that by reason thereof he can no longer lawfully share in the annuities, exemptions, or privileges secured to it by acts of Congress or treaty stipulations. He is not, however, so entitled if he is in full relation with the tribe and enjoys such privileges, exemptions, or annuities. He certainly cannot be a citizen of the United States and at the same time a member of a tribe, or of, in the language of Chief Justice Marshall, "a domestic dependent nation," with whom we have recognized treaty stipulations.

He can only exercise the rights and assume the obligations of a citizen when his tribal relations have been permanently and wholly dissolved.

You will prepare and submit for my consideration rules and regulations for the government of the local officers in the premises.

Very respectfully, your obedient servant,

J. D. COX, *Secretary.*

The COMMISSIONER OF THE GENERAL LAND OFFICE.

Pursuant to the above departmental directions, the following circular-letter of instructions was transmitted to the registers and receivers of all United States land-offices:

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
*April 1, 1870.*

GENTLEMEN: The honorable Secretary of the Interior, under date of February 11, 1870, has rendered a decision which, on the one hand, recognizes the right to the benefits of the homestead laws of otherwise qualified Indians who have voluntarily dissolved all connection with their tribes, (so that by reason thereof they can no longer share in the annuities, exemptions, or privileges secured to them by acts of Congress or treaty stipulations;) while, on the other hand, this privilege is denied to those in full relations with their tribes, and enjoying all the benefits accruing therefrom.

With the view, therefore, of giving this decision effect, you will, should an Indian apply to enter lands under the provisions of the homestead law, require him, in addition to the regular homestead affidavit, to swear and subscribe to the inclosed form "A'

of affidavit, supporting the same by the form "B" of testimony, and report the cases with these additional papers in your monthly homestead returns in their regular order.

Be pleased to acknowledge the receipt of this circular letter.

Very respectfully,

JOS. S. WILSON,  
Commissioner.

REGISTER AND RECEIVER UNITED STATES LAND-OFFICE AT \_\_\_\_\_.

A.

I, \_\_\_\_\_, formerly of the \_\_\_\_\_ tribe of Indians, do solemnly swear that I have voluntarily dissolved all connection with that tribe, and that it is *bona fide* my intention to forego all claim to or share in any of its annuities or benefits, and in good faith to perform the duties of a citizen of the United States.

B.

I (or we) (name or names) do solemnly swear that, to the best of \_\_\_\_\_ knowledge and belief, (name of Indian,) formerly of the (name of tribe) tribe of Indians, has dissolved all connection with said tribe, and does not claim or share any of the annuities or benefits inuring to said tribe of Indians by treaty or otherwise, but is performing all such duties as pertain to a citizen of the United States.

\_\_\_\_\_  
(Witness.)

\_\_\_\_\_  
\_\_\_\_\_  
(Signatures.)

Sworn and subscribed to before me this \_\_\_\_\_ day of \_\_\_\_\_, 18 \_\_\_\_\_.

\_\_\_\_\_  
(Register or Receiver.)

The question having been again presented to the Department as to whether, in the absence of congressional legislation or treaty provision specifically authorizing it, an Indian can, by mere act of voluntarily abandoning his tribal relations and ceasing to claim or exercise any of the special privileges, immunities, or exemptions incident to such a political condition, and by adopting the habits and customs of civilized life, without further action on his part, become a citizen of the United States, it was held "that an Indian cannot voluntarily absolve his relations with his tribe and thereby become a citizen of the United States. The tribal relation must be dissolved by the tribe *as a tribe*, and that, too, with the consent of the United States, as shown by treaty or act of Congress, before citizenship is created."

Accordingly such entries as were made under the circular of April 1, 1870, have been held for cancellation, and the duty of this Office is clearly to revoke the circular above mentioned, unless Congress adopt the legislation recommended in my letter to the Secretary of the Interior, transmitting an abstract of this report, and to which reference is made.

## 22.—OPERATIONS UNDER THE MINING LAWS.

Since the date of the 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 June 6, 1874:

AN ACT to amend 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.

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 require 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 first day of January, eighteen hundred and seventy-five.

By this legislation the requirements of the fifth section of the mining act of May 10, 1872, and the amendatory act of March 1, 1873, are changed by extending the time for the first annual expenditure upon claims located *prior to May 10, 1872*, to the 1st day of January, 1875.

The requirements in regard to expenditures upon claims located *since May 10, 1872*, are in no way changed by the above amendatory act.

The Eureka Mining Company of Utah made applications for patents for the Eureka and Montana Lodes, Tintic mining district, Utah, under the mining act of May 10, 1872, (17 Stat., 91;) against these applications several adverse claims were filed.

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

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,  
Washington, D. C., March 26, 1873.

GENTLEMEN: On the 21st August, 1872, the Eureka Mining Company of Utah filed in your office applications for patents for the Eureka and Montana Lodes, situate in Tintic mining district, Juab County, Utah. In each of these cases the applicants have filed proof of compliance with the mining law and the instructions from this Office.

The following adverse claims were filed against the application for patent for the Montana Lode, viz:

1st. Peter Roberts *et al.* filed an adverse claim on the 4th October, 1872, and withdrew the same on the 23d November, 1872.

2d. E. M. Peck *et al.* caused to be handed to the register, at his house, on the 22d October, at 11.30 p. m., an adverse claim to said application for patent, which was by the register placed on file in his office on the morning of October 23, 1872.

This adverse claim is accompanied by a plat and field-notes of survey of the Excelsior Lode, claimed by Peck *et al.*

The attorney for said adverse claimants, however, alleges under oath that said plat and field-notes do not properly locate or describe the premises owned by said adverse claimants.

The sixth section of the mining act of May 10, 1872, declares that "if no adverse claim shall have been filed with the register and the receiver of the proper land-office at the expiration of the sixty days of publication, it shall be assumed that the applicant is entitled to a patent, upon the payment to the proper officer of five dollars per acre, and that no adverse claim exists, and thereafter no objection from third parties to the issuance of a patent shall be heard," &c.

In each of the cases referred to, viz, the Eureka and Montana Lodes, the notice of intention to apply for a patent was first published in the Weekly Tribune, bearing date Saturday, August 24, 1872, although in fact the paper was issued and put in circulation on Friday, August 23, 1872, and by the affidavits of the book-keeper and agent of the Tribune Publishing Association it appears that the Weekly Tribune "is printed, published, and issued from the office on Friday of each week."

This Office is of the opinion that, in computing the time for the sixty days' publication required by law, the date of the paper as given thereon should govern.

Under the rule adopted by my predecessor, and which has been followed in all cases of this class decided since the act of July 26, 1866, went into effect, the day of publication of notice has been included in the computation of time.

Although I have some doubt as to the correctness of this rule, I do not feel disposed to depart from it, unless it should be reversed by the head of the Department, and therefore decide that the adverse claim asserted by said E. M. Peck *et al.* was not filed within the sixty days' publication required by law, and the same is accordingly rejected.

In case of the application for patent for the Eureka Lode, the following adverse claims were filed, viz:

1st. Peter Roberts *et al.* filed an adverse claim to said application for patent on the 22d October, 1872, and withdrew the same on the 23d November, 1872.

2d. O. D. Strong *et al.* caused to be handed to the register, at his house, on the 22d October, 1872, at 11.30 p. m., an adverse claim to said application for patent, which by the register was placed on file in his office on the morning of October 23, 1872.

This adverse claim is not made out in the manner prescribed by law and by the instructions from this Office.

No plat or field-notes of survey of the May Henrietta Lode is on file, showing the "nature, extent, and boundaries" of the premises claimed by Strong *et al.* No abstract of title has been filed to show the record title to the May Henrietta Lode to be in the adverse claimants.

This adverse claim was not filed within the sixty days' publication required by law, and is therefore rejected.

3d. The adverse claim of Aspinwall & Page was filed in the same manner and at the same time as the last-named adverse claim.

This adverse claim is also irregular; no plat or field-notes of survey of the King David Lode has been filed, showing the "nature, extent, and boundaries" of the premises claimed by said Aspinwall & Page.

No abstract of title has been filed showing the record title to said King David Lode to be in said adverse claimants.

This adverse claim was not filed within the period of time prescribed by law, and is accordingly rejected.

4th. The Jenny Lind Mining Company caused to be handed to the register, at his house, on the 22d of October, 1872, at 11.10 p. m., an adverse claim to said application for patent, which by the register was placed on file in his office on the morning of the 23d October, 1872.

This adverse claim is, in the main, made out in the form prescribed by law and by the instructions from this Office, although no abstract of title is on file from the office of the proper recorder tracing the title from the original locators to the Jenny Lind Mining Company.

This adverse claim was not filed within the time prescribed by law, and cannot operate as a bar to the issuance of a patent as applied for; and the same is rejected.

The only adverse claims filed within the time required by law are those of Peter Roberts *et al.*, and both of these have been withdrawn.

You will inform all parties in interest that the adverse claim of E. M. Peck *et al.* to the application for patent for the Montana Lode, is rejected; also the adverse claims of O. D. Strong *et al.*, Aspinwall & Page, and the Jenny Lind Mining Company, to the application for patent for the Eureka Lode; and that sixty days from the date of your notification to them will be allowed within which an appeal may be taken to the honorable Secretary of the Interior.

Should no appeal be taken within the time prescribed, you will allow the applications for patents for said Eureka and Montana Lodes to proceed.

Should an appeal be taken, you will not allow the entries until the cases have been finally determined by the appellate authority.

Be pleased to acknowledge the receipt.

Very respectfully,

WILLIS DRUMMOND,  
*Commissioner.*

REGISTER and RECEIVER, Salt Lake City, Utah.

An appeal having been taken from this decision to the honorable Secretary of the Interior, that officer referred all the papers in the case to the Assistant Attorney General for an expression of his views upon the questions involved.

The opinion of the Assistant Attorney General and the decision of the honorable Secretary of the Interior are given below:

DEPARTMENT OF JUSTICE,  
OFFICE OF ASSISTANT ATTORNEY GENERAL,  
Washington, D. C., September 30, 1873.

SIR: I have considered the appeal of the Jenny Lind Mining Company and others, adverse claimants in the matter of the application of the Eureka Mining Company for a patent for the Eureka and Montana lodes, situated in Tintic mining-district, Juab County, Utah.

The Eureka Company filed their application on the 21st of August, 1872, under the act of May 10, 1872; and on the 24th of August, 1872, the register gave notice of such application by publication in the Weekly Tribune of that date, which was continued for sixty days.

The Jenny Lind Company and the other adverse claimants, now contesting, filed their adverse claims with the register of the proper land-office. These filings severally bear date October 22, 1872, at 11.30 o'clock p. m. It is contended by the Eureka Company that, as a matter of fact, said adverse claims were left with the register on the 22d of October, 1872, at 11.30 p. m., at his house, which was distant about a quarter of a mile from the land-office, and were not filed in the office of the register until the 23d of October, 1872; and that such filings in the office on the 23d were too late, the sixty days of publication having expired on the 22d. It is also contended by the Eureka Company that the adverse claims, or some of them, were not prepared with the necessary formality, and did not contain proper plats of survey or abstracts of title, and were otherwise defective.

The Commissioner of the General Land-Office held that the adverse claims were filed one day too late; and therefore he rejected them.

I shall first consider the question whether the filing was too late, upon the assumption that it was not made until the 23d October, 1872.

The sixth section of the act of May 10, 1872, (17 Stats., 93,) provides that an applicant for a patent for mineral lands shall file in the proper land-office an application under oath, with a plat, &c.,; and that "the register of the land-office, upon the filing of such application, plat, field-notes, notices, and affidavits, shall publish a notice that such application has been made, for the period of sixty days, in a newspaper to be by him designated, as published nearest to said claim, and he shall also post such notice in his office for the same period."

The seventh section provides, "That where an adverse claim shall have been filed during the period of publication, it shall be upon oath of the person or persons making the same, and shall show the nature, boundaries, and extent of such adverse claim, and all proceedings, except the publication of notice and making and filing of the affidavit thereof, shall be stayed until the controversy shall have been settled or decided by a court of competent jurisdiction, or the adverse claim waived."

From the foregoing express provision of law it appears that the time of publication is "for the period of sixty days," and that the adverse claim must be filed "during the period of publication"—that is, during "the period of sixty days."

When does this "period of sixty days" commence, and when terminate? Does it include or exclude the first day of publication? If it includes it, then upon the assumption that the adverse claims were not filed until the 23d October, they were filed one day too late. On the other hand, if it excludes it, then the filings were in time.

The inquiry presented is one which has been a vexed question for centuries, and has been decided differently by the ablest courts in this country and in England. It has been appropriately termed the *controversia controversissima*, (Griffith vs. Bogert, 18 How., 162.) I shall not attempt to review the cases, for the reason that my official duties are such as not to allow the necessary time. I have carefully examined them, and from such examination am of opinion that the first day of publication should be excluded. When a computation of time is to commence from an act done, the day on which the act is done is to be excluded.

In support of this view, I cite the following authorities: 4 Kent, 103, (note,) 11 ed.; 2 Parsons' Cont's, 663, (note;) Pope vs. Headen, 5 Ala., 433; Lyon vs. Hunt, 11 do., 295; Lang vs. Phillips, 27 do., 311; Kim vs. Osgood, 19 Miss., 60; 25th do., 48; Bigelow vs. Wilson, 1 Pick., 485; State vs. Schwerle, 5 Pick., 279; Wiggins vs. Peters, 1 Met., 127; Farwell vs. Rogers, 4 Cush., 460; Weeks vs. Hull, 19 Conn., 376; Carleton vs. Bying, 16 Iowa, 588; Caruthers vs. Wheeler, 1 Oregon, 194; Judd vs. Fulton, 10 Bart., 117; Russell vs. Russell, 11 do., 96; Cornell vs. Moulton, 3 Denio, 12; Barr vs. Lewis, 6 Texas, 76; State vs. Gascon, 33 Miss., 102; Conn vs. Warner, 1 Houston, (Del.) 88; Gorham vs. Wing, 10 Mich., 486; Sheets vs. Selden, 2 Wall. 177; Page vs. Weymouth, 47 Maine, 238; Walsh vs. Boyle, 30 Maryland, 262; Thorne vs. Mosher, New Jersey Eq., 257; Rex vs. Cumberland, 4 How. & M., 378; Gont vs. Edwards, 11 Sim., 434; Wilkinson vs. Gaston, 9 Queen's Bench, 141.

The cases also establish the proposition that when there is a doubt as to whether the day on which an act is done should be included or excluded, that construction should be adopted which will support a contract or deed, rather than that which would destroy it; that which will prevent a forfeiture rather than that which would create one; and in cases of statutory enactment, that which will be most favorable to the party for whose benefit the statute was enacted.

In the case under consideration the provision that there should be a publication of sixty days, was made for the benefit of adverse claimants, and for the purpose of giving them an opportunity to assert their adverse claims; and in cases of doubt as to whether the first day of publication should be included or excluded, that doubt should, in my opinion, be decided in favor of the adverse claimants.

I have proceeded thus far upon the assumption that the adverse claims, in the case now under consideration, were not filed until the 23d of October, and upon such assumption I think they were filed in time.

There is another view that may be taken of this case which leads to the same conclusion. These adverse claims all bear an official indorsement that they were filed on the 22d of October, 1872, at 11.30 p. m. Such indorsement is *prima facie* evidence that they were filed in the proper office at that date; and this legal presumption, if removed at all, must be removed by competent evidence. The only proof that has been offered to rebut this presumption and show that there was no filing in the land office until the 23d of October, is an unsworn certificate of the register, made in Washington City on the 1st of March, 1873, in which he states that the adverse claims were left at his house at 11.30 p. m., October 22, and on the next day taken to the land office and marked filed as of the 22d, at 11.30 p. m.

I am of opinion that this is incompetent evidence; that the official act of a sworn

officer cannot be contradicted or explained by an unsworn statement like this, made long after the *res gesta*.

I think the adverse claims were filed in time, and that the Commissioner erred in rejecting them on the ground that they were not so filed.

The Commissioner mentions the fact that some of the adverse claims were irregular in not being accompanied with a plat of survey and field-notes. It is pretty satisfactorily shown in the evidence that the protestants made use of reasonable means to procure such survey and field-notes, and that they were prevented from so doing by the act of the Eureka Company in obtaining control of the United States deputy surveyors, and thereby preventing them from making the surveys for adverse claimants. To allow that company to exclude the adverse claims for that reason, would be to permit it to take advantage of its own wrongful act. The regulations issued by the Commissioner, it is true, require that there shall be such a plat and field-notes; but they do not have the force of law, and were never intended to operate as a bar where an applicant in good faith has done all that was in his power to comply with them.

And so with reference to the abstract of title. It is convenient to have such abstract, for the purpose of showing how the claimants derive title; and therefore the adoption of the rule by the Commissioner.

If the adverse claimants properly *allege* that they are the *owners* of the claim, that is good pleading, and sufficient to notify the applicant for patent of what is claimed.

I think an omission to file the abstract should be treated as an irregularity only, and not as a defect that vitiates the adverse claim. No one is injured by the omission, and it would be extremely technical to treat it as good cause for rejecting the claim.

I have now noticed all the objections mentioned by the Commissioner. Some others have been urged on the argument on appeal.

It is objected that the affidavit to the adverse claim of the Jenny Lind Company was made by W. J. Hooper, as president of the company, and that there is no sufficient evidence that he was president. It is claimed that the best evidence would be a certified copy from the record, showing his election.

Hooper states, in the adverse claim, that he is the president of the company, and swears to that statement. That is, I think, sufficient.

It is further objected that there is no sufficient evidence that W. M. Gillespie, before whom Hooper made the affidavit, was a notary public, or had authority to administer oaths. The certificate of Gillespie is under his official seal as notary public. That is sufficient evidence of his being notary. The power to administer oaths is given to notaries public, in any State or Territory, by the act of Congress of September 16, 1850. (9 Stats., 458.)

It is also objected that one of the affidavits on file purports to have been made before a person as justice of the peace, and that there is no evidence that such person was a justice of the peace, except his own signature as such justice.

It is the constant practice in the Land-Office to receive and consider affidavits made before persons professing to act as justices of the peace without other evidence of their authority; and it would take those who practice in that office by surprise to enforce the rule that such affidavits could not be considered without proof of the official character of the persons before whom they are taken, and who profess to be justices of the peace. I think the objection altogether too technical, and that it should be overruled.

It is further objected that, in certain of the adverse claims, there is not sufficient evidence that suits have been brought on such claims within thirty days from the time of filing them with the register.

It appears from the certificate of the clerk of the court that the persons who brought the suit and are alleged to compose the unincorporated company, are not the persons who originally located the claim, and therefore it is said the company is not the one which filed the adverse claim.

Mining claims are constantly changing owners. They are often assigned after location and before patent. The members who own the stock at the time suit is brought are the proper parties plaintiff, and it does not follow that the company is not the same because the stock-holders are different. They allege that they compose the company, and that, I think, is sufficient. They are not, and should not be, required to prove that they are the original locators, or that they are the identical persons who presented the adverse claim.

Some other objections are made, which present the question whether the adverse claimants are required to show, affirmatively, that they have complied with all the local usages and customs. I think they are not. If they have failed to comply with such usages, and a forfeiture is denounced for such failure, that is matter of defense.

There is still another objection of more gravity than some I have mentioned, and that is this: it is argued that all these adverse claims were improperly filed, because they were filed with the register only, when they should have been filed with the register *and* receiver.

The sixth section of the act requires that the application for patent shall be filed "in the proper land office;" that the applicant shall post a notice of such application on

the land, and file a copy of the notice "in such land-office;" that the register of the land-office "shall publish such notice for the period of sixty days," and post it "in his office" for the same period; that the claimant shall file "with the register" a certificate of the United States surveyor that \$500 worth of labor has been expended; that at the expiration of the sixty days of publication the claimant shall "file his affidavit," without saying where, but manifestly with the register, showing that the plat and notice have been posted in a conspicuous place on the claim during the period of publication, and then it proceeds that "if no adverse claim shall have been filed *with the register and receiver of the proper land-office*, at the expiration of the sixty days of publication, it shall be assumed that the applicant is entitled to a patent," &c.

The Commissioner, in his regulations issued under this act, required that the adverse claim should be filed with the register, or, in his absence, with the receiver. Of course the Commissioner cannot make the law, and if he has made a regulation that is in conflict with it, the regulation must fall.

Is there such conflict? Did Congress intend that these claims should be filed with both officers, or that the adverse claims should be in duplicate?

It was a fact well known to Congress, that the offices of register and receiver are kept together, and are one and the same office. This is almost universally the case. All the records of the office are in the custody of the register. The receiver has but little to do with them. He receives the money and gives a receipt therefor, and that is the main part of his duties. A filing in the office of the register with him, is in substance a filing with the receiver. I cannot believe that Congress intended that the same document should be taken to the register and receiver, and marked filed by each of them; or that two copies should be filed, one with the register, and the other with the receiver. That would be to require a useless thing, which should never be presumed.

I prefer to hold that a filing with the register was a filing with the register and receiver, within the spirit and meaning of this act.

After the most careful consideration that I have been able to give this case, I am of opinion that the decision of the Commissioner was erroneous, and I advise that it be reversed.

Very respectfully, your obedient servant,

W. H. SMITH,  
*Assistant Attorney General.*

Hon. C. DELANO,  
*Secretary Interior.*

DEPARTMENT OF JUSTICE,  
OFFICE OF THE ASSISTANT ATTORNEY GENERAL,  
*Washington, D. C., November 22, 1873.*

SIR: In the case of the Jenny Lind Mining Company and other adverse claimants against the Eureka Mining Company, before you on appeal from the decision of the Commissioner of the General Land-Office, in accordance with your request I had the honor to give my opinion upon the merits of the case, on the 30th of September last. Since then other points have been made by counsel for the Eureka Company; and, at your like request, I will proceed to state my views upon them.

The Eureka Company objects to each of the following adverse claims, to wit, the May Henrietta Lode, the Excelsior Lode, and the King David Lode, for the reason that they were severally sworn to by D. Cooper, as attorney, instead of by the persons, or some of them, who are alleged to be the owners thereof. The parties owning these lodes are unincorporated companies.

The seventh section of the act of May 10, 1872, provides: "That where an adverse claim shall be filed during the period of publication, it shall be upon the oath of the *person or persons* making the same."

It does not provide that it may be upon the oath of an agent or attorney. Without statutory authority an attorney cannot make the oath for his client.

I find myself obliged to advise that the above-named adverse claims were not properly verified, and for that reason should be rejected.

It is further objected by the Eureka Company that the protest and adverse claim of the Jenny Lind Company was sworn to by but one (W. G. Hooper) where it should have been sworn to by all the persons composing the company.

In my opinion the statute is complied with when any one of the persons asserting an adverse claim makes affidavit to the same. Such person is the representative of all.

It is well known that mining claims are often owned by many persons living at a great distance from the mine. To require each owner to appear in the land district where the mine is located and make affidavit before an officer authorized to administer oaths in that district, (as must be done under the law,) and that too within the sixty days of publication, would be an unnecessarily harsh administration of the law, and would in many cases practically nullify the right of presenting an adverse claim. As, in legal proceedings, one plaintiff or defendant may make jurat for his co-plaintiffs or defendants, so, I think, one adverse claimant may make it for all his co-claimants.

It is further objected by the Eureka Company that the adverse claim of the Jenny Lind Company is defective in this, that it alleges ownership, by location, of the South Extension of the Bullion Lode, the Queen Victoria Lode, and the Pride of the West Second Lode, while the record of locations shows that they were made by persons some of whom were not members of the Jenny Lind Company, and that there is no allegation or proof that such persons have ever assigned or conveyed their interest to the company, and therefore, it is urged, the adverse claim does not "show" its "nature," as required by the seventh section of the act.

I suppose that the provisions of law relating to adverse claims should receive a reasonable interpretation. They were made to be construed by local land-officers, many of whom have never had a legal education, and they should be construed as men of good, practical common sense would be expected to construe them. It was never intended by the law-makers that such a claim should be construed with the technical precision that a lawyer would be justified in applying to an indictment.

It was intended that the instrument should be so drafted as to inform a person of good sense that a portion of the mining claim which he was seeking to obtain a patent for did not belong to him, but did belong to the protestant; and it was intended that this should be done with such precision as to fairly advise him of the "nature, boundaries, and extent" of the adverse claim, so that he might prepare himself to establish, on the trial before the courts, his own and defeat the adverse claim.

I think the adverse claim of the Jenny Lind Company does furnish such information to the Eureka Company. It gives the boundaries and extent of its claim with such precision that no objection is made on that account. The objection relates to the "nature" of the claim. It alleges that it is "the lawful owner and entitled to the possession of about eleven hundred feet of the said Eureka Lode;" that it "is the owner by location of the persons composing said association, and in possession of the following-named lodes or veins of quartz and other rock in place bearing silver and other metals, viz: The South Extension of the Bullion Lode, the Queen Victoria Lode, and the Pride of the West Second Lode, situated, located, and recorded in the Tintic mining district, Juab County, Utah Territory;" that "on the 17th day of March, A. D. 1871, the several premises hereinafter described were mineral lands of the public domain, and each contained a vein or lode of quartz and other rock in place bearing and containing silver and other minerals; and said premises were entirely vacant and unoccupied, and were not owned, held, or claimed by any person or party as mining claims or otherwise; and that while the same were so vacant, unoccupied, and unclaimed, the persons (see Exhibit B) forming the association known as the Jenny Lind Mining Company, each and all being citizens of the United States at the time, did enter upon and explore and discover the South Extension of the Bullion, containing three thousand (3,000) feet linear measurement, which was located March 20, and recorded April 10, 1871; the Queen Victoria Lode, containing two thousand (2,000) feet linear measurement, located March 17, and recorded March 18, 1871, and the Pride of the West Second Lode, containing sixteen hundred (1,600) feet linear measurement, located June 21, 1871, and recorded September 19, 1871.

"That the said Jenny Lind Company and the persons composing the same have continuously held and occupied and been in the actual possession of the said mining premises and lodes since the date of location of the same, with the knowledge of the Eureka Company and its agents, and without any opposition whatever from it," (Eureka Company.) "That the locators of said lodes and the Jenny Lind Mining Company, respectively, have in all respects complied with every custom, rule, regulation, and requirement of the mining laws of said mining district, and thereby became and are owners (except as against the paramount title of the United States) and the rightful possessors of said mining claims and locations;" and that "the vice-president of the Eureka Company, at the time of his filing the application therefor, well knew that the Jenny Lind Mining Company was the owner in possession and entitled to the possession of so much of said mining ground embraced within the survey and plat of said applicant as is hereinbefore stated; and the said Jenny Lind Mining Company is entitled to all the silver and other metals in said Southern Extension of the Bullion Lode, the Queen Victoria, and Pride of the West Second Lodes."

It further appears from the statements of said adverse claim that the Eureka Company, on the 10th day of October, 1872, entered into a written contract, which was proffered to the Jenny Lind Company, but never executed by it, in which the Eureka offered to convey to the Jenny Lind, when patent should be issued to it, the said Bullion, Queen Victoria, and Pride of the West Lodes, in consideration that the Jenny Lind Company would refrain from filing an adverse claim to the application of the Eureka Company for patent.

The said writing contains the following, (among other things:) "And whereas said party of the first part (the Eureka Company) has no claim to any part of said Queen Victoria, Pride of the West, and Bullion Locations, their dips, angles, and spurs."

The above are the allegations of the adverse claim. I think they fairly inform the applicant for patent of its nature.



They state that the Jenny Lind Company is the owner of said Bullion and other lodes by location. It is true that some of the exhibits show that the persons who organized the Jenny Lind Company were not identical with some of the locators of said lodes.

But what of that? Suppose the adverse claim had alleged ownership by location, and the exhibits had shown ownership by purchase. The claim would undoubtedly have been good. The material thing is *ownership*, in accordance with the rules and regulations of miners. All that is alleged; and it is also alleged that the Eureka had full knowledge of the ownership and possession, and never asserted any claim to the contrary.

The statement in the written agreement goes further and admits that said company had no claim to any part of the said lodes of the Jenny Lind Company. It is claimed that this admission should not be regarded in the case, because it was made pending a treaty of compromise.

Grant it; yet it is the admission of a fact made without any stipulation that it should be without prejudice; and, according to the American Cases, is receivable as an admission against the Eureka Company. (*Mount vs. Bogert, Anthon, 190; Maney vs. Carter, 4 Conn., 635; Fuller vs. Hampton, 5 Conn., 416; Sanborn vs. Neilson, 4 N. H., 501; Delokey vs. Rentoul, 1 Martin, 175; Marvin vs. Richmond, 3 Den., 58; Cole vs. Cole, 34 Maine, 542.*)

Now, taking all these allegations as true, (which must be done in determining the sufficiency of this adverse claim,) and I do not see how it can be claimed that the Eureka Company is not sufficiently informed of the *nature* of the claim.

I think it was so informed, and I advise that so much of the Commissioner's decision as rejected the Jenny Lind Mining Company's adverse claim be reversed; and so much as rejected the other adverse claims be affirmed.

Very respectfully,

W. H. SMITH,  
*Assistant Attorney General.*

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

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., November 24, 1873.*

SIR: I have carefully examined the case of the Eureka Mining Company *vs.* The Jenny Lind Mining Company *et al.*, on appeal from your decision of the 26th day of March, 1873. I caused the same to be referred to Assistant Attorney-General Smith for an expression of his views upon the questions involved, and have received from him two opinions, one of which is dated September 30 ultimo, and the other the 22d instant, copies of which you will find inclosed.

I concur with him in the conclusions to which he has arrived, and in accordance therewith hold—

1st. That in estimating the sixty days of publication required by the act of May 10, 1872, the first day of publication should be excluded and the last included;

2d. That the jurat to the adverse claim required by the seventh section of said act must be made by the party, and cannot be made by an attorney;

3d. That where several persons unite in an adverse claim, the jurat is sufficient if made by one of such persons;

4th. That the filing of an adverse claim with the register is a sufficient filing under said act; and

5th. That the adverse claim of the Jenny Lind Mining Company does sufficiently set forth the "nature" of said claim.

I affirm so much of your decision as rejects the adverse claims of the May Henrietta Lode, the Excelsior Lode, and the King David Lode, and reverse so much as rejects the adverse claim of the Jenny Lind Mining Company.

I return herewith the papers transmitted with your letter of the 2d of June last.

Very respectfully,

C. DELANO,  
*Secretary.*

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

The Dardanelles Mining Company made application for patent for the Bosphorus Lode, Nevada. Against this application for patent the California Silver Mining Company filed an adverse claim. The following is the decision of this Office upon the points in the case:

DEPARTMENT OF THE INTERIOR,  
*General Land Office, March 7, 1873.*

GENTLEMEN: Upon examination of the papers transmitted with your letter of the 24th January last, I find that on the 22d October, 1872, the Dardanelles Mining Com-

pany filed in your office an application for patent for 1,200 linear feet of the Bosphorus Lode, with surface ground 400 feet in width, situate in Gold Hill mining district, Storey County, Nevada.

On the 20th day of December, and before the expiration of the sixty days' publication required by law, the California Silver Mining Company, by its president, A. K. P. Harmon, filed a protest against the issuance of patent for the premises described in said application.

This protest was sworn to by Mr. Harmon before "P. O. Wegener, notary public and commissioner of deeds for the State of Nevada in the city and county of San Francisco, Cal."

The seventh section of the mining act of May 10, 1872, requires "That, where an adverse claim shall be filed during the period of publication, it shall be upon oath of the person or persons making the same," &c.; and the thirteenth section of the same act declares "that all affidavits required to be made under this act, or the act of which it is amendatory, may be verified before any officer authorized to administer oaths within the land district where the claims may be situated," &c.

By the foregoing it will be seen that the law requires that an adverse claim should be sworn to before some officer authorized to administer oaths *within the land district where the claims may be situated.*

In the case under consideration this provision of the law was disregarded, and the papers constituting the adverse claim were sworn to, *not in the Carson City land district, but in the city of San Francisco, Cal.*

It seems to be the letter and the spirit of the law to bring parties who desire to assert an adverse claim to an application for patent under the act of May 10, 1872, *within the jurisdiction of the courts where the claim is situate.*

In view of these facts you will inform all parties in interest that the adverse claim of the California Silver Mining Company is rejected.

You will allow sixty days from the date of your notification in which an appeal may be taken to the honorable Secretary of the Interior. Should no appeal be taken within the time prescribed, you will allow the applicants for patent to complete their proceedings.

In case an appeal should be taken from this decision, you will not allow the applicants to complete their proceedings until the matter shall have been reviewed by the appellate authority.

Be pleased to acknowledge the receipt hereof.

Very respectfully, your obedient servant,

WILLIS DRUMMOND,  
*Commissioner.*

REGISTER AND RECEIVER,  
*Carson City, Nevada.*

This decision was affirmed by the honorable Secretary of the Interior. The following is the decision of the honorable Secretary of the Interior in case of the application for patent for the Bell Weather Lode, Colorado :

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., April 30, 1874.*

SIR: I have considered the appeal of John H. McMurdy *et al.*, adverse claimants, from your decision of October 29, 1873, in the matter of the application of Eli S. Streeter and Thomas McCunniff for patent to 600 linear feet of the Bell Weather Lode, Central City land district, Colorado.

You dismissed the adverse claim of McMurdy *et al.* on the ground that the protest filed was not sworn to before an officer authorized to administer oaths in the land district where the claim is situated, following herein the rule laid down in the recent case of the Dardanelles Mining Company *vs.* The California Silver Mining Company, decided by the Department October 28, 1873. Your decision is to this extent correct, and is hereby affirmed.

It is asserted, however, upon appeal, that the claimants have not complied with the requirements of the act of June 10, 1872, in the prosecution of their claim, and that, notwithstanding their (contestant's) default, they are entitled to show such non-compliance, and thereby defeat the claim of the applicants for a patent under the present proceedings.

The right here contended for is expressly given by the last clause to the sixth section of the act of June 10, 1872, (under which act all the proceedings in this case were instituted,) which is in the following words, viz: "And thereafter no objection from third parties to the issuance of a patent shall be heard *except it be shown that the applicant has failed to comply with this act.*" The contestants are therefore to be considered as parties to the contest for the purpose of showing from the record that the claimants have not complied with the requirements of the act.

For the purposes of this case it is only necessary to notice one of the objections raised by the appellants, viz, that the publication of the notice of application was not made in compliance with the terms of the act.

The publication was made in a weekly paper, The Colorado Miner, for nine successive weeks, nine insertions, the first being in the issue dated February 6, 1873, and the last in the issue dated April 3, 1873. Was this a publication "for the period of sixty days? I think not. The language of the act is plain. "The register of the land office shall publish a notice that such application has been made for the period of sixty days in a newspaper to be by him designated," &c. It does not direct a publication once a week for eight weeks or two months, but for a certain period, viz, sixty days. The publication may undoubtedly be made in a paper published weekly, but it must cover the full period named. The time elapsing between the first and the last insertions must include the full period of sixty days. From the 6th of February, 1873, to the 3d day of April, 1873, including the first day of publication (which I think should be excluded,) there were only fifty-seven days, viz, in February twenty-three; in March, thirty-one; and in April, three; total, fifty-seven. This was clearly not a publication "for the period of sixty days."

The statute having in this material requirement been disregarded, the publication as made, and all subsequent proceedings founded upon it, were irregular and invalid, I, therefore, reverse your decision so far as it affirms the regularity and validity of these proceedings, and direct that the papers be returned to the local office for publication of the notice of application in compliance with the requirements of the act.

The papers transmitted with your letter of January 20 and February 4, 1874, are herewith returned.

Very respectfully,

C. DELANO, *Secretary*

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

A case having been presented where the notice was published for nine days in one paper and in another paper for the remainder of the sixty days required for the publication of the notice of intention to apply for a patent under the mining act, the honorable Secretary of the Interior ruled that the notice was not properly published.

In the case of certain applications for patents for portions of Mount Bross, Colorado, as "placer claims," it was held by this Office that the mining act of May 10, 1872, divides the mineral producing lands into two classes, viz: first, where the mineral matter is found in *rock in place* and the second includes *placers and all forms of deposits not found in rock in place*. And that only such lands as come under the second classification can be patented as placer claims.

This decision was approved by the honorable Secretary of the Interior.

The question having been officially presented to this Office, it was held that if a company is in the possession, and entitled to the possession of several locations, by virtue of compliance with the local law, customs, and regulations, and the acts of Congress, it may embrace them in one application, and receive a patent for all of said claims upon full compliance with the law and instructions.

In cases of this kind a survey must be made of each location separately, and the published and posted notices and diagrams must contain a full and accurate description of each tract applied for, so as to enable other parties to determine what mines and premises are embraced in each and every parcel. The notice and diagram must be posted upon each tract described therein, and record title should be furnished in regard to each location, and proof that an amount of not less than five hundred dollars has been expended upon each separate location or claim.

It is not intended by this ruling to authorize parties to embrace in one application or entry claims situate at remote distances from each other in different land or mining districts, but simply to enable individuals or companies holding several claims in the same neighborhood though not contiguous, to make their entries and have their rights adjudicated with as little expense as possible.

The law requires that certain expenditures shall be made upon a mining claim before patent can issue therefor. This expenditure may be made from the surface, or in running a tunnel for the purpose of developing *the particular vein, lode, or deposit.*

Under the town site laws, by the express provisions of the statutes, no title can be acquired to any mine of gold, silver, cinnabar, or copper, or to any valid mining claim; and a clause is inserted in all patents for town sites in the mineral region expressly excepting all mines from the operations of the patent. Where patent issues for a mining claim which is embraced within the exterior boundaries of a town site entry or patent, the following clause is inserted in such mining patent: "Excepting and excluding, however, from these presents all town property rights upon the surface; and there are hereby expressly excepted and excluded from the same all houses, buildings, structures, lots, blocks, streets, alleys, or other municipal improvements on the surface of the above described premises not belonging to the grantees herein, and all rights necessary or proper to the occupation, possession, and enjoyment of the same."

#### 23.—COAL LANDS.

It is held by this Office that while the act of March 3, 1873, (17th Stat., 607,) limits each individual to one entry, and prohibits the holding of other coal lands by one who has in any manner participated in the one entry allowed, it is not intended that the tract or tracts entered shall be in compact form, the only restriction being that of quantity, bounded by legal lines of subdivisions.

Where an incorporated company desires to file an application for patent under laws relating to coal land, this Office has ruled that it will be necessary for the secretary of such company to file with the local officers his affidavit setting forth in full the names of all the stockholders at the date of actual purchase, and that each stockholder will be required to file his affidavit to the effect that he has never held nor purchased any coal lands under 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," either as an individual or as a member of an association.

Upon a case submitted from Utah, it was held that where land has been returned by the surveyor general as "coal land" it cannot be entered as a town site until it has been decided by this Office, upon testimony submitted at a hearing held in accordance with existing circular instructions, that the land is of more value for agricultural and town-site purposes than for coal mining, the coal land law providing for the sale of lands by legal subdivisions only.

#### 24.—LANDS CONTAINING IRON.

Iron lands are patented under the mining act of May 10, 1872. Where the iron is found in lodes or veins, or in rock in place, the proceedings to obtain patents are the same as those prescribed in case of veins or lodes bearing the precious metals. Where the iron is not found in rock in place, the proceedings are the same as those prescribed in case of placer claims.

The question having been presented in numerous cases, it has been held that where valuable mineral deposits are found in such quantity and quality as to render the land sought to be patented more valuable on this account than for purposes of agriculture, the tracts containing such valuable mineral deposits may be patented under said mining act. If, however, the land does not contain valuable mineral deposits

quality and quantity sufficient to render the land more valuable on this account than for purposes of agriculture, it cannot be patented under the mining act, except in the case of mining mill sites, which must be non-mineral in character.

*List of mining claims patented during the fiscal year ending June 30, 1874.*

Name of mine.	Mining district.	Township.	Range.
<b>ARIZONA TERRITORY.</b>			
<i>Yavapai County.</i>			
Tiger lode.....	Tiger.....	10 N.	1 W.
Second south extension of the Tiger lode..	do.....	10 N.	1 W.
Gordon, Powers & Co.'s location on the Tiger lode.....	do.....	10 N.	1 W.
Eclipse lode.....	do.....	10 N.	1 W.
Benton lode.....	Bradshaw.....	10 N.	1 W.
<b>CALIFORNIA.</b>			
<i>El Dorado County.</i>			
Sleiger mine.....	Spanish Dry Diggings.....	13 N.	9 E.
Swansea quartz mine.....	Kelsey.....	1 N.	10 E.
Crocker & Co. placer.....	Pine Hill.....	10 N.	9 E.
Indian Hill placer.....	Indian Hill.....	10 N.	11 E.
Coe placer.....	Kelsey.....	11 N.	10 E.
Avery and Gilbert placer.....	Green Valley.....	10 N.	9 E.
Coyote Hill or White Rock Point hydraulic mine.....	White Rock.....	11 N.	11 E.
Smith and Cooley placer.....	Pinchen.....	10 N.	9 E.
Erers placer.....	do.....	10 N.	9 E.
American gravel placer.....	Fort Jim.....	10 N.	11 E.
Roundout hydraulic-tunnel placer.....	Benton.....	11 N.	11 E.
Robinson & Jess placer.....	Smith's Flat.....	10 N.	11 E.
Hook and ladder placer.....	do.....	10 N.	11 E.
Regan & Co.'s hydraulic placer.....	Red Hill.....	10 N.	11 E.
Golden shaft and deep-channel placer.....	Smith's Flat.....	10 N.	11 E.
Sugar-loaf quartz mine.....	Angra.....	6 N.	9 E.
Pacific quartz mine.....	Placerville.....	10 N.	11 E.
Georgia Hill tunnel and hydraulic placer.....	White Rock.....	11 N.	11 E.
Sweeney placer.....	Gold Hill.....	11 N.	10 E.
Granite tunnel placer.....	Smith's Flat.....	10 N.	11 E.
Chili Bar placer.....	Kelsey.....	11 N.	10 E.
Lusk placer.....	Irish Flat.....	11 N.	10 E.
Eureka quartz mine.....	Mount Pleasant.....	9 N.	13 E.
Yellow Jacket quartz mine.....	Volcanoville.....	13 N.	11 E.
Franklin placer.....	Placerville.....	10 N.	11 E.
Defiance placer.....	Garden Valley.....	12 N.	10 E.
Live Oak hydraulic and tunnel placer.....	Reservoir Hill.....	10 N.	11 E.
Huft placer.....	Mud Springs.....	10 N.	10 E.
Hardscrabble placer.....	Smith's Flat.....	10 N.	11 E.
El Dorado quartz mine.....	Mud Springs.....	9 N.	10 E.
Gopher quartz mine.....	Kelsey.....	11 N.	10 E.
Kan & Co. placer.....	Georgetown.....	13 N.	10 E.
<i>Shasta County.</i>			
Woodward placer.....	Spring Creek.....	32 N.	5 W.
<i>Stanislaus County.</i>			
Red Hill or Henry Wines placer.....	Gassburgh.....	3 S.	14 E.
Kelly and Gannon placer.....	do.....	3 S.	14 E.
Three La Grange placers.....	Patricksville.....	3 S.	14 E.
Do.....	La Grange.....	3 S.	14 E.
<i>Kern County.</i>			
Summer gold and silver quartz mine.....	Cove.....	25 S.	33 E.
Big Blue Lead gold and silver quartz mine.....	do.....	25 S.	33 E.
Nellie E. Dent quartz mine.....	do.....	25 S.	33 E.
<i>Tuolumne County.</i>			
Ingolotti & Co. placer.....	Saw-Mill Flat.....	2 N.	14 E.
Lovell placer.....	Columbia.....	2 N.	14 E.
Reed & Co. placer.....	Springfield.....	2 N.	14 E.
Tuttle placer.....	Wood Creek.....	1 S.	14 E.
Davies placer.....	Springfield.....	2 N.	14 E.
Finn placer.....	Springfield and Columbia districts.....	2 N.	14 E.
Confidence quartz mine and mill site.....	Confidence.....	2 N.	16 E.
Soulsby quartz mine.....	Tuolumne Quartz.....	2 N.	16 E.
Spring Hill or Wooters & Cowen placer.....	Brown's Flat.....	2 N.	14 E.

List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>Amador County.</i>			
Slocum & Mitchell placer	Volcano	7 N	12 E.
Keystone gold quartz mine	Amador	7 N	11 E.
Bunker Hill quartz mine	do	7 N	10 E.
Hardenbergh mine and mill site	Jackson	5 N	10 E.
Mahoney and South Mahoney mines	Sutter Creek	6 N	11 E.
Spring Hill and Geneva mine	Amador	7 N	10 E.
Summit quartz mine	Sutter Creek	6 N	11 E.
North Star quartz mine	do	6 N	11 E.
Coney & Bigelow quartz mine	Jackson	6 N	11 E.
Hartman placer	Ione	6 N	10 E.
A vala placer	Jackson	6 N	11 E.
Elipse gold quartz mine	Amador	7 N	10 E.
<i>Trinity County.</i>			
Collopy placer	Lewiston	33 N	8 W.
Phillips placer	do	33 N	8 W.
Lowden placer	do	33 N	9 W.
Ward placer	do	33 N	9 W.
Garden Gulch placer	Weaverville	34 N	10 W.
<i>Calaveras County.</i>			
Carson Creek mine	Carson Creek	2 N	13 E.
Calaveras copper mine	Copper Cañon	1 N	12 E.
Enterprise quartz mine	Carson Quartz	2 N	13 E.
Stanislaus gold quartz mine	do	2 N	13 E.
Santa Cruz quartz mine	do	2 N	13 E.
Reserve quartz mine	do	2 N	13 E.
Plug Ugly placer	San Andreas	4 N	12 E.
Hudson quartz mine	Latimer	4 N	11 E.
Buena Vista Hill placer	Buena Vista Hill	5 N	12 E.
Woodhouse quartz mine	Sandy Gulch	6 N	13 E.
Duryea placer	Chilli Gulch	5 N	11 E.
Poorman quartz mine	Railroad Flat and Independence Quartz	6 N	13 E.
Tecumseh lode and mill site	Gopher	1 N	11 E.
Finnegan quartz mine	Carson	2 N	13 E.
Big or Wolverine quartz mine	Railroad Flat and Independence Quartz	6 N	13 E.
Morgan gold and silver quartz mine	Carson	2 N	13 E.
Carson quartz mine and mill site	do	2 N	13 E.
San Bruno lode	Glencoe	6 N	13 E.
<i>Nevada County.</i>			
Layton placer	American Hill	16 N	8 E.
Baltic gravel mine	Rough and Ready	16 N	8 E.
Sulphuret gold and silver quartz mine	Fall Creek	17 N	11 E.
Thomas placer	Grass Valley	16 N	8 E.
Doolittle placer	Willow Valley	16 N	9 E.
Young America placer	Nevada	16 N	9 E.
Biggs, Roberts & McGuire placer	Grass Valley	16 N	8 E.
Badger Hill and Cherokee gravel mine	Badger Hill and Cherokee	17, 18 N	8 E.
Prescott & Tuples placer	Omega	17 N	11 E.
Nevada gold quartz mine and mill site	Nevada	16 N	8 E.
Union Hill quartz mine	Grass Valley	16 N	8 E.
Brown Brothers placer	You Bet	15 N	10 E.
Kilham placer	Blue Tent	17 N	9 E.
Bell & McHaired placer	do	17 N	9 E.
Merrill placer	Owega	17 N	11 E.
Red Dog placer	You Bet	16 N	10 E.
Marietta gold and silver quartz mine	Fall Creek	17 N	11 E.
Neece & West, Brown's Hill, and Wal-lowpa placers.	You Bet	16 N	10 E.
McLean placer	do	16 N	10 E.
Sugar Loaf cement and gravel claim	Rough and Ready	16 N	7 E.
<i>Placer County.</i>			
Diadem placer	Bear Valley	16 N	11 E.
Thompson placer	Dutch Flat	16 N	10 E.
Yule & Willey placer	Michigan Bluff	14 N	11 E.
Moore placer	Yankee Jims	14 N	10 E.
Red Hill placer	Michigan Bluff	14 N	11 E.
Greenwood & Co. placer	Mush Flat	12 N	8 E.
F. Hoffman placer	Michigan Bluff	14 N	11 E.
Vermont placer	Dutch Flat	16 N	10 E.
Empire quartz mine	Township No. 2	13 N	7 E.
Taylor & Anderson placer	Todd's Valley	13 N	10 E.
Big Spring Tunnel placer	Forrest Hill	14 N	10 E.
Butcher Boy lode	Auburn	12 N	8 E.
Black ledge	Lone Star	13 N	8 E.
Baker gold quartz mine	Garden Bar	13 N	6 F.

List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>Butte County.</i>			
Hilton & Co. placer .....	Live Oak .....	16 N ..	4 E.
<i>Inyo County.</i>			
Santa Maria silver and lead mine .....	Cerro Gordo .....	16 S ..	38 E.
<i>Lake County.</i>			
Hellen quicksilver mine .....	Lake .....	10 N ..	8 W.
COLORADO TERRITORY.			
<i>Gilpin County.</i>			
Fisk lode and mill-site .....	Gregory and Enterprise .....	3 S ..	72 W.
Fisk lode, (Barker) .....	Gregory .....	3 S ..	72 W.
Fisk lode, (Ralston & Burke) .....	do .....	3 S ..	72 W.
Kirk lode .....	Illinois Central .....	3 S ..	73 W.
Burroughs lode .....	Nevada .....	3 S ..	73 W.
Billings lode .....	Gregory .....	3 S ..	73 W.
French lode .....	Russell .....	3 S ..	73 W.
Trade Wind lode .....	Mountain House .....	3 S ..	72 W.
French lode .....	Russell .....	3 S ..	73 W.
Louisiana lode .....	do .....	3 S ..	73 W.
Humboldt lode .....	Gregory .....	3 S ..	73 W.
Jacques mill site .....	Nevada .....	3 S ..	73 W.
Kansas lode, (Ophir Company) .....	do .....	3 S ..	73 W.
Gregory lode, (Lippitt & Foster) .....	Gregory .....	3 S ..	73 W.
Bates lode and mill site .....	do .....	3 S ..	72 W.
Arctic lode .....	Lake .....	3 S ..	72 W.
Grand Army lode .....	Eureka .....	3 S ..	73 W.
Gregory lode .....	Gregory .....	3 S 72	73 W.
Bobtail lode .....	do .....	3 S ..	72 W.
Mercer County lode .....	Nevada .....	3 S ..	73 W.
Fisk lode, (Lothrop) .....	Gregory .....	3 S ..	72 W.
Fisk lode, (Ralston <i>et al.</i> ) .....	do .....	3 S ..	72 W.
Adaline lode .....	Central City .....	3 S ..	73 W.
Pewabic lode and mill site .....	Russell .....	3 S ..	73 W.
Pewabic lode .....	do .....	3 S ..	73 W.
Buckeye lode .....	Nevada .....	3 S ..	73 W.
Monroe lode .....	do .....	3 S ..	73 W.
Kansas lode and mill-site .....	do .....	3 S ..	73 W.
Kansas, or Jones & Matterson Nevada lode .....	do .....	3 S ..	73 W.
Kansas lode .....	do .....	3 S ..	73 W.
Roderick Dhu lode .....	Illinois Central .....	3 S ..	73 W.
Fisk lode and mill site .....	Gregory .....	3 S ..	73 W.
Bueno lode .....	do .....	3 S ..	73 W.
Federal lode .....	Russell .....	3 S ..	73 W.
West Pewabic lode .....	do .....	3 S ..	73 W.
Radical lode .....	Enterprise .....	3 S ..	72 W.
<i>Park County.</i>			
Dolly Varden lode .....	Consolidated, Montgomery .....	(*)	(*)
Clark placer .....	Fairplay .....	9 S ..	77 W.
McLaughlin placer .....	do .....	9 S ..	77 W.
Clark placer .....	do .....	9 S ..	77 W.
Wilson .....	Consolidated, Montgomery .....	(*)	(*)
Moynahan & Co. placer .....	Columbia .....	9 S ..	78 W.
<i>Boulder County.</i>			
Fifty-nine lode .....	Gold Hill .....	1 N ..	72 W.
Maxwell lode .....	do .....	1 N ..	72 W.
Knox lode .....	do .....	1 N ..	72 W.
Poorman lode .....	Grand Island .....	1 S ..	73 W.
Comstock lode .....	do .....	1 S ..	73 W.
Trojan lode .....	do .....	1 S ..	73 W.
Boulder County lode, (Conger & Sanders) .....	do .....	1 S ..	73 W.
Boulder County lode, (McKenzie) .....	do .....	1 S ..	73 W.
Federal lode .....	do .....	1 S ..	73 W.
<i>Summit County.</i>			
Comstock lode .....	Snake River .....	5 S ..	76 W.
Chautauqua lode .....	do .....	(*)	(*)

\* Unsurveyed.

List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>Clear Creek County.</i>			
Virgin lode.....	Griffith.....	4 S.	75 W.
Ramage lode.....	do.....	4 S.	74 W.
Santa Fé lode.....	Idaho and Independent.....	3 S.	73 W.
Saint Jo lode.....	Griffith.....	4 S.	75 W.
Wincorn lode.....	do.....	4 S.	75 W.
Dunderberg lode.....	do.....	4 S.	75 W.
William B. Astor, (lode and mill site).....	do.....	4 S.	74 W.
Bull Dog lode.....	do.....	4 S.	74 W.
Sacramento lode.....	do.....	4 S.	74 W.
Lebanon Mining Company mill site.....	Cascade.....	4 S.	73 W.
Charter Oak lode.....	do.....	4 S.	73 W.
Mountain Maid lode.....	Griffith.....	4 S.	75 W.
John J. Roe lode.....	do.....	4 S.	75 W.
Albro lode.....	Morris.....	3 S.	73 W.
Matilda Fletcher lode.....	Upper Union.....	4 S.	74 W.
R. O. Old mill site.....	Griffith.....	4 S.	75 W.
Elmer Faunce mill site.....	do.....	4 S.	75 W.
National Bank lode.....	Lincoln.....	3 S.	74 W.
Franklin lode.....	Idaho.....	3 S.	73 W.
Lucerne lode.....	do.....	3 S.	73 W.
Hukill lode.....	Spanish Bar.....	3 S.	73 W.
Wilson & Cass mill site.....	Griffith.....	4 S.	74 W.
Simpson lode.....	do.....	4 S.	74 W.
Rio Grande lode.....	do.....	4 S.	74 W.
Munsell lode.....	do.....	4 S.	74 W.
Mendata lode.....	do.....	4 S.	75 W.
Tunnel lode No. 5.....	do.....	4 S.	74 W.
Bell Tunnel lode No. 1.....	Griffith Lode.....	4 S.	74 W.
Tunnel lode No. 6.....	Griffith.....	4 S.	74 W.
National lode.....	Argentine.....	(*)	(*)
Philadelphia lode and mill site.....	Lincoln and Empire.....	3 S.	73 W.
Corry City lode.....	Griffith.....	4 S.	75 W.
Fingal lode.....	do.....	4 S.	74 W.
R. O. Old lode and mill site.....	do.....	4 S.	74 W.
John J. Roe lode.....	do.....	4 S.	75 W.
Indigo lode.....	do.....	4 S.	74 W.
Congress lode.....	do.....	3 S.	74 W.
Highland lode.....	do.....	4 S.	74 W.
Alps lode.....	Cascade.....	4 S.	73 W.
Queen lode and mill site.....	Idaho.....	3 S.	73 W.
Ground Hog lode.....	Griffith.....	4 S.	75 W.
Cape Horn lode.....	do.....	4 S.	75 W.
Lake Superior lode.....	do.....	4 S.	74 W.
Specie.....	Queens.....	4 S.	75 W.
Saint Lawrence lode.....	Griffith.....	4 S.	74 W.
O. K. lode.....	do.....	4 S.	74 W.
Mammoth lode.....	do.....	4 S.	75 W.
<b>MONTANA TERRITORY.</b>			
<i>Lewis and Clarke County.</i>			
Nash & Murphy placer.....	Brown's Silver Creek.....	11 N.	5 W.
Lawrence & Hedges placer.....	Seven Mile.....	10 N.	4 W.
Corbin & Co. placer.....	Union.....	10 N.	3 W.
Getchell & Childs placer.....	Rattlesnake.....	10 N.	3 W.
Hanser & Co. placer.....	Youngs.....	11 N.	2 W.
Fagan & Co. placer.....	do.....	10 N.	3 W.
Morning Star lode.....	do.....	10 N.	4 W.
Hanser & Co. placer.....	Youngs.....	11 N.	2 W.
Ray & Hale placer.....	Dry Gulch.....	9 N.	4 W.
Beheng & Co. placgr.....	Greenhorn.....	10 N.	5 W.
Stymest placer.....	Union.....	10 N.	3 W.
Pflanmer and Hoback placer.....	Dry Gulch.....	10 N.	3 W.
Chessman and Davis placer.....	Holena Hill.....	10 N.	3 W.
<i>Jefferson County.</i>			
Smith placer.....	Lake.....	5 N.	4 W.
Hanser & Co. placer.....	Palo Alto.....	9 N.	2 W.
Hartwell & Co. placer.....	Upper Claney.....	8 N.	4 W.
Neel & Crismon placer.....	Prickly Pear.....	9 N.	3 W.
Diamond lode.....	Union.....	7 N.	1 W.
Legal Tender lode.....	Spring.....	8 N.	3 W.
Cutler placer.....	Big Indian.....	9 N.	3 W.
First National lode.....	Hot Spring.....	8 N.	3 W.
Second National lode.....	do.....	8 N.	3 W.
Mammoth lode.....	do.....	8 N.	3 W.
Hidden Treasure lode.....	Cedar Plain.....	5 N.	1 W.

\* Unsurveyed.



List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>Deer Lodge County.</i>			
Muller & Co. placer .....	Central and Siberia .....	3 N.	10 W.
Little Emma lode .....	Flint Creek .....	(*)	(*)
Salmon and Cliff Extension No. 2 lodes .....	do .....	6 N.	13 W.
O'Rourke & Bill placer .....	do .....	12 N.	9 W.
Do .....	Pencis .....	10 N.	8 W.
Gem lode .....	Flint Creek .....	6 N.	13 W.
Newcomer & Co. placer .....	Oro Fino .....	(*)	(*)
J. B. & J. R. Wilson placer .....	do .....	13 N.	10 W.
<i>Meagher County.</i>			
Benson & Co. placer .....	do .....	10 N.	1 W.
Loyd & Ryan placer .....	Boulder Bar .....	10 N.	2 E.
St. John lode .....	Muscleshell .....	10 N.	9 E.
Macdonald & Co. placer .....	do .....	8 N.	2 & 3 E.
Hall placer .....	Boulder Bar .....	10 N.	3 E.
NEVADA.			
<i>Storey County.</i>			
Comstock lode .....	Virginia .....	17 N.	21 E.
Williams & Bixler Woodville lode .....	Gold Hill .....	16 N.	21 E.
Minerva lode .....	do .....	17 N.	21 E.
Virginia lode .....	Virginia .....	17 N.	21 E.
Julia lode .....	do .....	17 N.	21 E.
La Cata lode .....	do .....	17 N.	21 E.
Sarah Ann lode .....	do .....	17 N.	21 E.
South extension of the Hale & Norcross lode .....	do .....	17 N.	21 E.
Alban lode .....	do .....	17 N.	21 E.
McKibben lode .....	do .....	17 N.	21 E.
Twin lode .....	Gold Hill .....	16 N.	21 E.
Comstock lode, (Keystone claim) .....	do .....	16 N.	21 E.
<i>Eureka County.</i>			
Helena Mortimer lode .....	Eureka .....	(*)	(*)
Elize Hall .....	do .....	(*)	(*)
Hamburg lode .....	do .....	(*)	(*)
Richmond lode .....	do .....	(*)	(*)
Tip Top lode .....	do .....	(*)	(*)
Carson lode .....	do .....	(*)	(*)
<i>Esmeralda County.</i>			
Antelope lode .....	Esmeralda .....	5 N.	28 E.
Utah lode .....	do .....	5 N.	28 E.
Last Chance lode .....	do .....	(*)	(*)
Juniata lode .....	do .....	(*)	(*)
<i>Lyon County.</i>			
Alhambra lode .....	Devil's Gate .....	16 N.	21 E.
Cherokee lode .....	do .....	16 N.	21 E.
Marble lode .....	do .....	16 N.	21 E.
Mammoth lode .....	do .....	16 N.	21 E.
Metropolitan lode .....	Devil's Gate and Chinatown .....	16 N.	21 E.
South Comstock lode .....	Devil's Gate .....	16 N.	21 E.
Carson lode .....	Devil's Gate and Chinatown .....	16 N.	21 E.
Mammoth lode .....	Devil's Gate .....	16 N.	21 E.
<i>Humboldt County.</i>			
Virgin lode .....	Battle Mountain .....	31 N.	43 E.
Mountain Rock lode .....	do .....	31 N.	43 E.
Mary Louisa lode .....	do .....	31 N.	43 E.
Star City mill site .....	Star .....	31 N.	43 E.
<i>Lander County.</i>			
Bromide lode .....	Secret Cañon .....	(*)	(*)
Lord Byron lode .....	Eureka .....	(*)	(*)
Tacoma lode .....	do .....	(*)	(*)
Ben Biggs lode .....	Amador .....	20 N.	44 E.
<i>Nye County.</i>			
State Line lode .....	Gold Mountain .....	(*)	(*)
Silver Moon lode .....	Union .....	(*)	(*)
Northern Star lode .....	do .....	(*)	(*)
Transylvania No. 3, or Buel Highbridge lode .....	Philadelphia .....	(*)	(*)
Adirondac lode .....	Twin River .....	13 N.	41 E.

\* Unsurveyed.

List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>White Pine County.</i>			
Bismuth lode	White Pine	16 N	57 E.
Chihuahua lode	do	16 N	57 E.
Caledonia lode	do	16 N	58 E.
Bullion No. 1 lode	do	16 N	57 E.
Emerald Isle lode	do	16 N	58 E.
Silver Stone lode	Pinto	18 N	54 E.
C. O. D. lode	White Pine	16 N	58 E.
C. T. Fay lode	do	16 N	58 E.
Indianapolis lode	do	16 N	58 E.
King William lode	do	16 N	58 E.
Gloucester lode	do	16 N	57 E.
Hays' lode	Robinson	(*)	(*)
Great Western lode	Schell Creek	(*)	(*)
Saint John del Rey lode	White Pine	16 N	58 E.
Imperial lode	do	16 N	58 E.
Pogonip lode	do	16 N	58 E.
Glacier lode	do	16 N	58 E.
Black lode	do	16 N	58 E.
Idaho Westerly lode	do	16 N	58 E.
Hemlock lode	do	16 N	58 E.
Genesee lode	do	16 N	58 E.
Albany lode	do	16 N	58 E.
Aultman lode	Robinson	(*)	(*)
Northern Light lode	White Pine	16 N	57 E.
Nimrod lode	do	16 N	58 E.
NEW MEXICO.			
<i>Dona Ana County.</i>			
San Augustin	Organ Mountain	22 S	3 E.
OREGON.			
<i>Baker County.</i>			
Green's Discovery lode	Rye Valley	(*)	(*)
Cumming's placer	Pioneer	(*)	(*)
Estes placer	do	9 S	39 E.
Powers placer	Rye Valley	(*)	(*)
Curtis & Co. placer	Pioneer	(*)	(*)
<i>Jackson County.</i>			
Cameron placer	Sterling	39 S	2 W.
Cameron & Co. placer	do	39 S	2 W.
UTAH TERRITORY.			
<i>Salt Lake County.</i>			
Last Chance mine	Little Cottonwood	(*)	(*)
Hiawatha mine	do	(*)	(*)
Lady Moorhead lode	do	(*)	(*)
Davenport mine	Big and Little Cottonwood	(*)	(*)
Caledonia mine	Little Cottonwood	(*)	(*)
Last Chance lode	West Mountain	(*)	(*)
Eagle Bird mine	do	(*)	(*)
War Eagle lode	American Fork	(*)	(*)
Flora Temple lode	Little Cottonwood	(*)	(*)
Jacob Astor lode	do	(*)	(*)
Cresus lode	West Mountain	(*)	(*)
Pioneer mine	American Fork	(*)	(*)
Pittsburg mine	do	(*)	(*)
War Eagle B mine	do	(*)	(*)
<i>Summit County.</i>			
Ontario mine and mill site	Uintah	(*)	(*)
Pinyon and Pinyon Extension mine	do	(*)	(*)
<i>Box Elder County.</i>			
Gladstone mine	Lucin	(*)	(*)
Stanly mine	do	(*)	(*)

\* Unsurveyed.

List of mining claims patented during the fiscal year ending June 30, 1874—Continued.

Name of mine.	Mining district.	Township.	Range.
<i>Tooele County.</i>			
Zella mine.....	Ophir.....	(*)	(*)
Rockwell mine.....	do.....	(*)	(*)
Mountain Tiger mine.....	do.....	(*)	(*)
Consolidated Camp Douglas lode.....	Camp Floyd.....	(*)	(*)
Trafalgar lode.....	Ophir.....	(*)	(*)
Great Western and Western Extension Consolidated lode.....	do.....	(*)	(*)
Monarch lode.....	do.....	(*)	(*)
<i>Beaver County.</i>			
Harrington and Hickory Consolidated lode.....	North Star.....	(*)	(*)

\* Unsurveyed.

### 25.—BOUNTY LANDS.

Tabular statement No. 9, which forms part of this report, shows the condition of bounty land business under the acts of 1847, 1850, 1852, and 1855, the issues and locations from the commencement of operations under said acts to June 30, 1874. From this it will be seen that the locations for the year ending June 30, 1874, made with military bounty land warrants issued under the aforesaid acts, amount to 131,080 acres. To which should be added the locations made with war-of-1812 warrants, act of 27th July, 1842, calling for 2,080 acres; making a total of 133,160 acres located with military bounty land warrants. The number of warrants examined by this division, and transmitted to the Recorder for patenting, is 1,093.

I desire in this connection to call your attention to the fact that it is ascertained, after careful examination made, that there are now on the files of this Office some 4,739 warrants issued under the acts above named, which have been and are now "suspended" by caveats filed against their satisfaction, either by the Commissioner of Pensions, or individuals, or for valid defects in the assignment or location thereof.

I can suggest no remedy in these cases, inasmuch as the necessary correspondence has been had therein either with the local land officers or with the parties in interest; and all cases are relieved from suspension as soon as the cause therefor is removed, and passed for patenting.

### 26.—REVOLUTIONARY BOUNTY LAND SCRIP.

The locations made with this class of scrip amount to 2,128 acres. The amount of such scrip issued is 1,172 acres. The number of claims now pending for such scrip under the act of August 31, 1852, is 329. And the amount of land included therein is 112,578 acres.

The delay in satisfying these claims is owing to the fact that nearly all the warrants upon which the same are founded were issued to residents of the Southern States, the heirs of officers and soldiers of the Virginia line in the war of the Revolution, and that from the lapse of time and separation and death of parties interested, occasioned by the late rebellion, the "present proprietorship" cannot be satisfactorily established without very great difficulty. In addition to which, by the decision of the Department, of date December 23, 1869, the joint resolution of Congress, approved March 2, 1867, "prohibiting payment by any officer of the Government to any person not known to have been opposed to the rebellion and in favor of its suppression," was held to apply to all

applications for revolutionary bounty land scrip. Every perfected claim has been satisfied.

The number of claims pending for patent for lands in the Virginia military district, Ohio, is 61; and these call for 13,247 acres. All of these cases have been "suspended" on account of caveats filed or defects in the title, of which facts the claimants have been duly advised.

The number of warrants the assignments of which have been approved is 219. The number of certified copies of patents, &c., issued is 208.

The only decision of the Department affecting the operations of the Office was made February 19, 1874, in the case of Roderick Rutland, on appeal from the ruling of this Office, in which it was held, in affirmance of the Commissioner's opinion, that where a military bounty land warrant is regular on its face, though in reality improperly obtained from the warrantee, and located upon a forged assignment, and the location patented to innocent parties, without protest or notice of loss from the rightful owner, the patent will not be declared void, and no relief can be afforded except through the proper legal tribunals.

The decision of the Department, affirming Commissioner's opinion in the case, is as follows:

DEPARTMENT OF THE INTERIOR,  
*Washington, D. C., February 19, 1874.*

SIR: I have considered the appeal of Roderick Rutland from your decision of September 27, 1873, in the matter of his application invoking the aid of the Department to place him in the enjoyment of certain alleged rights under a military land-warrant issued to him under the act of March 3, 1855, and asserted to have been forcibly taken from him, and, without his knowledge and upon forged endorsement, located on certain land of the United States in the State of Missouri.

Admitting the statements of the claimant to be true, I am of the opinion that he forfeited all right to the protection of your Office by his own laches in the matter, in this, that he did not notify your Office of the loss, or take any steps whatever for the protection of his rights or the prevention of fraud for eight years after the loss occurred. *Vigilantibus et non dormientibus serviunt leges.* The assignment of the warrant and its location, as shown by your records, were *prima facie* regular and valid; no objection to the perfection of the location was made by any one, and in the regular course of business the same was passed to patent and actually patented three years before the claimant ever notified the Department of his loss or took any steps whatever to protect his rights.

I agree with you that the application, which is in effect to have the patent declared void, should be rejected. I think the remedy, if any there be, is in the courts. Your decision is *affirmed*, and the papers transmitted herewith returned.

Very respectfully,

B. R. COWEN,  
*Acting Secretary.*

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

#### 27.—AGRICULTURAL COLLEGE SCRIP.

The locations made with agricultural college scrip during the past fiscal year cover 112,932.98 acres, and the number of pieces of said scrip examined and passed for patenting 4,050, requiring for their satisfaction 648,000 acres. Under the act of Congress approved June 20, 1874, authorizing the issue of duplicate agricultural land scrip where the original has been lost or destroyed, the following rules and regulations to carry the same into effect were submitted to the Department and approved by the Secretary of the Interior, to wit:

#### AGRICULTURAL COLLEGE SCRIP.

DEPARTMENT OF THE INTERIOR,  
*General Land Office, September 16, 1874.*

AN ACT to authorize the issue of duplicate agricultural land scrip where the original has been lost or destroyed.

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the provisions of the act of Congress of the twenty-third day

of June, eighteen hundred and sixty, relating to the re-issue of land-warrants in certain cases, be, and the same are hereby, extended so as to include the re-issue of agricultural-college land-scrip lost, canceled, or destroyed without the fault of the owner thereof, under such rules and regulations as the Secretary of the Interior may prescribe.

"Approved June 20, 1874."

The act of Congress approved June 23, 1860, referred to in, and made a part of, the said law of June 20, 1874, is as follows, viz :

"AN ACT to authorize the re-issue of land warrants in certain cases, and for other purposes.

"*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That whenever it shall appear that any certificate or warrant, issued in pursuance of any law of the United States granting bounty land, has been lost or destroyed, whether the same had been sold and assigned by the warrantee or not, the Secretary of the Interior shall be, and he is hereby, authorized and required to cause a new certificate or warrant of like tenor to be issued in lieu thereof; which new certificate or warrant may be assigned, located, and patented in like manner as other certificates or warrants for bounty land are now authorized by law to be assigned, located, and patented; and in all cases where warrants have been or may be re-issued, the original warrant, in whosever hands it may be, shall be deemed and be held to be null and void, and the assignment thereof, if any there be, fraudulent; and no patent shall ever issue for any land located therewith, unless such presumption of fraud in the assignment be removed by due proof that the same was executed by the warrantee in good faith and for a valuable consideration.

"*SEC. 2. And be it further enacted,* That the said Secretary of the Interior shall be, and he is hereby, authorized and required to prescribe such rules and regulations for carrying this act into effect as he may deem necessary and proper in order to protect the Government against imposition and fraud by persons claiming the benefit of this act; and all laws and parts of laws for the punishment of false swearing and frauds against the United States are hereby made applicable to false swearing and frauds under this act.

"Approved June 23, 1860."

To carry into effect the said acts so far as the same relate to agricultural college land scrip, the following rules and regulations are prescribed :

1st. Whenever any piece of such scrip has failed to reach the hands of the party entitled to receive it, and to whom it was sent, or has been lost, canceled, or destroyed without the fault of the owner thereof, after having been received, in order to prevent the issuing of a patent to a fraudulent holder of the same, the actual owner must at once file in this office a caveat, in the form of an affidavit, duly authenticated, setting forth the nature of his title to the scrip, and the particulars as to its loss, cancellation, or destruction, and giving his post office address.

2d. The applicant must give public notice of the facts in the case, at least once a week for six successive weeks, in some newspaper of general circulation published at or nearest the place to which the scrip was directed, or where the loss, cancellation, or destruction occurred. In such publication (a copy of which must be furnished with the affidavit of the publisher as to its due appearance) the intention must also be expressed of applying to the Commissioner of the General Land Office for a re-issue of such scrip, which must be described by number, and the name of the State given to which the same was issued.

3d. The filing of the caveat and the advertisement of the loss, cancellation, or destruction being only preliminary steps toward the observance of these regulations, the owner of such scrip must file, as soon after the discovery of such accidents as practicable, his declaration, under oath, and duly authenticated, setting forth fully and distinctly the time, place, and circumstances of the loss, cancellation, or destruction, and that he has never sold, assigned, nor voluntarily alienated his right in and to the same.

4th. In cases where a re-issue of scrip is claimed on the ground of the non-receipt of the original thereof, the agent or person to whom it was transmitted must unite with the claimant, or make a separate affidavit as to its non-reception.

5th. If the applicant for the re-issue is not the person to whom the scrip was originally assigned by the proper State authorities, but claims to be the owner thereof by subsequent purchase for a valuable consideration, he must give the name and residence of the original assignee, the name and residence of the party of whom he purchased, and, as far as he may know or can ascertain, the name and residence of each of the several assignors through whom the title to the scrip was conveyed to him from the original assignee, and produce satisfactory evidence in proof of each and all his statements in reference thereto.

6th. Whenever the applicant establishes a satisfactory title to the scrip for which a

re-issue is claimed, and such re-issue shall be made, a certificate will be indorsed thereon, signed by the Commissioner of the General Land Office, that the claimant is entitled to assign or locate the same; such transfer to be made in the same manner and form as military bounty land warrants are authorized by existing laws, rules, and regulations to be assigned,

7th. The identity of the claimant must be satisfactorily established, and the credibility of every affiant must be duly certified to by the magistrate administering the oaths, and his official character and signature must be shown by the certificate of the clerk of the proper court or county, under the seal thereof.

No scrip will be re-issued until after the expiration of three months from the date of the filing of the application therefor in this Office, and not then if it shall appear that the original scrip is in existence and uncanceled.

S. S. BURDETT,  
*Commissioner.*

DEPARTMENT OF THE INTERIOR,  
*September 16, 1874.*

Approved :

B. R. COWEN,  
*Acting Secretary.*

28.—ACTION OF GENERAL LAND OFFICE UNDER ACT OF APRIL 5, 1872.

The following circular of instructions was transmitted to registers and receivers for their guidance in the location of certain scrip issued conformably to a special act of Congress approved April 5, 1872, and more particularly described on page 21 of this report, to wit:

DEPARTMENT OF THE INTERIOR,  
*General Land Office, June 17, 1874.*

*To Registers and Receivers of United States Land-Offices :*

GENTLEMEN: In receiving applications to file or locate scrip issued by this Office to Thomas B. Valentine, under the act of April 5, 1872, you will be governed by the following instructions :

First. You will observe that, by the terms of the said act, and by the face of the scrip itself, that scrip is applicable to any "unoccupied and unappropriated public lands of the United States not mineral."

Second. The scrip may be located by the said Thomas B. Valentine or his legal assignees. (Form of assignment annexed.)

Third. The scrip is in forty-acre pieces, and is required to be located in the same manner as are military bounty land warrants, viz, each piece must apply to a separate forty-acre subdivision, be accompanied by a separate application, and receive a separate register's and receiver's number.

Fourth. When an immaterial excess of area occurs in the subdivision sought to be located, the applicant will be required to pay for such excess in cash, at the Government price per acre, and the receiver will issue an excess receipt therefor, and account for the same as in similar cases of military bounty land locations. The register, in such cases, will append to the application his official statement, in red ink, that — acres (the excess) of said tract have been paid for, per receiver's receipt No. —.

Fifth. When application is made to file the said scrip upon unsurveyed land, a description by metes and bounds, together with a map or diagram of the tract applied for, must be filed with the application. In such cases, the scrip, with the accompanying papers as aforesaid, will be retained in the careful custody of the receiver until such time as the township embracing the tract applied for shall be surveyed. Within three months from the date of the receipt by the register of the official plat of survey of the said township, the party who may have filed the said scrip will be required to appear before you and designate upon the official plat the specific subdivision embraced in the said filing, whereupon the location thereof will be consummated; and thereafter all the papers in the case will be transmitted to this Office with your regular monthly returns. Should the applicant fail to so appear within the specified three months, you will immediately thereafter proceed to adjust the filing yourselves, as nearly as may be practicable, by the map and description filed by the party, and forward the same to this Office as aforesaid. If you are unable to determine the locality of the land in the public surveys, you will report the fact, forwarding therewith all the papers in the case for my action. After a piece of the said scrip shall have been filed upon an unsurveyed tract, you will in no event allow the party to amend the description or diagram, or to reclaim the scrip, without express instructions from this Office.

Sixth. The records of your proceedings in locating the said scrip and your official

returns of the same are to be kept entirely separate and distinct from other sales entries, and locations of public lands. At the close of each month you will make a separate official return of the scrip located during that month, with all the papers on file connected with such location, accompanied by a monthly abstract, as in the case of military warrant locations. You will also, at the end of each month, report, in an abstract similar to those used in cases of pre-emption filings, the numbers of such scrip as may have been filed during that month upon unsurveyed lands, together with the names of the parties filing the same, and the precise date of filing each piece.

Seventh. The fees of the register and receiver for the filing and location of the said scrip will be fifty cents to each officer on each piece of scrip filed, and the same amount on each piece located.

Eighth. The applications, certificates, and abstracts provided for military bounty land warrant locations will be used for this scrip, care being taken to first correct, in writing, the style and title and date of act governing the same. For reports of filings of the same the abstracts provided for declaratory statements under the pre-emption laws will be used, with the necessary corrections in writing.

Respectfully,

W. W. CURTIS,  
*Acting Commissioner.*

DEPARTMENT OF THE INTERIOR, June 26, 1874.

Approved:

C. DELANO,  
*Secretary.*

*Form of assignment.*

For and in consideration of the sum of \_\_\_\_\_ dollars, to me in hand paid, I, Thomas B. Valentine, of \_\_\_\_\_, in the county of \_\_\_\_\_ and State of \_\_\_\_\_, to whom the within special certificate of location E, No. —, was issued, do hereby sell and assign unto \_\_\_\_\_, of \_\_\_\_\_ county, and State of \_\_\_\_\_, and to his heirs and assigns forever, the said special certificate of location E, No. —, and I do hereby authorize him to locate the same and receive a patent for the land so located.

Witness my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, A. D. 187—.

Attest:

\_\_\_\_\_  
\_\_\_\_\_  
(Two witnesses.)

STATE OF \_\_\_\_\_, COUNTY OF \_\_\_\_\_, ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, A. D. eighteen hundred and seventy —, before me, \_\_\_\_\_, a notary public in and for said county, personally appeared Thomas B. Valentine, known to me to be the person whose name is subscribed to the within instrument, and he duly acknowledged to me that he executed the same.

In witness whereof I have hereunto set my hand and affixed my official seal, at my office, in the \_\_\_\_\_ of \_\_\_\_\_, the day and year in this certificate first above written.

#### 29.—RAILROADS.

In the adjustment of land grants for railroad purposes considerable progress has been made. In July, 1872, a division was organized in this Office to which all questions growing out of the adjustment of railroad grants are now 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. Upwards of sixteen hundred cases of conflict have been entered upon the dockets of this Office, of which about three-fourths have been decided, 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 December term, 1872, 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, 1874, there have been certified for railroad purposes 3,264,314.42 acres, a decrease as compared with the amount certified the year previous of 3,819,222.15 acres.

The reports of construction received during the year aggregate 719 miles, which, added to the entire length of constructed road previously reported under the land grant system, amount to 12,766 miles, distributed as follows:

States and Territories.	Miles.	States and Territories.	Miles.
Missouri .....	703	Nebraska .....	832
Alabama .....	700	Washington .....	106
Mississippi .....	406	Utah .....	255
Louisiana .....	152	Dakota .....	196
Michigan .....	945	Colorado .....	298
Arkansas .....	516	Montana .....	.....
Florida .....	203	Arizona .....	.....
Iowa .....	1,580	Idaho .....	.....
Wisconsin .....	354	Wyoming .....	400
California .....	686	Indian .....	135
Minnesota .....	1,745	Alaska .....	.....
Oregon .....	200	Texas, (where there are no public lands) .....	220
Kansas .....	1,654		
Nevada .....	460	Total .....	12,766

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.

There has been no material change in the rulings and decisions governing the adjustment of railroad claims during the year, and I therefore do not deem it necessary to introduce reports of cases in this connection.

An important question has been for some years before the courts and



the Executive Departments respecting the reversion of lands to the General Government upon failure to complete a road in whose aid a grant has been made within the time prescribed by the granting act, where a reversion is provided for in case of such failure.

This question relates to the mode of enforcing the forfeiture, and particularly to the inquiry whether or not it is essential that a congressional judicial declaration of forfeiture be made to restore the lands not earned by the grantee to the public domain for disposition as other public lands. I therefore append, in this connection a very elaborate and well considered opinion of the honorable Attorney General of the United States, rendered on the 6th of August, 1874, touching the subject under consideration in its relation to legislative grants of this kind, and affecting what is known as the Saint Croix and Lake Superior Railroad, in the State of Wisconsin :

DEPARTMENT OF JUSTICE,  
Washington, August 6, 1874.

SIR: Your communication of the 24th of August, 1872, in regard to the land-grant made by Congress to the State of Wisconsin, in aid of a railroad from Saint Croix River or Lake to the west end of Lake Superior and to Bayfield, requests my opinion upon the question whether you are "authorized to declare the said grant to be forfeited, and to order the restoration of the granted lands to settlement and to market."

The grant referred to is that contained in the act of June 3, 1856, (11 Stat. at L., 20.) the provisions whereof, so far as material to the subject matter of the inquiry, are the following: By the first section of the act it is provided "that there be, and is hereby, granted to the State of Wisconsin, for the purpose of aiding in the construction of a railroad" from and to the points above mentioned, "every alternate section of land designated by odd numbers for six sections in width on each side of said roads respectively. But in case it shall appear that the United States have, when the lines or routes of said roads are definitely fixed, sold any sections or parts thereof granted as aforesaid, or that the right of pre-emption has attached to the same, then it shall be lawful for any agent or agents, to be appointed by the governor of the State, to select, subject to the approval of the Secretary of the Interior, from the lands of the United States nearest to the tier of sections above specified, so much land, in alternate sections or parts of sections, as shall be equal to such lands as the United States have sold or otherwise appropriated, or to which the right of pre-emption has attached as aforesaid, which lands (thus selected in lieu of those sold and to which pre-emption has attached as aforesaid, together with the sections and parts of sections designated by odd numbers as aforesaid, and appropriated as aforesaid) shall be held by the State of Wisconsin for the use and purposes as aforesaid: *Provided*, That the lands to be so located shall in no case be further than fifteen miles from the line of the roads in each case, and selected for and on account of said roads: *Provided further*, That the lands hereby granted shall be exclusively applied in the construction of that road for which it was granted and selected, and shall be disposed of only as the work progresses, and the same shall be applied to no other purpose whatsoever." The third section declares that the lands "granted to said State shall be subject to the disposal of the legislature thereof for the purposes aforesaid, and no other."

The fourth section provides "that the lands hereby granted to said State shall be disposed of by the said State only in the manner following; that is to say, that a quantity of land not exceeding one hundred and twenty sections, and included within a continuous length of twenty miles of roads, respectively, may be sold; and when the governor of said State shall certify to the Secretary of the Interior that any twenty continuous miles of either of said roads are completed, then another like quantity of lands hereby granted may be sold, and so from time to time until said roads are completed; and if said roads are not completed within ten years, NO FURTHER SALES SHALL BE MADE, AND THE LAND UNSOLD SHALL REVERT TO THE UNITED STATES."

By the fifth section of the act of May 5, 1864, (13 Stat. at L., 67,) the time fixed and limited for the completion of the said railroad in the act of June 3, 1856, was extended to a period of five years from and after the passage of the former act; in other words, until the 6th of May, 1869.

You inform me that the road was not completed at the date last named, and that since then efforts have been made to obtain from Congress an extension of time for its completion, but that they have failed. You also inform me that all of the public lands lying within the limits of the said grant were withdrawn from settlement and market soon after it was made, and that these lands have so remained up to the present time.

Recurring to the provisions of the act of 1856 above set forth, it will be seen that though the grant made by that act is in terms a grant *in presenti*, yet that until the

line or route of the road described therein becomes "definitely fixed" the grant is, nevertheless, in the nature of a *foat*.

The definite fixing of the road, however, has long since taken place, and the grant thus been located.

Upon the definite fixing of the road the grant immediately attached to the alternate sections designated by odd numbers lying within the "six-mile limits" which had not been previously pre-empted, sold, or otherwise appropriated, and with respect to the lands lying within the "indemnity limits," it attached to such sections as may have been made by the agents of the State in lieu of those sold or subject to pre-emption immediately upon the approval thereof by the Secretary of the Interior. After the grant attached to any particular section or parcel of land, either within the six-mile limits or within the indemnity limits, the State at once became seized of the same by force of the statute alone; but such seizing was only for the use and purpose specified in the statute, viz, for aiding in the construction of the railroad mentioned.

By the terms of the grant the lands were to be applied to that purpose exclusively, and disposed of by the State only as the work progressed, and their disposition was, besides, required to be made only in the mode prescribed by the statute. That mode was this: A quantity of land within a continuous length of twenty miles of road, not exceeding one hundred and twenty sections, was, in the first place, authorized to be sold; then, upon the governor of the State certifying to the Secretary of the Interior that any continuous twenty miles of the road is completed, another like quantity was authorized to be sold, and so on until the completion of the road.

But, as has already been shown, the grant provides that if the road is not completed within a stated period "*no further sales shall be made, and the land unsold shall revert to the United States.*" And, inasmuch as this provision places a qualification upon the grant, its effect will now be considered in connection with the subject under examination.

The provision just adverted to seems to contain two conditions, one affecting the power to dispose of the land by the grantee, and the other affecting the title of the grantee to the land.

By the one, upon the happening of the contingency referred to, (viz, the non-completion of the road within the time limited,) the authority of the State to dispose of the land is, I think, *ipso facto* determined. The language of the provision is, that in that case "no further sales shall be made"—terms which amount to a direct and positive prohibition of any sale of the land thenceforth by the State—and I cannot conceive that anything more is required in order that such prohibition may take effect than the mere failure to complete the road within the period limited. This position is strengthened by some remarks of the Supreme Court of the United States in the case of *Rice vs. Railroad Company*, (1 Black, 381,) made in reference to a similar authority determinable upon the non-fulfillment of a condition, the authority here alluded to being that conferred by section 4 of the act of June 29, 1854, entitled "An act to aid the Territory of Minnesota in the construction of a railroad therein." After adverting to the period fixed in that section for the completion of the contemplated improvement, the court, in the case above cited, observes: "Ten years were allowed for the purpose, and if the work was not completed within that time, then the power of the Territory to dispose of the lands was to cease, without any further action on the part of Congress."

By the other condition, upon the happening of the same contingency, *the land then remaining unsold* is to revert to the United States. Here the grant makes provision for a conditional divesting of the title to such land out of the grantee (the State) and re-vesting the same in the grantor, (the United States,) and the question now arises whether this change of ownership takes place immediately upon default in the condition by virtue of that provision alone, and without any act on the part of the grantor, or whether some act of the latter showing an intention to take advantage of the default is necessary first to be done in order to defeat the title of the grantee.

There are authorities which draw a distinction between the operation of conditions of this kind in legislative grants and the operation of similar conditions in grants made by private parties. Thus it has been held that where an estate is conveyed by the deed of an individual, subject to be defeated by the breach of a condition-subsequent, if the condition is broken it is necessary that the grantor or person authorized to take advantage of it should either enter or do some other act equally effectual in order to divest the estate; but that where an estate is granted by a legislative act, subject to forfeiture by the happening of some future event, if the event occur no act is necessary to be done in order to re-vest the estate in the Government, it re-vesting immediately upon the happening of the contingency. (*Kennedy vs. McCartney*, 4 Port., 157; see also *Gill vs. Taylor*, 3 Port., 185; *University of Alabama vs. Winston*, 5 Stew. and Port., 25 *et seq.*; *Rogers vs. Rawlings*, 8 Port., 325; *Crommelin vs. Minter*, 9 Ala., 592; 2 Wash. on Real Prop., par. 24, p. 524.)

Congress has also employed language in reference to a conditional land grant similar to the one under consideration, which apparently favors the view expressed in the latter clause of the preceding paragraph. In the first section of the act of July 23, 1866,

(14 Stat. at L., 338,) reviving the grant made to the States of Arkansas and Missouri by the act of February 9, 1853, (10 Stat. at L., 155,) to aid in the construction of a certain railroad, it is provided that "all the lands therein granted which reverted to the United States under the provisions of said act" of 1853 shall be "subject to the uses and trusts in all respects as they were before and at the time such reversion took effect."

The period limited for the completion of the road just referred to had expired in 1863, and the condition of the grant was then unfulfilled.

Nothing appears to have been done by the Government to defeat the title of the grantees between that time and the passage of the act of 1866, and yet in this act Congress obviously assumes that the United States has already become re-invested with the title of the lands. Indeed, the mere passing of the act reviving the former grant would seem to proceed on the supposition that the title or interest imparted by such grant had previously ceased to exist. Other instances in which Congress has revived grants of the same character are found in the acts of April 10, 1869, and March 3, 1871, (16 Stat. at L., 45, 580,) renewing certain grants to the State of Alabama. These acts, together with the act of 1866, in which the language quoted above is used, certainly look as if Congress at the time of their enactment regarded the *reversion* of the lands to the United States, under the conditions in the grants therein referred to, as having actually taken place upon the non-fulfillment of the condition simply.

On the other hand, there is authority favoring the opposite view, namely, that in a legislative grant of lands upon condition-subsequent, similar to the conditions just mentioned, the lands do not *ipso facto* revert in the Government by the mere default in the condition, but that some act on the part of the Government manifesting an intention to take advantage of the default is essential to the defeat of the title of the grantee. I refer to the recent case of *Schulenburg et al. vs. Harriman*, reported in 2 Dillon, 398. This authority is entitled to great weight here by reason of the eminence of the judges who gave the opinion, and also from the circumstance that the opinion was given in a case involving the construction of the very grant now under examination.

The case just cited was an action of replevin to recover a quantity of saw-logs, which was originally brought in the district court of the first judicial district of the State of Minnesota, in 1871, and afterward removed to the circuit court of the United States for the district of Minnesota.

The logs had been cut by the plaintiffs during the logging season of 1870-'71, upon odd sections of the lands granted by Congress to the State of Wisconsin by the aforesaid act of June 3, 1856, to aid in the construction of a railroad from Saint Croix River or Lake to Lake Superior and to Bayfield; but they had been subsequently seized by, and at the time of bringing the suit were still in possession of, the defendant, an agent of the State of Wisconsin, as the property of that State. It was admitted on the trial that no part of said railroad had ever been constructed; and the plaintiffs, among other things, claimed that the title to the lands on which the logs were cut had previous to the cutting reverted to the United States by reason of the failure to complete the road within the time limited, which expired on the 5th of May, 1869.

The court, however, ruled "that the lands had not reverted to the United States, there having been no judicial proceeding, no act of Congress, and no other act of the General Government to take advantage of the failure to build the railroad or to declare the forfeiture." Moreover, Congress has, in three instances that have come under my notice, passed acts declaring forfeited lands which had been granted for similar purposes and upon similar conditions to the above, long after the happening of a default in the condition of the grant; and this legislation *seemingly* rests on the assumption that such default did not *ipso facto* determine the title of the grantee to the lands. The first of these is the act of July 14, 1870, entitled "An act to declare forfeited to the United States certain lands granted to the State of Louisiana to aid in constructing a railroad therein," (16 Stat. at L., 277.) The next is the act of April 15, 1874, entitled "An act to forfeit to the United States certain lands granted to the Placerville and Sacramento Valley Railroad Company to aid in constructing a railroad from the town of Folsom to the town of Placerville, in the State of California;" and the third is the act of June 15, 1874, entitled "An act to forfeit certain public lands granted to the Stockton and Copperopolis Railroad, in the State of California." Still in all of these acts the grants referred to are stated to have "expired by limitation," from which it might be inferred that Congress at least regarded those grants as having *ipso facto* determined by the default in the conditions contained therein, for the language in the acts expressing that the grants had "expired by limitation" obviously means that they had terminated by the failure to build the roads within the time fixed in the conditions; or, in other words, by the non-fulfillment of the conditions.

The view advanced in the case last referred to (the case in 2 Dillon, *supra*) seems to be founded on the doctrine of conditions at the common law, according to which, where an estate was granted upon a condition-subsequent, the breach of the condition did not *ipso facto* revert the estate in the grantor, but only gave him a right to resume it, which might be enforced or waived, at his election. Hence, if he wanted to take advantage of the breach, it was necessary that some act should be done by him manifesting his

intention to resume the estate; and the act required in such case was an entry, or what in law was equivalent thereto. No estate of freehold could be created at the common law without livery, and the rule was that where an estate began by livery it could only be avoided by some act *in pais* of equal notoriety. An entry was consequently necessary to determine an estate of freehold for condition broken, even when the estate was to become absolutely void on breach; because, whatever might be the terms of the condition, the grantor had nothing until entry made. It was also a rule that where an entry was necessary in the case of a common person an "inquest of office" was necessary in the case of the Crown. But this rule does not appear to have been deemed applicable to cases where the Crown became entitled to resume lands granted by the British colonial authorities on condition subsequent in consequence of the failure of the grantees to perform the conditions. The proper manner of making such resumption, as it seems from high authority, was simply by making new grants to such as were willing to accept them. (See a joint opinion given by the attorney and solicitor generals, Sir Dudley Ryder and Sir William Murray, afterward Lord Mansfield, in Forsyth's "Cases and Opinions on Court Law," p. 145.)

Inquest of office, or "office," as it is sometimes termed, was an inquiry made, through the medium of a jury, by the sheriff, coroner, or escheator, *virtute officii*, or by writ to them sent for that purpose, or by commissioners especially appointed, concerning any matter that entitled the Crown to the possession of lands or tenements, goods or chattels. It was of two kinds, one of which was an office of *entitling*. This was to vest the estate and possession of land, &c., in the King where he had only right or title before, and the other was an office of *instruction*. This took place where the estate of the land, &c., was lawfully in the King before, but the particularity of the land, &c., did not appear of record, the object being to instruct the King of the certainty of the land, so that it might be put in charge. (See Vin. Abr., vol. 16, p. 79.)

I am not aware of the existence of any law of the United States making provisions for inquests or offices of this sort; and in the absence of such law there is manifestly much stronger ground for holding the aforesaid rule of the common law as to the necessity of an office to be inapplicable to cases where the Government becomes entitled to resume lands granted by Congress on condition for default in the condition, than there was in considering it inapplicable to the cases on which the opinion just cited was given.

It seems to me, however, that there is a very great difference between a legislative grant of a freehold estate upon condition-subsequent and a grant of such an estate by an individual upon a similar condition, where the doctrines of the common law prevail. In the latter case, the condition in the grant cannot be made to operate otherwise than in subordination to the rules of the common law; and hence, even though it were to provide in positive terms that the estate should be absolutely void and cease on breach, yet the estate would nevertheless be voidable only, and would continue in the grantee after the breach until defeated by entry; whereas in the former case the condition in the grant can be made to operate contrary to and irrespective of the rules of the common law, if that should be thought expedient by the legislature. So that the question whether the breach of a condition-subsequent in a statutory grant voids the estate and at once reverts it in the Government, or whether the estate becomes merely voidable by the breach, as at common law, and continues thereafter in the grantee until it is in some legal mode resumed by the Government, is simply one of interpretation. If by the provision in such grant it plainly appears that the legislature intended that the estate should absolutely determine upon the breach of the condition, that intention must be deemed decisive of the question. Thus, where a forfeiture is given by statute, the period when the forfeiture vests depends entirely upon the construction of the statute, though at the common law a forfeiture does not vest in the Government until some legal step is taken for the assertion of its right, since the rules of the common law may be dispensed with by the legislature, and the thing forfeited may either vest immediately or on the performance of some particular act, according to the legislative will. (See *United States vs. Grundy*, 3 Cranch, 351.) Now, with respect to the grant of lands to the State of Wisconsin, at present before me, when it is taken into consideration that those lands were granted (not for such uses and purposes in general as the State might choose to appropriate them to, but) for a specified object, namely, to aid in the construction of a certain railroad, and by the express terms of the grant were required to be disposed of by the State for that object exclusively; that they were, moreover, required to be disposed of only as the work progressed, under certain restrictions both as to the quantity and the location of the land to be sold; and that upon the happening of a certain contingency (*viz*, the non-completion of the road within a stated period) the power of the State to make any disposition of such of the lands as then remained undisposed of was to cease, thus, up to this point, leaving in the State but a naked title thereto, stripped of all right of alienating the lands or of appropriating them to any use or purpose whatever; when these features of the grant (and especially the latter) are considered, it could hardly be regarded as a forced construction of the further provision contained in the grant, which in substance declares that, upon the

happening of the same contingency above mentioned, the lands then remaining unsold shall also revert to the grantor. I repeat, it could hardly be regarded as a forced construction of such provision to hold that it operated *per se* to put an end to the title of the State to the unsold lands immediately upon the happening of said contingency and to re-vest these lands in the United States. For it may have occurred to Congress that, after the power of the State to dispose of or appropriate the land to any use or purpose once ceased, neither the interests of the State nor those of the United States would be subserved by a continuance of the naked title in the former; and, thus viewing the matter, it would seem to be quite natural for Congress to provide—and the terms actually employed in the grant are not inconsistent with an intention so to provide—that when *that power* determined, the *title* of the State should also determine, and the land thereupon become re-vested in the United States, without any further action on the part of the latter. The clause in the grant providing for a conditional determination of the power of the State to dispose of the land, and also for a conditional determination of the title of the State to the land, reads: "If said roads are not completed within ten years, no further sales shall be made, and the land unsold shall revert to the United States." As the *determination* in both cases is there made to depend upon the same contingency, in terms of exactly the same import (grammatically considered) in regard to the *time* of its accomplishment, the inference might fairly be drawn that it was intended to transpire and become completed in both cases at the same moment. And here I may again refer to the opinion of the court in *Rice vs. Railroad Company*, cited above, where, in the sentence immediately following the remarks hereinbefore quoted therefrom, will be found language which, taken in connection with these remarks, would seem to support this view. It is very clear that, under the above construction of the provisions for a conditional re-vesting of the lands in the United States, the lands unsold at the time of the default in the condition must necessarily be considered as having *then* become re-united to the public domain and subject to the laws relating thereto.

But assuming, as I do for present purposes, that the interpretation of that provision given by the court in the above cited case of *Schulenburg vs. Harriman*, (viz, that by such provision the lands did not, in the mere fault in the condition, *ipso facto* revert to the Government, but that some act on the part of the latter showing an intention to take advantage of the default was also necessary to effect that result,) is correct, the inquiry now presents itself as to the nature of the act required on the part of the Government to resume the lands.

In that case the decision of the court that the lands had not reverted is put on the ground (to state it in the language of the court) of "there having been no judicial proceeding, no act of Congress, and *no other act* of the General Government to take advantage of the failure to build the railroad or to declare the forfeiture." The "other act" here referred to would seem to be an act proceeding from some department of the Government besides either the judicial or the legislative department, inasmuch as both judicial and legislative action are already enumerated by the court; and as there is but one other department, the executive, it may therefore be understood to be an act of the latter, so that, by fair implication from the language used by the court, an executive act would appear to have been regarded by it as sufficient to take advantage of the non-fulfillment of the condition for the purpose of re-vesting the lands in the Government.

The doctrine of the court apparently is that, as between the State of Wisconsin and the claimant of the logs cut upon the lands granted to the former by the United States, though the condition on which the grant was made had failed prior to the cutting of the logs, yet, as the United States had never taken any steps, through either its judicial, legislative, or executive departments, to resume the lands, the title thereto must be deemed to remain still in the State. Accordingly, the information received by you, (to which reference is made in your communication,) to the effect that the court in that case held that the breach of the condition could be taken advantage of and the lands be resumed by act of Congress *only*, does not seem to be well founded.

We have seen that in the grant under consideration Congress has declared that certain of the lands thereby granted should revert to the Government in a certain contingency. As this provision contains nothing indicative of a contrary intention, there is certainly strong ground for the presumption that it was intended to be of *itself* efficient for the accomplishment of what is expressed therein, without being supplemented by further legislative action directed to the same end; and, furthermore, that the will of Congress thereby declared was meant to be carried out in this as in other cases, (the duty being purely administrative in its character,) through the executive branch of the Government, with the aid of the judiciary when the intervention of the latter should become necessary. But I do not perceive that any necessity exists here for recourse to such aid. At common law an act *in pais* was sufficient to resume an estate forfeited for conditions broken; it was not required to have the forfeiture first judicially ascertained. So, in the present case, the lands may be resumed, as it seems to me, by any appropriate action on the part of the executive branch of the Government,

without previously obtaining a judicial declaration of forfeiture; and I think that an order issued by your Department restoring the lands to settlement and to market would be a proper mode of resuming them, and adequate for the purpose. That it is competent to your Department to issue such order I entertain no doubt.

The following is a *résumé* of the general conclusions at which I have arrived touching the subject submitted:

1. The operation of conditions-subsequent in congressional grants of public lands does not depend upon the rules of the common law applicable to such conditions, but upon the intention of Congress, as gathered from the language employed in the grant itself.

2. Hence, whether the non-fulfillment of the condition in the Wisconsin land grant act of June 3, 1856, (*viz*, that if the road is not completed within a certain period, so much of the granted lands as might then remain unsold by the State should revert to the United States,) *ipso facto* avoids the title of the State to the unsold lands and re-vests the same in the United States, or whether it merely renders such title voidable and liable to be defeated thereafter when the United States by some act manifest their desire to resume the lands, is purely a question of statutory interpretation.

3. Looking at the whole of that act, and taking into consideration the peculiar features of the grant contained therein, the particular provision in which the aforesaid condition is found may reasonably be construed to have the effect, *proprio vigore*, of avoiding the title of the State and of re-uniting the unsold lands to the public domain of the United States immediately upon the non-fulfillment of the condition.

4. Yet assuming (as is done here for the purposes of this case) the correct construction of such a provision to be that the lands do not, by the non-fulfillment of the condition, *ipso facto* revert to the United States, but that some action on the part of the latter showing an intention to take advantage of the default is necessary *besides*, in order to re-vest the lands therein, an act of the executive branch of the Government would seem to be sufficient for the accomplishment of that result.

5. Such an order may consist simply in the promulgation of an order restoring the lands to settlement and to market, which order it is competent to the Secretary of the Interior to issue.

I may add that the view last expressed appears to furnish an answer to the question propounded by you in terms so direct and explicit as to render a more formal one from me unnecessary.

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

GEO. H. WILLIAMS,  
*Attorney General.*

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

### 30.—SWAMP AND OVERFLOWED LANDS.

Under the acts of Congress granting swamp and overflowed lands to the States in which they are situated, 62,906,984.56 acres have been selected and reported to this Office. Of these selections, 8,242,623.01 acres have been approved under the act of 1849, such approval having the force and effect of a patent; and 38,742,924.19 acres have been approved and patented under the act of 1850.

In addition to the lands in place approved and patented as above, 393,180.09 acres have been selected and patented, pursuant to the provisions of the act of March 2, 1855, as indemnity for swamp lands entered with warrants and scrip, making an aggregate of 47,378,727.29 acres approved and patented as swamp and indemnity lands.

During the past fiscal year there were 202,187.91 acres formally approved as swamp and overflowed lands, and 165,337.09 acres patented as such.

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

S. S. BURDETT,  
*Commissioner.*

The Hon. SECRETARY OF THE INTERIOR.

## 31.—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.....	T. B. Searight.
District of Idaho, Boise City, Idaho.....	L. F. Cartee.
District of California, San Francisco, Cal.....	James T. Stratton.
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.....	Ben. Simpson.
District of Washington Territory, Olympia, Wash.....	William McMicken.
District of Nebraska, Plattsmouth, Nebr.....	E. E. Cunningham.
District of Montana, Helena, Mont.....	A. J. Smith.
District of Utah, Salt Lake City, Utah.....	Nathan Kimball.
District of Arizona, Tucson, Ariz.....	John Wasson.
District of Florida, Tallahassee, Fla.....	Joshua W. Gilbert.
District of Louisiana, New Orleans, La.....	O. H. Brewster.
District of Wyoming, Cheyenne, Wyo.....	Silas Reed.

## 32.—UNITED STATES LAND OFFICES.

OHIO.	ARKANSAS.	WASHINGTON TERRITORY.
Chillicothe.	Dardanelle.	Olympia.
	Little Rock.	Vancouver.
INDIANA.	Camden.	Walla-Walla.
Indianapolis.	Harrison.	
		MINNESOTA.
ILLINOIS.		Taylor's Falls.
Springfield.	FLORIDA.	Saint Cloud.
	Gainesville.	Du Luth.
MISSOURI.		Alexandria.
Boonville.	IOWA.	Worthington.
Ironton.	Fort Des Moines.	New Ulm.
Springfield.	Sioux City.	Litchfield.
		Redwood Falls.
ALABAMA.	WISCONSIN.	Detroit.
Mobile.	Menasha.	
Huntsville.	Falls Saint Croix.	OREGON.
Montgomery.	Wausau.	Oregon City.
	La Crosse.	Roseburgh.
MISSISSIPPI.	Bayfield.	Le Grande.
Jackson.	Eau Claire.	Linkville.
		KANSAS.
LOUISIANA.	CALIFORNIA.	Topeka.
New Orleans.	San Francisco.	Salina.
Natchitoches.	Marysville.	Independence.
Monroe.	Humboldt.	Wichita.
	Stockton.	Concordia.
MICHIGAN.	Visalia.	Cawker City.
Detroit.	Sacramento.	Larned.
East Saginaw.	Los Angeles.	Hays City.
Ionia.	Shasta.	
Marquette.	Susanville.	NEBRASKA.
Traverse City.	Independence.	Norfolk.
		Beatrice.
	NEVADA.	Lincoln.
	Carson City.	
	Eureka.	
	Pioche.	
	Elko.	

*United States Land Offices—Continued.*

NEBRASKA—Continued.	COLORADO TERRITORY.	ARIZONA TERRITORY.
{ Dakota City.	Pueblo.	Prescott.
Grand Island.	Denver City.	Florence.
{ North Platte.	Fair Play.	
{ Bloomington.	Central City.	
NEW MEXICO TERRITORY.	Del Norte.	
Santa Fé.	IDAHO TERRITORY.	UTAH TERRITORY.
La Mesilla.		
DAKOTA TERRITORY.	Boise City.	Salt Lake City.
Vermillion.	Lewiston.	
Springfield.	MONTANA TERRITORY.	WYOMING TERRITORY.
Fargo.	Helena.	
Yankton.	Bozeman.	Cheyenne.
Bismarck.		

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

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
*New Orleans, September 1, 1874.*

SIR: I have the honor to submit in duplicate the annual report of this surveying district for the fiscal year ending June 30, 1874, accompanied with the following tabular statements, designated thus, to wit:

A.—Statement of contracts and instructions by the surveyor-general of Louisiana, on account of appropriations, for the years ending June 30, 1872, and June 30, 1873.

B.—Statement of surveying contracts entered into by the surveyor-general of Louisiana, on account of special deposits, for the year ending June 30, 1874.

C.—List of contracts now in force, to be paid from the appropriation for the year ending June 30, 1874.

D.—Estimate of funds for surveying in Louisiana, for salary of the surveyor-general and his clerks, and for contingent expenses in his office, for the year ending June 30, 1876.

E.—Surveys and re-surveys proposed to be made in Louisiana during the year ending June 30, 1876.

These exhibits show the progress of the public surveys in this district for the time covered by this report, the present condition of the field-work, and the contracts unfinished and now being performed, and set forth the disbursements made under the appropriations for surveys and clerk-hire; also, exhibiting the surveys to be made during the next fiscal year, and the proper estimates for the same.

In relation to the unfinished field-work and office-work, I can but repeat the suggestions of one of my predecessors, to be found on page 58 in the annual report for 1873.

It is impossible to bring up the unfinished office-work with the present reduced force at my disposal; indeed, there are some branches of it which must remain neglected for the time being. I refer to the preparation of the triplicate patent plats of confirmed private land-claims, preliminary to the issue of patents under the special acts confirming the claims, or the general act of 22d December, 1854. There are 6,160 claims entitled to patents, and which cannot be patented until such plats are made and transmitted; yet I am unable to make any progress with this work, which has so long been in arrears.

I will again call attention also to the long-suspended work upon the transcript of the field-notes of about 780 townships, so long in arrear. This work should be brought up, and I should have at least twelve good clerks to resume this long-neglected work.

## SURVEYS OF SHALLOW LAKES.

There are many shallow lakes, principally in the northern and northwestern parts of the State, which have not been surveyed, the lands bordering on which have been disposed of by the United States.

With the lapse of time, draining of rivers and bayous, and from other natural and artificial causes, many of these lakes are yearly becoming dry land, and as the beds of them, always shallow, are very rich, they become at once a subject of interest and sometimes rivalry and contention among the riparian proprietors. But as these proprietors own by lines not run with reference to frontage on such lakes, and as the beds of the lakes themselves have not been surveyed, it is difficult for them to arrive at any mode of ad-



justment of their rival pretensions. To settle these conflicting interests it is recommended that discretion be given to this office to subdivide such lakes as require it, on the application of a majority in interest of the riparian proprietors, in order that they might acquire such portions as they seek.

#### RESTORATION OF THE PUBLIC LANDS TO MARKET.

There is no doubt that the homestead act of 21st June, 1866, excluding the public lands in the States of Florida, Mississippi, Alabama, Louisiana, and Arkansas from any other mode of disposition than under its peculiar provisions, is unwise, injurious to the States affected and to the interests of the General Government, and should be modified.

The law is especially open to these objections in this State. I cannot better explain my views than by referring to the just remarks of one of my predecessors, the Hon. John Lynch, in his report for 1870, and contained in the annual report for that year, p. 334. Since that date, however, the lapse of time has justified the opinions then expressed, and afforded the most conclusive evidence of the inutility of the law as a mode of colonizing the public domain with *bona-fide* settlers, or even of making any considerable disposition of it. The act went into effect in this State soon after its passage, and from the records of the United States Consolidated Land-Office in this city (embracing about half the State in point of area) it is clear that it has in no manner answered the object of its creators. Up to this time there have been 4,040 entries, and of this number 1,048 were made more than five years ago.

By law, the settler has the option at any time after five years from date of entry to make final proof and receive his final certificate, on which patent issues in due course; and this final proof is required to be made within two years thereafter, (that is, within seven years from date of entry,) or the entry will be forfeited. The seven years' limit has elapsed in 259 cases. Now there have been up to date only 65 cases in which final proof has been made and final certificates issued. So that of the 1,048 entries in which the settler *might* have made final proof, and of the 259 entries in which they were compelled by law to do it, they have only made it in 65.

With reference to the entries over five years old, not yet proved up, charity may suggest that within the seven years the settlers may yet prove their good faith, and indicate the policy and wisdom of the statute. But with reference to the 194 entries in which the seven years have expired, and no intention to comply with the law is manifest, and no proof filed to show there ever was such an intention, the bare facts and figures directly challenge any such presumption. Twenty-six entries have been commuted under the eighth section of the act of May 20, 1862; there have been relinquishments of 200 entries and cancellations of about 500.

From the foregoing it is apparent that of the 4,040 homestead entries in the consolidated land-office here, only 65 have been proved up, and received final certificates. If there be added to these 65 the 26 entries commuted as stated, there will be a total of only 91 entries out of the 4,040 which have ripened into title.

I am indebted for the above facts to the courtesy of the register and receiver of the consolidated land-office here, who entertain and express the same views. There are about 6,500,000 acres of surveyed public land in Louisiana now undisposed of and remaining the property of the Government.

If, therefore, every homestead entry in this State, (taking the results of the system as shown in the consolidated land-office in this city, as criteria of what has been done in the other two offices in the State,) should ultimate into grant and patent, the rate of disposition under the homestead act alone would be so slow that about eighty years would elapse before the general policy of the land system could be fulfilled, and the land-offices be closed in Louisiana. But when the fact is proven as the records themselves do, that only a small percentage of these entries will result in grant, then the rate of actual disposition becomes so slow that, as compared with the millions to be disposed of, it practically amounts to no disposition whatever. These objections only extend to the policy and wisdom of the law.

But in its real operations it is unjust to the State of Louisiana, and many of her best citizens, and amounts to a forfeiture of several descriptions of their property.

Anterior to the late war the State, through her constituted authorities, in order economically to reap the advantages of the grant of 500,000 acres, under the eighth section of the act of 4th September, 1841, caused warrants to be prepared and sold to her citizens, assigning to them in this mode her right to select the amount called for in each warrant, under the same limitations and regulations as the law and instructions imposed. The purchaser was thus constituted the agent of the State, and his locations with these "internal-improvement warrants," as they were called, were treated by the United States as selections by the State. The State pursued the same course in utilizing the grant of indemnity school lands, under the act of 20th of May, 1826, causing what are known as "school-land warrants" to be likewise prepared and sold, thus transferring to the purchasers the right to locate the amount called for in each warrant.

These locations were also considered by the United States as selections by the State, and purchasers were regarded merely as its agents. As these internal-improvement

and school-land warrants were assignable under State law, and were under Federal law locatable upon unoffered lands of the United States within the State, they were readily sold by the State at remunerative rates, and in the hands of her vendees were often held before the war at prices varying from two to six dollars per acre. Their peculiar value consisted in the fact that proprietors of surveyed but unconfirmed private land-claims, on many of which old and valuable plantations had immemorially existed, could at any time protect themselves by the location of such warrants. It may be a judicial question whether the homestead act referred to, inhibiting in Louisiana all the former modes of disposing of the domain, could be construed to defeat grants made to the State in 1826 and 1841. But, in practice, these grants are defeated by the statute.

I have no means of knowing the number and amount of these internal-improvement and school-land warrants still outstanding and unsatisfied. But those who hold them cannot dispose of them at any price, and the land-officers in the State consider that the homestead act forbids them to allow their location. Their action seems to be justified by the opinion of the Hon. J. D. Cox, when Secretary of the Interior, communicated to the Bureau, under date of 24th May, 1869, as published in Lester's Land Laws, part 2, p. 386. However beneficial may be the operations of the homestead acts in the new States and Territories, where large areas of rich virgin soil invite the cultivation and personal occupation of the thousands of poor and industrious emigrants who annually flock to those fine regions, there can be no doubt in an old State like Louisiana, receiving few emigrants, where the best lands are usually swamp, and therefore the property of the State, where the lands of the United States are mainly fit for grazing or for timber, that the acts, as they now stand, are not suited to the wants or circumstances of the people, but, on the contrary, are productive of many inconveniences and much demoralization. Few resort to the law for its *bona-fide* purposes. The intention too often is to conceal a defective title, obtain an advantage over some one else, or to get a footing on land in order to strip it of its timber.

It is not desired, nor is it the proper policy, to repeal the homestead acts, because they doubtless afford to many poor and honest laboring men, widows, and heads of families means of obtaining, through the generous bounty of the Government, a home and farm they may call their own, and which they might never otherwise obtain the means of acquiring. My recommendation is that those laws be modified so as to allow the disposition of the public lands, by sale, and location of scrip and warrant. Persons then who are anxious to acquire portions of the domain or cover defective titles would have their choice between some of the former methods and the homestead system, and thus avoid the temptation to take the oaths we have seen are so often violated.

I might submit many other objections to the law, but will only state two or three more which now occur to me, and then pass to other subjects.

Louisiana furnished a very large proportion of the soldiers who fought the war of 1812, the Mexican war of 1848, and the Florida, Creek, and Seminole wars. In recognition of their services the United States have issued to those soldiers, or to their widows, or minor heirs, bounty-land warrants in large numbers. But under the homestead act these persons are forbidden to locate these warrants in their own State, (the State they fought for so heroically when they humbled the British under Jackson,) and are constrained to journey to the Western States or Territories, there to obtain the Government bounty, or else to sacrifice their warrants by selling to speculators.

Again, under the third section of the act of June 2, 1858, this office has issued, and must issue, large quantities of claim-scrip locatable upon offered minimum lands. And under section 6 of the act of June 22, 1860, (revived by the act of June 10, 1872,) the Bureau has issued, and must issue, large quantities of similar scrip, in pursuance of confirmations obtained according to the provisions of the act. But under the homestead acts as they now stand on the statute-book, the holders of neither class of this scrip can locate lands with it in Louisiana; but must, like the holders of military warrants, go to the far West, or, like them again, sacrifice their property by selling to speculators.

The facts that the mother claims were situated in this State, and that the Government still owns about 6,500,000 acres here, render such exclusion particularly inequitable and inexplicable.

The act of 21st June, 1866, makes an invidious, if not an odious, distinction against the States and people named in it. It is hence the cause of many just complaints by the citizens, and in some degree an element of ill-feeling and jealousy.

Justice, good policy, and the general welfare demand its modification, so that the public lands in the Southern States may be placed upon an equal footing in every respect with the public domain in the other States and Territories.

#### EXPIRATION OF THE ACT OF 22D JUNE, 1860.

Before the next annual report from this office, the important act of 22d June, 1860, revived and amended by the act of 10th June, 1872, will have expired its third time. As it has been twice re-enacted, and as the class of persons intended to be benefited

have had ample time to proceed under its provisions, the probability is it will not be again revived.

Ever since the province of Louisiana was acquired from France by the treaty of 30th April, 1803, the United States have earnestly and patiently sought, by every proper expedient, to induce persons claiming property in lands by virtue of grant, concession, order of survey, permission to settle, or any other authority whatsoever, derived from former sovereigns, to make known their claims to the new government in order that their lands might be distinguished from the mass of the vacant domain which had vested in that new government by the treaty, and which policy and necessity demanded should be surveyed, brought into market, and speedily sold to re-imburse the price paid by the United States for the province. In practically carrying out this obvious and just design many acts were passed, beginning with that of March 2, 1805, and finally ending with the act now under consideration. They are very numerous, and for the most part have long since been repealed, have expired by limitation, or have become obsolete; some of them applied only to particular districts, others to the whole State; some were of short duration, others were more extended, while others still revived, re-enacted, explained or modified those preceding; some provided boards of commissioners with deputy commissioners, before whom the claims were to be presented, while others, and the larger number, made the registers and receivers for the established land-districts *ex-officio* commissioners for receiving and reporting on the claims; some conferred ample, others limited, powers upon the commissioners, and all denounced severe penalties from time to time against those who failed to present their claims. The old inhabitants, many of them ignorant of the laws, land system, and policy of the new sovereign, and often ignorant, too, of the very language in which it was sought to acquaint them with the changed condition of affairs, manifested reluctance in coming forward, exhibiting, recording, and proving titles they and their ancestors had held under immemorably, paying the recording and other fees, and in general complying with the unusual, yet necessary, requirements of the law. In the previous changes of sovereignty in the province, nothing of the kind had ever been required of them, and they had remained unmolested, and in peaceable possession of their estates by each succeeding sovereign.

They remembered, or knew the fact, that when, in 1762, the ancient province of Louisiana was dismembered and their portion was ceded by France to Spain, no requirements whatever were imposed upon them in reference to their lands or titles; but that, on the contrary, the only part of the secret proceedings by which they were handed from one master to another which was revealed to them, was the assurance, in the very words of their King, "that they may be confirmed in the ownership of their property according to the grants which may have been made to them by the governors and ordonateurs of the colony, and that the said grants be considered, reported, and confirmed by His Catholic Majesty, although they might not have been confirmed by me." (White's Recap., 2, 536.)

They remembered, too, the then very recent transfer of themselves and country from Spain to their former sovereign, the King of France, by the treaty of San Ildefonso of October 1, 1800, in which no duty or requirement had been imposed upon them in relation to their estates; but that, on the contrary, they had been publicly assured by De Casacalro and Salcedo, when, as commissioners of the King of Spain, they redelivered the province to France, "that the inhabitants should be maintained and protected in the peaceful possession of their property; that all grants and property of whatever description derived from the governors of these provinces should be confirmed to them, although not confirmed by His Majesty." (Ibid., p. 194.)

With such precedents and traditions, and with the plain obligations of the treaty of 30th April, 1803, protecting them, ignorant as they were of the necessity which required prompt obedience to the law, viz, that the new sovereign might reverse the policy of every other former sovereign, and sell the domain for profit, we cannot wonder that so many of the old inhabitants stood upon their ancient possessions, their complete titles which had never been questioned, their treaty guarantees which were too plain for doubt, and refused to undergo the expense and trouble of filing and recording their titles with the boards of commissioners. There was no remedy for the evil, and its results have embarrassed the General Land-Office in the survey and sale of the domain in this State, from their incipency to this day. The Federal statutes have uniformly refused to give to private land-claims originating with previous sovereigns of the soil, any standing in the Federal courts or Executive Departments, and particularly in the Land Department, until they have been, in some of the modes provided by law, submitted to the United States and by them confirmed, relinquished, or in some mode recognized and established as legal titles.

The records of this office, and particularly the township maps, represent about 288 claims of various grades which *prima facie* are not thus recognized, and which are commonly known as "unconfirmed claims," being usually distinguished on the maps from confirmed claims by words in red ink marked across their face, "no confirmation found."

These 288 claims cover an aggregate of about 80,000 acres. They have been surveyed and represented on the maps from the earliest surveying operations, not in recognition of their validity, but in order to show their areas and situation, in case of subsequent confirmation, and for the information of the Department.

They form links in the regular Spanish or French surveys, and show very clearly from their conformity with the uniform rules relative to the calls for either distances, front, depth, quantity, and other calls of the confirmed adjacent titles, that the original locations were by due authority.

They are found, too, situated like most of the private claims in the State, fronting the streams, lakes, and bayous, and occupying the most valuable lands. At the time the confirmed grants were made, and these were supposed to have been made, no one would petition for or receive any but the best lands, usually situated on navigable streams or lakes, or near the towns and villages. Thus it happens that these unconfirmed claims are as valuable, in point of soil and other natural advantages, as those confirmed, and upon examination, are found to be as commonly the cultivated and highly-prized homes of *bona-fide* owners as any other land in the State. It is cruel folly to try to alarm such people about such land, and teach them the stern necessity of expensive and tedious proceedings in the United States courts or before United States land-commissioners, in order to have their titles to their homes secured against the entry of the speculator or the homestead-settlement of the emigrant. They point you to their often unbroken chains of title extending back to the days of the Spanish, and even the French dominion, or appeal to their ancestors and their own quiet and undisputed possession extending back perhaps a century, and they cannot be persuaded that a just and free government, which is giving away its lands by millions annually, will rob them of their homes to give them to others. It may be said the law has been very liberal; that every title of any merit brought to the notice of the Government has been confirmed; that, finally, the courts themselves have been thrown open by the act of 1860, and equitable powers given in order that titles possessing the slightest merit might be protected; that it is time now to take action by the surveying and land department, and bring this long-pending and vexatious subject to a close, and that it is fair to presume, after so great a lapse of time, and so many opportunities neglected, that the claimants really have no titles, and never had any, or else they would have exhibited them, and secured their confirmation by the Government. But there are a great many answers to these reflections.

The Supreme Court of the United States in *Soulard vs. The United States*, (4 Pet., 511;) *Delassus vs. United States*, (9 Pet., 117;) *Choteau's Heirs vs. The United States*, (9 Pet., 137,) and in other cases, early decided that all property of whatever nature was protected by the treaty of 1803, and that no principle was better settled than that inchoate titles to land were property. The court went so far as to say, such titles and such property would have been equally sacred in a republican form of Government under the laws of nations, without any treaty stipulations.

With this language addressed to them by the highest tribunal known to the law, on the one side, and the legislature on the other, denouncing the penalties of nullity and exclusion from the courts, as the consequence of failure to file and record the same titles, can it be surprising that many hesitated, procrastinated, and finally as time wore on with its mortality, loss of papers, transfers of ownership, and other mutations, that they finally failed to take any action? The later acts have provided mainly for suits in the United States district court for confirmation of these titles, but claimants had to come, with their attorneys and witnesses, from every part of the State to this city, where alone the sessions of the district court are held, and this at much expense, and in instituting suit had to prepare for conducting it also before the Supreme Court at Washington, as the act requires every case to go there for final decision, if the court below decides for the claimant. And even in the event of final success before the Supreme Court, the law did not allow costs. The claimant must pay them and his attorney's fees, whether successful or not. The poverty, too, of many of the claimants and their indisposition to sustain outlays for lands yearly becoming less valuable, have doubtless frequently rendered them lukewarm. But the leading and principal cause is to be found in the fact that many of the occupants of the unconfirmed claims are not aware of the law under which they might proceed, now so rapidly drawing to its close, or else, and which is far more universally true, they are in total ignorance of the fact that their lands are shown upon our records as unconfirmed claims. Their ignorance on the latter head can produce no wonder.

The question of confirmation in particular cases is one of the nicest legal nature, requiring close examination of the records of this and the land-offices by persons possessing skillful and technical knowledge in land law aided by the judgment of land-lawyers in construing the various statutes bearing on the subject. Some claims which had always been treated by this office, the land-offices, and the Department as unconfirmed, and so shown upon the township maps, have by such examinations been found to be confirmed, and patents have issued; and the inference is just, that similar searches might reveal a few other confirmations not now supposed to exist. That

these claims are regarded as unconfirmed by the United States is a fact that very few land-owners have ever become acquainted with. It is known to this office that many of the most intelligent and wealthy of our citizens are totally ignorant of the fact that their plantations and homes are on lands marked on our records "no confirmation found."

These claims have always held an anomalous attitude on our records and before the Executive Department, and even in the courts their status has been unfixed and varying—the State courts at times deciding, in local contests, that the treaty protects them, and presuming a grant from ancient, undisturbed possession; and the Federal courts, on the other hand, holding that before they are cognizable some confirmation or acknowledgment by the new sovereign must be shown. They have neither consistently and strictly been treated by this office or the local land-offices as public land, and subdivided and sold as such, nor have they been, on the other hand, treated as private property and respected as such.

Before the war the occupants of them were permitted in many cases to cover them with State internal-improvement or school warrants, thus securing through the State the Federal title. Never having been offered as public land, strictly, they could not employ cash or military land-warrants for this purpose. Since the war, and in consequence of the homestead-act abolishing the old modes of entry and location of the public land, this expensive and tedious mode of protecting themselves has been denied the owners of these claims, and they are now left to the inadequate relief provided by that law alone.

In the mean time they are a prey on which designing men seek to operate by making homestead applications, frequently taking in their most valuable improvements.

The requirements of your instructions to the land-offices of August 5, 1870, the necessity of deposits and surveys at their own expense before entries can be allowed in most cases, and particularly the general impression that the act of 22d June, 1860, protects these claims until its expiration, have almost entirely suspended this class of homestead applications. But with the final expiration of the act on the 10th of June next, there will probably be a revival of them, and then the duties which may devolve on this office will be onerous in the extreme.

Under the act of May 30, 1862, section 10, and amendments, this office will be required to send deputies to subdivide these claims upon the application of every person making the required deposit, and intending to make settlement and claim the same under the homestead-act. If this were done in many cases it would produce great ill-feeling, and might result in opposition to the deputies, enforcing them while on duty in the field to seek the protection of the United States authorities, as is in such cases specially provided by law.

In the annual report of the Bureau for 1872, p. 69, it is contemplated, after the expiration of the act of 1860, to treat as public land all these claims not then sued on, or filed for confirmation before the commissioners, and this may foreshadow some prompt and practical measure. Compared with the large number of located unconfirmed claims in the State, so few have been sued on, or filed, that they amount to little, as an element of calculation.

The United States district attorney states that only ten claims have been put in suit, and the register and receiver of the consolidated land-office here (commissioners under the act before whom the claims may be filed, if not sued on in the district court) say that only eleven claims have been filed before them. Reference is here made only to the unconfirmed claims *located* and held in possession by the claimants.

It may thus be seen how few claims will be taken out of the category of public lands by the time the act finally expires, or in other words, how many the Department will have to deal with as public lands. With proper respect for the opinions of my predecessors, and all who have tried to solve this perplexing problem, with a regard for the rights and dignity of the Government, as well as the feelings and peculiar interests of my fellow-citizens, I submit that there is but one simple, complete, and practicable remedy for the evil. A short, simple act should be passed by Congress, whose preamble should recite the anomalous necessity demanding it, at once and forever relinquishing all title of the United States in the particular tracts, to be specially enumerated in the act by their township and sectional designations, in favor of such persons as would, under the laws of Louisiana, be the true, legal, and equitable owners of such lands in the absence of any claim or title in the United States, enabling all persons who, under the laws of Louisiana, might maintain a prescriptive title to the lands in question, to plead such prescription against the United States, and all persons claiming under or through them. This act would procure good feeling and confidence, and cure defects in titles which have long embarrassed the land department of the Government.

There are only about 80,000 acres covered by these claims. If the United States, therefore, now sold their public lands for profit, as they formerly did, the value would be trifling as compared with the good to be attained. But when we see that the Government is giving her lands away to every foreign emigrant, or other person who will

ask for them, or to corporations, the proposed relinquishment commends itself to every just mind. And it becomes always a matter unworthy of argument, when we consider the past history of the Department with relation to these claims, and observe that public opinion, political or personal influence, or the appeals of natural justice have always separately or conjointly interfered with its action in carrying to its logical conclusion the legal hypothesis that they are public lands, and liable to disposition as such. It may be safely said that the Government cannot, in practice, make any disposition of these lands. The influences above stated have never yet allowed sales of them. And the disposal of them now or in the future, under the homestead-acts, would meet with the same influences, and the homestead applicants in nearly every instance of actual settlement would be violently opposed. No act of Congress requiring action by the owners of these claims will reach the evil or advance the remedy.

The reasons for this have already been given as stated. Such laws have been extant, with a few short intermissions, since 1805. It is therefore again earnestly recommended as an effective, permanent, and just settlement of this whole perplexity, that Congress pass an act allowing all persons who might, under the laws of Louisiana, plead prescription in support of their titles to any of these lands, (specifying them in the act, by section, township, and range,) when called in question in any tribunal, State or Federal, to plead such prescription, with equal force and effect, against the paramount title of the United States.

In submitting this my first report, I can only offer the excuse, if any be necessary, of my brief tenure of office; but in it every effort has been exerted to exemplify its condition and requirements, that was consistent with its over-taxed current work.

Very respectfully, your obedient servant,

O. H. BREWSTER,  
*Surveyor-General, Louisiana.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

A.—Surveying contracts and instructions by the surveyor-general of Louisiana, on account of appropriations for the fiscal years ending June 30, 1872, and June 30, 1873, not reported completed in the statement of previous years.

FOR THE YEAR 1872.

Date of contracts or instructions.	Name of deputy.	Locality of work.	District.	Estimated liability.	Amount paid.	Remarks.
Instructions dated May 30, 1872.	S. P. Henry	Accounted for in previous rep't. T. 15 S., R. 8 W.	Southwestern.	\$250 00	\$10,718 99 137 22	Returned and approved; maps and notes transmitted.
	Total.			12,240 00	10,856 97 1,383 73	
	Appropriation (act of Congress, March 3, 1871).					
	Balance unexpended			12,240 00	3,240 00	

FOR THE YEAR 1873.

June 28, 1872, and instructions January 16, 1873.	P. A. Thibodeaux	Accounted for in previous rep't. T. 8 and 9 S., R. 2 W., T. 8 S., R. 1 W., and connections on Las Ormiges and La Naus granges.	Southwestern. Northwestern.	} \$2,800 00	621 45	Completed in southwestern district; T. 9 S., R. 2 W. under examination.
August 8, 1872	William H. Robinson	T. 9 S., R. 8 and 9 E.; T. 10 S., R. 7 and 8 E. T. 5 S., R. 2 E.; T. 6 S., R. 2 and 3 E.; T. 7 S., R. 4, 5, and 6 W.	Southeastern. Southwestern.			
August 28, 1872	W. H. R. Hagen	T. 11 S., R. 2 W., and T. 12 S., R. 1 and 2 W.	do	1,500 00	705 25	T. 12 S., R. 1 W. completed and approved; maps and notes transmitted.
July 30, 1872	John P. Parsons	Township boundaries; T. 8, 9, 10, and 11 S., R. 3, 4, 5, 6 and 7 W., and subdivision of T. 11 and 12 S., R. 8 W.	do	4,400 00	2,193 96	
	Total.			18,000 00	10,830 24 7,169 76	
	Appropriation (act of Congress approved June 10, 1872).					
	Balance unexpended			18,000 00	15,000 00	

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
New Orleans, September 1, 1874.

O. H. BREWSTER, Surveyor-General, Louisiana.

B.—Statement of surveying contracts entered into by the surveyor-general of Louisiana on account of special deposits for the fiscal year ending June 30, 1874.

Date of contract.	Name of deputy surveyor.	Locality of work.	Special deposit.	Name of depositor.	Cost of survey.	Cost of office work.	Amount refunded.	Remarks.
April 10, 1874, and instructions same date.	William J. McCulloch	Sec. 34, T. 11 S., R. 7 E., S. W. district.	\$100 00	Clete Provost	\$75 00	\$25 00	.....	Work completed, notes returned and examined ready for transmission.

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
New Orleans, September 1, 1874.

O. H. BREWSTER,  
Surveyor-General, Louisiana.

C.—List of contracts now in force to be paid from the appropriation of \$13,000, for the year ending June 30, 1874.

Date of contracts or instructions.	Name of deputy surveyor.	Locality of work.	District.	Estimated liability.	Amount paid.	Remarks.
July 24, 1873	William H. Robinson	T. 15 S., R. 24 E., and T. 16, Rs. 24 and 25 E.	Southeastern	\$1,500 00	.....	Field-work partially done. Contract extended to December 31, 1874.
Instructions of August 16, 1873.	George O. Elms	Examination of surveys in T. 3 S., R. 3 E.	Southwestern	.....	\$104 09	Work done and approved, and report transmitted.
October 23, 1873	W. H. R. Hangen	Ts. 13, 14, 15, 16, and 17 S., Rs. 1 and 2 W.	do	2,500 00	.....	Original surveys. Surveyor in the field.
December 10, 1873	John P. Parsons	T. 10 S., Rs. 2 and 3 W., and T. 11 S., Rs. 2 and 3 W.	do	3,000 00	.....	Work completed, notes returned, and now under examination.
June 20, 1874	George O. Elms	Ts. 9 and 10 S., R. 13 W., and Sabine useless reservation.	do	500 00	.....	Original survey of island in Sabine River; the surveys of military reservation creating a liability of \$500 is to be paid from the appropriation of \$20,000 for the survey of useless reservations.
Total	.....	.....	.....	.....	164 09	.....
Appropriation, (act of Congress March 3, 1873).	.....	.....	.....	18,000 00	17,835 91	.....
Balance unexpended applicable to the above contracts	.....	.....	.....	18,000 00	18,000 00	.....

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
New Orleans, September 1, 1874.

O. H. BREWSTER,  
Surveyor-General, Louisiana.



D.—*Estimate of funds to be appropriated for the fiscal year ending June 30, 1876, for surveying, in Louisiana, for compensation of the surveyor-general and his clerks, and for contingent expenses in his office.*

Proposed surveys and resurveys :	
To complete the survey of the State of Louisiana, at the rates not exceeding \$12 for township boundaries, and \$10 for all other lines per mile .....	\$10,000 00
To continue resurveys in the four districts other than the Greensburgh district, including the salary and expenses of a surveyor, to locate private land-claims, and to examine and correct old, erroneous, defective, and detached surveys .....	18,000 00
	\$28,000 00
Salaries :	
Surveyor-general .....	2,000 00
One chief clerk .....	1,800 00
One draughtsman .....	1,500 00
One clerk .....	1,200 00
One copyist .....	900 00
	5,400 00
Twelve extra clerks to prepare separate plats for the patenting of private claims, to transcribe field-notes for the General Land-Office, and to complete an exhibit of private land-claims .....	12,000 00
Contingent:	
For stationery, binding, postage, porter, messenger-hire, and other incidental expenses .....	3,000 00
	50,400 00

O. H. BREWSTER,  
*Surveyor-General, Louisiana.*

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
*New Orleans, September 1, 1874.*

E.—*Surveys and resurveys proposed to be made during the fiscal year ending June 30, 1876, 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 to cultivation in the marshy region lying between the line where public surveys were suspended and the gulf-coast. Estimated 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 southwestern 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 be surveyed, as the survey of 1807 and 1808, originally very defective and in many instances erroneous, has since become obliterated, and as the surveys west of said range 6, made from 1831 to 1842, are without connections with said old surveys, confusions by local surveyors 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 deputy surveyor to locate private land-claims and to examine and report upon said defective surveys .....	\$12,000 00

O. H. BREWSTER,  
*Surveyor-General, Louisiana.*

OFFICE OF SURVEYOR-GENERAL, DISTRICT OF LOUISIANA,  
*New Orleans, September 1, 1874.*

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

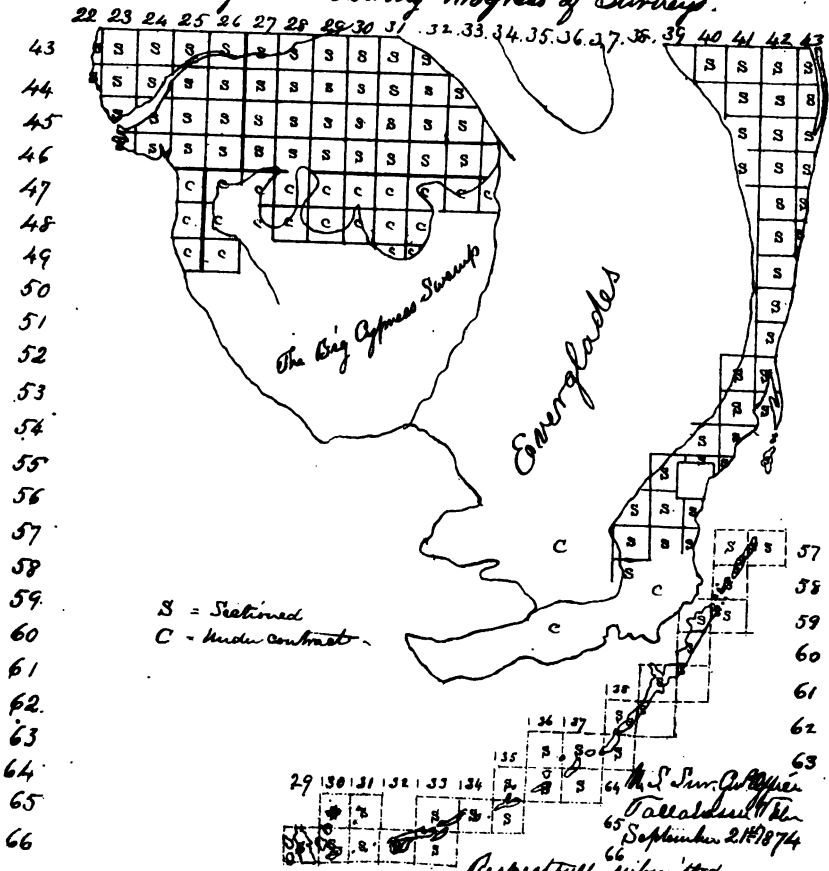
UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Tallahassee, Fla., September 21, 1874.*

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, 1874, together with tabular statements of the field and office work.



A

Diagram showing Progress of Survey.



S = Sectioned  
C = Under contract

The S. Sun. Co. Office  
Tallahassee Fla  
September 21st 1874

Respectfully submitted  
D. W. Gilbert  
Surveyor Genl

I have made during the said fiscal year two contracts with competent surveyors for the survey of the public lands, one contract for the resurvey of the three different Georgia and Florida boundary-lines, with the closures of the public-land surveys upon them, and one contract for the resurvey of the Hurlburt grant, being sections 51, 52, 53, township 6 south, range 29 east.

The first contract was made on the 1st day of October, with Timothy S. Stearns, and numbered 15. It was for the subdivision of that portion of Mr. Apthorp's township lying south of the correction-line, the south boundary of township 46 south, for the extension of the standard meridian southward, and for further townshiping and subdividing, provided that the survey should not exceed in the aggregate one thousand miles. The deputy returned his work on the 1st of July, 1874. It is now nearly ready to be forwarded. The country embraced in his survey is prairie and cypress swamp. He did not extend his work beyond the subdivision of Mr. Apthorp's township, he having reached the limit of his contract.

I next contracted, on the 13th of December, with Marcellus A. Williams, contract No. 16, for the extension of the surveys, both exterior and section lines, southward and westward from their then termination southeast of the Everglades; also for the survey of the islands in Charlotte Harbor, not to exceed five hundred miles.

Mr. Williams returned in due time from the field, reporting that he had accomplished his survey, except the islands. My limited clerical force being already fully occupied with the surveys of Smith and Stearns, which could not be completed for several months, the deputy asked permission to do the platting, &c., of his survey himself, which was granted. He informs me that he has it nearly ready. It will be subjected to a careful examination in this office before being approved.

Contract No. 17 I made on the 7th of January, with Charles F. Smith, for the re-tracing, remarking, and closing of the public surveys upon the three boundary-lines between this State and Georgia, known respectively as the "Watson," the "McNiel," and the "Orr and Witner," lines. This work was contracted in accordance with instruction received from the Commissioner, under date of November 26, 1873. The deputy has returned his work carried as far as the appropriation would allow. It is now in process of examination, &c., and will be forwarded as soon as practicable. The remainder of the work will be recontracted to him this fall.

On the 28th of February I contracted with Wm. Lee Apthorp for the resurvey of the three Hurlburt grants, in township 6 south, range 29 east, sections 51, 52, 53, on the application of Mr. P. J. Ryall, the purchaser of the middle tract, he representing and bringing proof satisfactory to me that the present survey, executed in 1834 by Henry Washington, is incorrect. The resurvey was made, at Mr. Ryall's cost, by Mr. Apthorp, according to the most trustworthy information obtained from old residents, and the position of the old buildings and fields, and the old boundary-ditches, and in closer agreement with the calls of the grants, than Washington's survey. The work was reported to the General Land-Office April 18. The action of the surveyor-general was, however, disapproved by the Commissioner, under date of July 14, 1874.

Contract No. 12, with Charles F. Smith, remaining open at the date of the last annual report, is not yet entirely closed. A portion of the work, 396 miles, 1.60 chains, was forwarded on the 9th of July, 1874. The remainder was returned to the deputy for the correction of certain errors in his notes, and has not been yet returned to this office.

Contract No. 14, with Myron H. Clay, was closed October 1, the work being then forwarded to the General Land-Office.

This completes the report of the surveys up to date. It is proposed to expend the present year's appropriation in extending the surveys southward, and in completing the resurvey of the Georgia boundary.

Accompanying this report are the following documents:

- A.—Showing the progress of surveys.
  - B.—Showing the present condition of contracts made since the date of last annual report.
  - C.—Showing the present condition of contracts not closed at date of last annual report.
  - D.—List of township-plats furnished the local land-offices.
  - E.—Estimate of appropriations required for next fiscal year.
- All which is respectfully submitted.

Very respectfully, your obedient servant,

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

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

B.—Report of surveying operations in the district of Florida during the year ending June 30, 1874, showing the present condition of contracts made since date of last annual report.

Names of deputies.	Number of contract.	Date.	Work.	Locality.		Time allowed.	When returned.	When forwarded.	Amount.		Remarks.
				Townships south.	Ranges east.				M.	L.	
Timothy S. Stearns.	15	Oct. 1, 1873	Subdivision.	47 48 49	25 to 34 inclusive. 25 to 32 inclusive. 26, 31, 32.	July 1, 1874	July 1, 1874		983	34	Office-work nearly done; will be forwarded in a few days.
Marcellus A. Williams.	16	Dec. 13, 1873	Subdivision.	To continue the standard meridian from its present termination as far south as practicable, and 40 townships from it west, not to exceed in all 1,000 miles.		Extended to Nov. 1, 1874.					Work not yet returned.
Charles F. Smith.	17	Jan. 7, 1874	Resurvey...	From township 57 south, and from the Cape Sable, including Long Key in the Everglades; also resurvey township 59 south, range 42 east; also survey the islands at Charlotte Harbor, not to exceed in the aggregate 500 miles.		June 30, 1874	June 30, 1874				Office-work in progress.
William L. Apthorp.	18	Feb. 28, 1874	Resurvey...	To retracement and remark, and to reclose the public surveys upon, the three several boundaries of Georgia and Florida known as the Watson, the McNeil, and the Orr and Whitner lines, limited to 450 miles. To resurvey the three Harburt grants, sections 51, 52, and 53, township 6 south, range 29 east.		Apr. 1, 1874	Apr. 1, 1874	Apr. 18, 1874			Made on application of and paid for by Mr. P. J. Ryall, of Saint Augustine, since deceased. The action of the surveyor-general in ordering the resurvey was disapproved by the Commissioner. (See his letter of July 14, 1874.)

Respectfully submitted.

J. W. GILBERT,  
Surveyor-General.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 21, 1874.

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

Names of deputies.	Number of contract.	Date.	Work.	Locality.		Time allowed.	Amount.			Remarks.
				Townships south.	Ranges east.		M.	Ch.	L.	
Charles F. Smith....	12	Nov. 29, 1872	Keys .....	The unsurveyed keys from Key Largo to Key West, and the mainland south of the Everglades, and the islands at Charlotte Harbor.		Jan. 1, 1874	396	1	60	Work forwarded as far west as to include range 29 on the 9th July. Balance returned to deputy for correction, and not yet reported back.
Myron H. Clay.....	14	Dec. 11, 1872	Subdivision.	Fractional 44, 45, 46... Fractional 43; and 44, 45, 46. 46.....	23, 24 ....., 25, 26, 27, 28, 29.	July 15, 1873	1,052	34	67	Work forwarded October 1, 1873, and contract closed.

Respectfully submitted.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 21, 1874.

J. W. GILBERT,  
Surveyor-General.

D.—List of township-plats furnished the local land-office.

Townships south.	Range east.	Number of townships.	When furnished.	Remarks.
45, 46.....	23.....	} 18	October 1, 1873.....	Survey of M. H. Clay.
44, 45, 46.....	24, 25, 26, 27, 28.....			
46.....	29.....			
62, 63.....	38.....			
63, 64.....	36, 37.....	} 17	July 1, 1874.....	Survey of Charles F. Smith.
64, 65.....	35.....			
65.....	34.....			
65, 66.....	30, 31, 33.....			
66.....	29, 32.....			
Total.....		35		

Respectfully submitted.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 21, 1874.

J. W. GILBERT,  
Surveyor-General.

E.—Estimate of appropriations required for the surveying service in the district of Florida for the fiscal year ending June 30, 1876.

Salary of surveyor-general.....	\$2,000
Salary of chief clerk.....	1,600
Salary of draughtsman.....	1,400
Salary of clerk.....	1,200
Rent and contingent expenses.....	1,500
Surveying the public lands.....	10,000
Total.....	17,700

Respectfully submitted.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tallahassee, Fla., September 21, 1874.

J. W. GILBERT,  
Surveyor-General.

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

SURVEYOR-GENERAL'S OFFICE,  
Saint Paul, Minn., August 31, 1874.

SIR: In compliance with instructions I have the honor to submit, in duplicate, my annual report, showing the progress of the public surveys and the amount of office-work performed since the date of the last annual report.

The surveys under contract at the date of the last annual report have been completed with the exception of townships 141 and 142 north, of range 32 west, embraced in the contract of Walker Allen and Putnam, of date May 10, 1873, which, at their request, and by the approval of the Commissioner of the General Land-Office, have been canceled; and township 58 north, of range 22 west, and township 59 of ranges 22 and 23 west, under contract with Adam Buck, sufficient reason having been shown for the delay in completing the surveys, the time has been extended with the approval of the Commissioner of the General Land-Office until January 1, 1875.

The appropriation for public surveys in this district for the present year was made near the close of the session of Congress. Contracts have been entered into with experienced deputies, and parties are now in the field. The time has been so short, however, since contracts were made, that no reports have been received from the deputies, but I am confident that all the surveys under contract will be efficiently and faithfully executed within the time fixed in the contracts.

I would in this connection present again the considerations heretofore offered, for a larger appropriation for field-work than has been made the past few years, and would respectfully urge that the full amount estimated as necessary may be approved, and recommended by the Department. The demand for mineral and timbered lands is so

great that it would seem to be but just to the settler, miner, and explorer, and not impolitic for the Government, from the fact that a considerable revenue will be obtained from the sale of these lauds, and at the same time furnishing material protection to the timbered lands in preventing depredation and the consequent destruction of much valuable timber by fire, &c.

The accompanying tables will show 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 submitted.

The original notes of six thousand three hundred and nineteen miles seventy-six chains and thirty-three links of subdivisional and meander lines have been examined, the meanders platted, and the contents of fractional lots calculated and placed on the plats and copies.

One thousand and thirty-five miles seventy-eight chains and seventy-three links of meridian, standard, and township lines have been examined and placed on file, and transcripts made and transmitted.

Four hundred and forty-two miles sixteen chains and thirty-nine links of Indian reservation boundaries have been examined, placed on file, and transcripts made and transmitted.

Sixty-two township plats have been constructed from the original field-notes, ninety-six duplicates made and transmitted to the General Land-Office, besides thirty-eight skeleton plats showing miles and meanders run; forty-one copies of original plats made and transmitted to the local land-offices, making an aggregate of two hundred and thirty-seven plats sent out or filed in this office.

Fifteen thousand five hundred and nineteen pages of transcript 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 fifty townships of descriptive notes, and sixty-one townships for filing in this office, making a total of one hundred and eleven sheets.

The miscellaneous business of the office, such as preparing contracts and bonds for deputy surveyors, diagrams for deputy surveyors, plats for timber-agents, making out deputies' accounts, the general correspondence of the office, &c., involves much time and labor, of which no detailed statement can well be made.

The several statements and estimates accompanying this report are as follows:

- A. Amount, character, locality, and present condition of the work in the field.
- B. Statement of original commissioners' and registers' plats made and copied, with date of transmission.
- C. Statement of townships surveyed from August 23, 1873, to date, 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, 1876.
- E. Abstract statement of the incidental expenses of the office for the fiscal year ending June 30, 1874.

In Exhibit C, the townships in which the area does not appear, the original plats have not been constructed, consequently the area not calculated; the miles run including meanders have been calculated and forwarded with skeleton plats.

Very respectfully, your obedient servant,

DANA E. KING,  
*Surveyor-General.*

Hon. S. S. BURDETT,  
*Commissioner General Land-Office, Washington, D. C.*



A.—Statement showing the amount, character, locality, and present condition of the surveys in Minnesota uncompleted at, and undertaken since, date 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 line 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 north west 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 approved; notes and plats in duplicate 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; township lines between townships 143 and 144 north, ranges 32 and 33 west; range lines between ranges 32 and 34, 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; subdivision 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.	Surveys completed and approved, excepting townships 141, and 142, of range 35, contract for which has been canceled; notes and plats of townships 141, 142, and 143, of range 32, transmitted.
Shaw & Taylor . . . . .	May 10, 1873	Township lines and subdivisions.	All the township and range lines embraced in the White Earth Indian reservation not heretofore run; subdivision 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.	Surveys completed and approved; notes and plats in duplicate transmitted.
Jackson & Bruce . . . . .	June 3, 1873	Standard and township lines and subdivisions.	Fifth guide meridian between 12th and 13th standard parallels, 13th standard parallel between the 5th and 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; subdivision of townships 149, 150, 151, 152, and 153 north, of ranges 44 and 45 west, 5th principal meridian.	Surveys completed and approved; plats and notes of standard and township lines, and township 153, of ranges 44 and 45, transmitted.
Patrick H. Conger . . . . .	June 11, 1873	Indian reservation boundaries, township lines, and subdivisions	Exterior boundaries of three tracts for Pillager and Lake Winnebagoish Indians; exterior boundaries and township lines of the reservation of the Chippewas of the Mississippi; subdivisions of a portion of townships in the last-named reservation.	Surveys completed and approved; notes and plats of reservation boundaries, township lines, and all subdivisions, excepting township 142, ranges 29 and 30, transmitted in duplicate, and diagrams transmitted.
Warren M. Adley . . . . .	June 17, 1873	Indian reservation boundary.	The northwestern boundary line of the Red Lake and Pembina Chippewa Indian reservation.	Surveys completed and approved; skeleton diagrams showing miles and meanders run, transmitted.
Samuel E. Stobblins . . . . .	June 19, 1873	Subdivisions . . . . .	Subdivision of townships 50, 51, 52, and 53 north, of range 23 west, 4th principal meridian.	Surveys completed and approved; skeleton diagrams showing miles and meanders run, transmitted.
Johnson & Miller . . . . .	June 24, 1873	Subdivisions . . . . .	Subdivision of townships 51 and 52 north, of ranges 19 and 20 west; township 51 north, of range 21 west, 4th principal meridian.	Surveys completed and approved; notes and plats transmitted.
Lewis Harrington . . . . .	June 26, 1873	Subdivisions . . . . .	Subdivision of 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.	Surveys completed and approved; notes and plats transmitted.

July 1, 1873	Subdivisions.....	Subdivision of townships 48 and 49 north, of ranges 21 and 22 west; township 49 north, of range 23 west, 4th principal meridian.	Surveys completed and approved; notes and plats of townships 48 and 49, ranges 21 and 22, transmitted; skeleton diagrams of township 49, range 23, transmitted.
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.	Surveys completed and approved; notes and plats transmitted.
July 5, 1873	Subdivisions.....	Township 51 north, of range 25 west, 4th principal meridian.	Surveys completed and approved; notes and plats transmitted.
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.	Surveys completed and approved; skeleton diagrams showing miles and meanders run, transmitted.
July 23, 1873	Township lines and subdivisions.	Township lines between townships 58 and 59 north, of ranges 23 and 24 west, of township 58 north; subdivision of township 58 north, range 23 west; townships 57 and 58 north, of range 24 west, 4th principal meridian.	Surveys completed and approved, excepting range line between ranges 1 and 2 west, of township 62 north, contract for which has been cancelled; diagrams of meridian, standard, and township lines, transmitted.
Aug. 4, 1873	Township lines and subdivisions.	Township line between townships 58 and 59 north, of range 23 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; subdivision of townships 57 and 59 north, range 22 west; township 59 north, of range 23 west, 4th principal meridian.	Surveys completed and approved; skeleton diagrams showing miles and meanders run, transmitted.
Sept. 4, 1873	Subdivisions.....	Subdivision of township 143 north, of range 27 west, 5th principal meridian.	No returns. Time for completion of work extended to January 1, 1875.
Sept. 29, 1873	Meanders.....	Meanders of island in section 36, township 117 north, of range 23 west; and island in section 36, township 117 north, of range 24 west, 5th principal meridian.	Surveys completed and approved; notes and plats transmitted.
Nov. 1, 1873	Subdivisions.....	Subdivision of township 140 north, of range 27 west, 5th principal meridian.	Surveys completed and approved; notes and plats transmitted.
Nov. 17, 1873	Township lines and subdivisions.	Range lines between ranges 29 and 33 west, of township 144 north; subdivision of township 144 north, of range 30 west, 5th principal meridian.	Surveys completed and approved; notes and plats transmitted.
Nov. 29, 1873	Meanders.....	Meanders of island in section 29, township 107 north, of range 7 west, of the 5th principal meridian.	Survey disapproved by the Commissioner of the General Land-Office.
Jan. 5, 1874	Township lines and subdivisions.	Range between townships 33 and 34 west, of township 144 north; subdivision of township 144 north, of range 33 west, 5th principal meridian.	Surveys completed and approved; notes and plats transmitted.
June 12, 1874	Subdivisions.....	Subdivision of township 33 north, of ranges 19, 20, 21, and 22 west; township 32 north, of range 21 west, 4th principal meridian.	Deputies in the field.
July 13, 1874	Subdivisions.....	Subdivision of township 30 north, of ranges 19, 20, 21, and 22 west; townships 31 and 32 north, of range 22 west, 4th principal meridian.	Deputies in the field.

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

Name of deputies.	Date of contract.	Character of work.	Amount and locality.	Present condition.
Putnam & Wilder.....	July 14, 1874	Township lines and subdivisions.	Township lines between townships 145 and 146, 146 and 147 north, of ranges 33, 34, and 35 west; between townships 147 and 148 north, of ranges 33 and 34 west; range lines between ranges 32 and 33, 33 and 34, 34 and 35 west, of townships 145, 146, and 147 north; subdivisions of townships 145 and 146 north, of ranges 33, 34, and 35 west; township 147 north, of ranges 33 and 34 west, 5th principal meridian.	Deputies in the field.
A. & W. F. Ingerson.....	July 15, 1874	Township lines and subdivisions.	Township line between townships 145 and 146, 146 and 147 north, of range 36 west; range line between ranges 35 and 36 west, of townships 145 and 146 north; subdivision of townships 145 and 146 north, of range 36 west, 5th principal meridian.	Deputies in the field.
Nathan Butler.....	Instructed July 15, 1874	Locating the buildings on Fort Ridgely military reservation.	Resurveying the north half of section 6, of township 111 north, of range 32 west, 5th principal meridian.	Survey completed and approved; notes and diagram transmitted.
Allen & Barnes.....	July 21, 1874	Township lines and subdivisions.	Township lines between townships 145 and 146, 146 and 147, 147 and 148 north, of range 32 west; range lines between ranges 32 and 33, 33 and 34 west, of township 148 north; subdivision of townships 147 and 148 north, of ranges 30 and 31 west; townships 145, 146, 147, and 148 north, of range 32 west, 5th principal meridian.	Deputies in the field.
George Hamilton.....	July 24, 1874	Township lines and subdivisions.	Township line between townships 59 and 60 north, of range 24 west; range line between ranges 24 and 25 west, of township 59 north; subdivision of township 59 north, of range 24 west, 4th principal meridian.	Deputy in the field.
Fendall G. Winston.....	Aug. 10, 1874	Township lines and subdivisions.	Township line between townships 57 and 58, 58 and 59 north, of range 27 west, between townships 59 and 60 north, of ranges 25, 26, and 27 west; range line between ranges 25 and 26, 26 and 27 west, of township 59 north; subdivision of township 59 north, of ranges 25 and 26 west, fractional townships 58 and 59 north, of range 27 west, 4th principal meridian.	Deputy in the field.

DANA E. KING,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Saint Paul, Minn., August 31, 1874.

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

Township.	Range.	Land-office.	Original.	Commissioner's.	Date of transmission.	Register's.	Date of transmission.	Total.
63	1	Du Luth.	1	1	Aug. 29, 1874	1	Aug. 29, 1874	3
59	13	do	1	1	do			2
59	14	do	1	1	do			2
48	21	do	1	1	Oct. 31, 1873	1	Dec. 2, 1873	3
49	21	do	1	1	do			3
48	22	do	1	1	Jan. 24, 1874	1	Aug. 29, 1874	3
49	22	do	1	1	do			3
57	22	do	1	1	do			3
57	23	do						1
140	27	Saint Cloud	1	1	Aug. 29, 1874	1	Aug. 29, 1874	3
141	27	do	1	2	do	1	Aug. 25, 1874	4
142	27	do	1	2	do	1	do	4
143	27	do	1	1	Oct. 21, 1873	1	Dec. 9, 1873	3
144	27	do	1	2	July 25, 1874			3
145	27	do	1	2	do			3
146	27	do	1	2	do			3
147	27	do	1	2	do			3
141	28	Saint Cloud	1	2	June 17, 1874	1	Aug. 25, 1874	4
143	28	do	1	2	Apr. 8, 1874	1	do	4
144	28	do	1	2	June 17, 1874	1	do	4
145	28	do	1	2	July 25, 1874	1	do	4
146	28	do	1	2	do	1	do	4
147	28	do	1	2	Aug. 28, 1874			3
141	29	Saint Cloud	1	2	June 17, 1874	1	Aug. 25, 1874	4
143	29	do	1	2	do			3
144	29	do	1	2	do			3
145	29	do	1	2	July 25, 1874			3
141	30	Saint Cloud	1	2	Apr. 8, 1874	1	Aug. 25, 1874	4
145	30	do	1	2	Aug. 28, 1874			3
141	31	Saint Cloud	1	2	do	1	Aug. 25, 1874	4
142	31	do	1	2	do	1	do	4
141	32	do	1	1	Oct. 22, 1873	1	Dec. 9, 1873	3
142	32	do	1	1	do	1	do	3
144	32	do	1	2	Aug. 29, 1874	1	Aug. 25, 1874	4
141	33	do	1	1	do	1	do	3
142	33	do	1	1	do	1	do	3
143	33	do	1	1	do	1	do	3
144	33	do	1	2	Aug. 28, 1874	1	Aug. 27, 1874	4
141	34	do	1	1	Aug. 29, 1874	1	Aug. 25, 1874	3
142	34	do	1	1	do	1	do	3
141	37	do	1	2	Jan. 24, 1874			3
142	37	do	1	2	Apr. 18, 1874			3
146	37	do	1	2	Jan. 12, 1874			3
141	38	do	1	2	Apr. 18, 1874			3
142	38	do	1	2	May 9, 1874			3
146	38	do	1	2	do			3
141	39	do	1	2	do			3
142	39	do	1	2	do			3
146	39	do	1	2	Jan. 12, 1874			3
146	40	do	1	2	do			3
148	42	Detroit				1	Jan. 17, 1874	1
153	44	do	1	1	Jan. 24, 1874	1	Jan. 10, 1874	3
173	45	do	1	1	do	1	do	3
161	46	do	1	1	do	1	do	3
162	46	do	1	1	do	1	do	3
161	47	do	1	1	do	1	do	3
162	47	do	1	1	do	1	do	3
161	48	do	1	1	do	1	do	3
162	48	do	1	1	do	1	do	3
162	49	do	1	1	do	1	do	3
162	50	do	1	1	do	1	do	3
162	51	do	1	1	do	1	do	3
*46	2	do	1	2	Sept. 25, 1873			3
46	3	do	1	2	do			3
Total.....								199

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

DANA E. KING,  
Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Saint Paul, Minn., August 31, 1874.

C.—Statement of townships surveyed from August 28, 1873, to date, showing area and number of miles surveyed, including meanders, in each.

Number.	Township.	Range.	Area.	No. of miles surveyed.	
				Miles.	chs. lbs.
1	*46	2	23, 263. 32	96	39 08
2	*46	3	22, 795. 54	104	06 74
3	63	1	21, 658. 51	86	11 96
4	59	13	22, 970. 11	60	70 95
5	59	14	23, 085. 98	60	10 04
6	51	19		64	75 61
7	52	19		71	29 90
8	51	20		81	40 02
9	52	20		75	32 24
10	48	21	22, 650. 13	64	56 61
11	49	21	22, 900. 23	59	67 43
12	51	21		60	26 58
13	48	22	22, 652. 16	60	58 41
14	49	22	22, 658. 13	62	79 99
15	57	22	23, 031. 11	59	79 40
16	49	23		101	13 21
17	50	23		83	67 94
18	51	23		80	48 26
19	52	23		110	69 44
20	53	23		88	74 79
21	58	23		71	08 71
22	51	24		80	43 53
23	52	24		60	49 45
24	53	24		92	41 41
25	57	24		86	57 67
26	58	24		83	57 55
27	51	25		60	29 55
28	140	27	21, 132. 54	74	77 86
29	141	27	21, 104. 16	79	12 58
30	142	27	19, 797. 67	95	54 59
31	143	27	22, 158. 56	74	22 98
32	144	27	21, 452. 76	69	07 30
33	145	27	22, 087. 87	71	58 03
34	146	27	11, 273. 44	59	11 60
35	147	27	20, 068. 86	80	02 97
36	141	28	20, 263. 25	88	50 29
37	142	28	17, 002. 00	65	43 54
38	143	28	18, 049. 12	66	38 77
39	144	28	18, 386. 08	73	27 79
40	145	28	10, 996. 96	37	40 71
41	146	28	2, 345. 62	11	44 27
42	147	28	20, 649. 74	65	73 98
43	141	29	19, 440. 92	91	20 99
44	143	29	3, 834. 48	20	23 16
45	144	29	17, 469. 89	58	08 79
46	145	29	20, 653. 70	70	68 59
47	141	30	22, 238. 07	71	27 11
48	145	30	19, 456. 09	70	76 40
49	141	31	20, 585. 64	84	72 91
50	142	31	15, 224. 68	71	30 33
51	141	32	21, 841. 54	73	12 80
52	142	32	22, 392. 72	64	12 22
53	143	32	19, 472. 60	67	78 94
54	144	32	21, 635. 33	73	75 76
55	141	33	20, 028. 66	99	37 50
56	142	33	22, 224. 35	70	21 34
57	143	33	22, 904. 97	60	51 42
58	144	33	22, 589. 63	60	14 72
59	141	34	17, 672. 63	100	34 72
60	142	34	21, 927. 69	80	57 00
61	141	37	22, 422. 74	64	29 95
62	142	37	21, 027. 00	77	05 29
63	146	37	22, 214. 63	60	62 19
64	141	38	20, 690. 60	79	01 40
65	142	38	20, 213. 69	80	77 51
66	146	38	22, 221. 24	64	19 49
67	141	39	20, 779. 48	81	24 27
68	142	39	20, 464. 74	78	66 48
69	146	39	22, 246. 95	72	15 35
70	146	40	22, 654. 03	68	73 45
71	149	44		59	68 82
72	150	44		59	64 53
73	151	44		73	10 06
74	152	44		60	57 46
75	153	44	23, 050. 21	60	03 71
76	149	45		60	16 23
77	150	45		69	01 13
78	151	45		68	65 16

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

Number.	Township.	Range.	Area.	No. of miles surveyed.
				<i>Miles. chs. lks.</i>
79.....	152	45		60 57 63
80.....	153	45	23,048.26	60 00 71
81.....	161	46	22,995.48	59 71 03
82.....	162	46	22,954.57	59 65 42
83.....	161	47	23,051.26	60 01 27
84.....	162	47	23,047.34	59 79 94
85.....	161	48	22,968.75	59 75 87
86.....	162	48	23,011.98	59 74 80
87.....	162	49	22,907.17	59 61 66
88.....	162	50	20,398.20	65 70 49
89.....	162	51	74.90	76 60
Total.....				6,319 76 33
Meridian, standard, and township lines.....				1,035 78 73
Indian reservation boundaries.....				442 16 39
Grand total.....			1,290,862.49	7,798 11 45

\* 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.....	1,290,862.49
Number of acres previously reported.....	34,571,293.89
Total number of acres surveyed.....	35,862,156.38

DANA E. KING,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Saint Paul, Minn., August 31, 1874.*

D.—Estimates of appropriations required for continuing the public surveys in Minnesota for the fiscal year ending June 30, 1874.

FOR FIELD-WORK.

Meridian and standard lines, 536 miles, at \$16 per mile.....	\$8,576 00
Township-lines, 2,300 miles, at \$12 per mile.....	27,600 00
Subdivisions, 65 townships, 4,550 miles, at \$10 per mile.....	45,500 00
Total.....	81,676 00

SALARIES.

For salary of surveyor-general.....	\$2,000 00
For salary of chief clerk.....	1,600 00
For salary of three draughtsmen.....	3,700 00
For salary of three transcribing clerks.....	3,400 00
Total.....	10,700 00

INCIDENTAL EXPENSES.

For pay of messenger, stationery, &c.....	\$1,750 00
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DANA E. KING,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*Saint Paul, Minn., August 31, 1874.*

E.—*Abstract statement of the incidental expenses of the office for the fiscal year ending June 30, 1874.*

For quarter ending September 30, 1873.....	\$421 10
For quarter ending December 31, 1873.....	612 30
For quarter ending March 31, 1874.....	238 10
For quarter ending June 30, 1874.....	868 50

Total ..... 2, 140 00

DANA E. KING,  
*Surveyor-General.*

SURVEYOR-GENERAL'S OFFICE,  
*St. Paul, Minn., August 31, 1874.*

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

UNITED STATES SURVEYOR-GENERAL'S OFFICE  
FOR THE DISTRICT OF DAKOTA,  
*Yankton, August 26, 1874.*

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 my last annual report, together with the usual statements relating thereto, and marked A, B, and C.

## SURVEYS.

1st. The eighth standard parallel from the eighth guide meridian to the Missouri River; the eleventh standard parallel from the seventh to the tenth guide meridian; the twelfth, thirteenth, and fourteenth standard parallels from the seventh to the eighth guide meridian; the eighth guide meridian from the tenth to the fourteenth standard parallel; the ninth guide meridian from the third to the fourth standard parallel; the ninth and tenth guide meridians from the eighth to the ninth standard parallel, and from the tenth to the eleventh standard parallel, amounting to 534 miles, 27 chains, and 18 links.

2d. The township-lines of townships 118, 119, and 120 north, of range 53 west; townships 117, 118, 119, and 120 north, of range 54 west; townships 109 to 116 north, inclusive, of ranges 53 to 59 west, inclusive; townships 141 to 144 north, inclusive, of ranges 53 to 59, west, inclusive, of ranges 67 and 68 west; township 141 north, of range 69 west; townships 133 to 140 north, inclusive, of ranges 67 to 73 west, inclusive; townships 105 to 112 north, inclusive, of ranges 62 to 66 west, inclusive; townships 133 to 136 north, inclusive, of ranges 74 to 79 west, inclusive; amounting to 1,902 miles, 34 chains, and 41 links.

3d. The following-described townships and fractional townships west of the fifth principal meridian have been subdivided into sections, viz: townships 114, 115, 116, 117, 118, 119, and 120 north, of range 47; townships 115, 116, 117, 118, 119, and 120 north, of range 48; townships 117, 118, 119, 147, 149, and 150 north, of range 49; townships 117, 118, 119, 147, 148, 149, 150, 151, 152, 153, 154, and 155 north, of range 50; townships 107, 146, 147, 148, 149, 150, 151, 152, 153, 154, and 155 north, of range 51; townships 107, 108, 109, 110, 111, 112, 147, 148, 149, 150, 151, 152, 153, 154, 155, and 156 north, of range 52; townships 105, 108, 109, 110, 111, 112, and 113 north, of range 53; townships 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, and 116 north, of range 54; townships 103, 104, 105, 106, 107, and 108 north, of range 55; townships 103, 104, 105, and 106 north, of range 56; townships 105, 106, 107, 108, and 141 north, of range 57; townships 105, 106, 107, 108, and 141 north, of range 58; townships 105, 106, 107, 108, and 141 north, of range 59; townships 101, 102, 103, 104, and 105 north, of range 61; townships 101 to 112 north, inclusive, of range 62; townships 101, 102, 103, 104, 105, 106, 107, 108, and 109 north, of range 63; townships 101, 102, 103, 104, 105, 106, 107, 137, and 140 north, of range 64; townships 101, 102, 103, 104, 105, 106, 107, 137, 138, 139, and 140 north, of range 65; townships 101, 102, 103, 104, 105, 106, 137, 138, 139, and 140 north, of range 66; townships 104, 105, 106, 107, 136, 137, 138, 139, and 140 north, of range 67; townships 105, 106, 107, 137, 138, 139, and 140 north, of range 68; townships 137, 138, 139, and 140 north, of ranges 69, 70, and 71; amounting to 10,981 miles, 18 chains, and 39 links.

## 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 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.

At the date of my last annual report, four contracts with deputy surveyors, entered into by my predecessor the year previous, were then unexecuted and non-concluded.

I report now that such work has been finished and adjusted, and, in fact, all old work contracted for, either by myself or my predecessor, has been executed and concluded, and the only work now being executed under this office is that contracted for under the appropriation of \$50,000 for the fiscal year ending June 30, 1875.

#### NEW WORK.

Immediately on receiving my annual instructions for the present current year, I proceeded to contract for surveys to the extent of the appropriation for the present fiscal year, and the deputy surveyors so contracted with are now in the field executing each his respective contract.

The following is the location, amount, and kind of work being executed this season: The ninth guide meridian, from the fourth to the eighth standard parallel; the tenth guide meridian, from the seventh to the eighth standard parallel; the fourth, fifth, and sixth standard parallels, from the eighth to the ninth guide meridian; the seventh standard parallel, from the eighth guide meridian to the Missouri River; the eleventh standard parallel, from the tenth guide meridian to the Missouri River; the twelfth standard parallel, from the eighth to the eleventh guide meridian; the ninth and tenth guide meridians, from the eleventh to the twelfth standard parallel; and the eleventh guide meridian, from the tenth to the twelfth standard parallel. The only township-lines being run this season are those between the fifth standard parallel, on the south, and the Sioux Indian reservation on the northeast, and Sisseton and Wahpeton Indian reservation on the northwest, and a small amount of township-lines between the seventh standard parallel and the Wahpeton and Sisseton Indian reservation.

I have also contracted for the subdivision of about one hundred and four whole and fractional townships situated in both the northern and southern portions of the Territory; and out of the whole appropriation of \$50,000, I have contracted for subdivisions to the extent of \$21,000 within the limits of the Northern Pacific Railroad land-grant.

It will be observed by the above description that I am extending but very few township-lines this season; this is owing to the reduction in the amount of money provided for the extension of surveys this season, and the imperative necessity of extending the long lines and subdivisions; and then, too, a large portion of the work executed last year was upon township-lines.

I have observed reasonable discrimination in the price allowed for work, according to the kind and location of the same.

For running standards and guides, which is certainly the most difficult and least remunerative work, I have allowed to deputies executing such work the maximum rate of \$12 per mile. For running the interior lines, township and subdivisional lines, in those sections the most remote from timber and water, and chiefly located in Northern Dakota, I have also allowed the maximum rate of \$9 for township and \$8 for subdivisional lines. In all cases where the work contracted for has been conveniently located, and in close proximity to timber and water, I have confined the price of work to the old rate of \$7 for township and \$6 for subdivisional lines. In doing this I am prompted by a desire to subservise the best interests of the surveying service, to equalize the compensation of each deputy surveyor according to the kind and quality of the work executed; and then, too, no question of favoritism arises in assigning to each deputy the particular kind of work to be executed.

I have every reason to believe that the work executed under this office last season, with, perhaps, one or two exceptions, was excellently well done.

In those exceptional cases, and, in fact, in every case, when I had any reason to suspect that a deputy had failed to do his full and honest duty last season, I declined to



B.—Schedule showing the contracts entered into and condition of the public surveys under appropriation for fiscal year ending June 30, 1875.

Name of contractor.	No.	Date.	Character of work.	Amount and locality.	Estimated cost.	Amount of appropriation.		
Wilise, Court & McClure.	79	1874. July 2	Extérieurs Subdivisions	<p><i>All north of base-line and west of sixth principal meridian, Nebraska.</i></p> <p>Townships 29 to 32, ranges 21 to 24, both inclusive. Townships 29 to 32, ranges 21 to 23, both inclusive, and township 32, range 24.</p>	\$9,800	\$60,000	Parties in the field.	
Dorrington & Fairfield.	80	July 2	Standards					
McBroom & Hull.	81	July 3	Extérieurs Subdivisions	<p>Fourth guide meridian from fifth to seventh standard parallel, and sixth and seventh standard parallels from third to fourth guide meridian.</p> <p>Townships 21 to 24, ranges 23 to 29, both inclusive. Township 21, ranges 25 to 28, inclusive; townships 20, 21, and 22, range 29.</p>	8,880		Do.	
Stephenson & Slocum.	82	July 6	Subdivisions					
McElroy & Stout.	83	July 7	Subdivisions	<p>Townships 25 to 28, ranges 25 to 29, both inclusive. Townships 25 to 28, inclusive, ranges 24 and 25, and townships 26, 27, and 28, range 26.</p>	9,120		Do.	
Dangberry, Parmelee & Campbell.	84	July 8	Subdivisions					
Richards & Richards.	85	Aug. 12	Subdivisions	<p>Townships 22, 23, and 24, range 29; townships 22, 23, 24, and 25, range 26; townships 22, 23, and 24, ranges 27 and 28, and townships 23 and 24, range 29.</p> <p>Townships 25, 26, and 27, range 29; townships 25 to 28, ranges 21, 22, and 23.</p> <p>Townships 25, 26, 27, and 28, ranges 17, 18, and 19, and township 28, range 20.</p> <p>Townships 25, 26, 27, and 28, ranges 27 and 28.</p> <p>To balance unexpended.</p>	9,000		Do.	
			<b>Total</b>		60,000			

C.—Statement showing the amount expended for salaries of surveyor-general and clerks during fiscal year ending June 30, 1874.

1874. By appropriation for compensation of surveyor-general for fiscal year 1874 .....	\$2,000	
By appropriation for salary of clerks for fiscal year 1874.....	6,300	
By special deposit for office-work, made by D. R. Sylvester, certificate of deposit No. 84, First National Bank, Yankton, Dak.....		15
By special deposit for office-work, made by Wm. K. Busey, certificate of deposit No. 423, First National Bank, Sioux City, Iowa.....		15
Sept. 30, 1873. To first quarter ending Sept. 30, 1873.....	\$2,075	
Dec. 31, 1873. To second quarter ending Dec. 31, 1873.....	2,075	
March 31, 1874. To third quarter ending March 31, 1874.....	2,075	
June 30, 1874. To fourth quarter ending June 30, 1874.....	2,075	
June 30, 1874. To special deposit for office-work, unexpended.....		30
<b>Totals .....</b>	<b>8,330</b>	<b>8 330</b>

D.—Statement showing the amount expended for rent of office and other incidental expenses and condition of account, during fiscal year ending June 30, 1874.

1874. By appropriation for rent of office and other incidental expenses for fiscal year 1874.....		\$2,500
Sept. 30, 1873. To first quarter ending Sept. 30, 1873.....	\$453 72	
Dec. 31, 1873. To second quarter ending Dec. 31, 1873.....	653 15	
March 31, 1874. To third quarter ending March 31, 1874.....	447 98	
June 30, 1874. To fourth quarter ending June 30, 1874.....	931 20	
June 30, 1874. To balance of appropriation, unexpended.....		13 95
<b>Totals.....</b>	<b>2,500 00</b>	<b>2,500</b>

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 fiscal year 1874.

Number of townships.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEY.			Number of townships.	DESCRIP-TION.		Number of acres.	AMOUNT OF SUR-VEY.		
	Township north.	Range west.		Miles.	Chains.	Links.		Township north.	Range west.		Miles.	Chains.	Links.
1	21	17	22,559.45	66	26	87	56	17	24	23,094.70	60	14	70
2	22	17	22,911.70	59	52	92	57	18	24	23,122.98	60	10	11
3	23	17	22,880.66	59	60	09	58	19	24	23,199.49	60	15	86
4	24	17	22,726.31	60	5	13	59	20	24	22,077.93	60	54	17
5	29	17	22,989.81	59	75	77	60	21	24	22,723.40	65	52	16
6	30	17	22,907.86	59	63	20	61	22	24	22,870.84	64	61	85
7	31	17	22,971.70	59	66	88	62	23	24	23,108.45	60	8	39
8	32	17	22,699.83	63	14	32	63	24	24	22,814.07	60	29	73
9	21	18	22,556.46	67	24	32	64	17	25	23,092.86	59	77	69
10	22	18	22,989.30	59	74	45	65	18	25	23,052.12	60	2	20
11	23	18	22,954.89	59	69	84	66	19	25	22,995.50	59	74	40
12	24	18	22,537.30	60	1	75	67	20	25	23,015.27	61	16	23
13	29	18	23,123.64	60	10	84	68	17	26	23,036.65	59	78	98
14	30	18	23,101.60	60	8	32	69	18	26	23,013.69	59	76	59
15	31	18	22,965.74	59	69	94	70	19	26	23,062.94	59	75	85
16	32	18	21,684.44	72	24	24	71	20	26	23,041.60	61	9	59
17	21	19	22,898.11	64	75	95	72	17	27	23,035.59	59	78	44
18	22	19	22,911.10	63	50	5	73	18	27	23,011.18	59	76	28
19	23	19	23,092.68	60	6	15	74	19	27	23,002.94	59	75	86
20	24	19	22,858.72	60	66	49	75	20	27	23,056.93	61	00	63
21	29	19	23,032.09	59	76	57	76	17	28	23,025.89	59	77	32
22	30	19	23,069.46	60	3	98	77	18	28	23,013.88	59	77	47
23	31	19	23,125.57	60	9	2	78	19	28	22,993.94	59	74	95
24	32	19	22,124.07	70	69	16	79	20	28	23,043.13	60	78	81
25	21	20	22,969.89	59	75	93	80	17	29	23,035.30	59	79	67
26	22	20	22,511.95	66	32	91	81	18	29	23,035.73	60	-----	14
27	23	20	22,846.01	62	16	81	82	19	29	23,052.81	60	03	82
28	24	20	22,851.51	60	79	46	83	18	49	22,914.61	59	66	26
29	29	20	23,095.22	60	8	37	84	18	50	22,845.06	59	52	54
30	30	20	23,117.60	60	10	45	85	18	51	23,030.36	59	79	31
31	31	20	23,032.04	60	1	95	86	19	51	22,730.13	59	35	98
32	32	20	22,139.94	72	35	70	87	18	52	22,998.79	59	76	2
33	18	21	22,956.91	59	71	88	88	19	52	22,909.43	59	63	62
34	19	21	22,873.47	59	60	2	89	18	53	23,035.06	59	79	53
35	20	21	22,039.95	69	42	48	90	19	53	22,980.16	59	71	71
36	21	21	22,636.98	63	03	24	91	20	53	22,426.51	61	44	53
37	22	21	22,991.92	60	-----	56	92	18	54	23,236.68	60	24	41
38	23	21	22,943.79	59	73	16	93	19	54	23,019.59	59	71	80
39	24	21	22,864.82	60	61	89	94	20	54	22,911.22	60	65	14
40	21	22	23,026.36	60	03	29	95	17	55	22,990.82	60	15	1
41	18	22	23,039.39	59	77	82	96	18	55	23,239.48	60	26	46
42	19	22	23,050.00	60	-----	94	97	19	55	23,105.30	60	5	4
43	20	22	22,786.58	60	45	73	98	20	55	23,333.72	61	16	91
44	21	22	22,833.93	68	25	46	99	17	56	23,014.19	59	66	45
45	22	22	23,026.13	59	79	76	100	18	56	23,134.57	60	9	12
46	23	22	22,951.55	59	72	41	101	19	56	22,930.54	59	66	80
47	24	22	22,067.62	60	49	23	102	20	56	23,088.11	61	7	75
48	17	23	23,121.06	60	12	96	103	17	57	23,045.53	59	77	15
49	18	23	23,038.78	60	3	67	104	18	57	23,110.76	60	5	97
50	19	23	22,979.00	59	74	30	105	19	57	23,135.06	60	5	27
51	20	23	22,453.07	60	6	20	106	20	57	22,920.93	60	68	46
52	21	23	22,666.89	66	47	20	107	17	58	21,394.41	58	54	66
53	22	23	22,982.10	59	74	56	108	18	58	20,893.91	58	33	93
54	23	23	22,977.29	59	73	86	109	19	58	20,945.91	58	31	96
55	24	23	22,639.31	60	29	66	110	20	58	20,864.35	59	52	14

F.—Statement showing the description and number of township-maps and descriptive lists furnished the different land-offices during fiscal year ending June 30, 1874.

Township and range.*	When transmitted.	No. of plats.	No. of descriptive lists.
TO REGISTER DAKOTA LAND-DISTRICT.			
Townships 24, 29, 30, 31, and 32, ranges 17, 18, 19, and 20.....	Jan. 1, 1874	20	40
TO REGISTER GRAND ISLAND LAND-DISTRICT.			
Townships 22 and 23, ranges 17 and 18; township 23, range 19; and township 21, range 20.	Jan. 1, 1874	6	13
Township 17, ranges 17 and 18; townships 21 and 22, range 19; townships 22 and 23, range 20.	Mar. 1, 1874	6	12
TO REGISTER WESTERN LAND-DISTRICT.			
Townships 18, 19, and 20, range 21; townships 17, 18, 19, 20, and 21, range 22; townships 17 to 23, inclusive, ranges 23 and 24; townships 17 to 20, ranges 25 to 28, both inclusive; townships 17, 18, and 19, range 29; township 18, ranges 49 and 50; townships 18 and 19, ranges 51 and 52; townships 18, 19, and 20, ranges 53 and 54; and townships 17 to 20, ranges 55 to 58, both inclusive.	Jan. 1, 1874	67	134
Townships 21, 22, 23, and 24, range 21; townships 22, 23 and 24, range 22; townships 23 and 24, ranges 23 and 24.	.....	11	22
RECAPITULATION.			
To Dakota land-district.....		20	40
To Grand Island land-district.....		12	24
To Western land-district.....		78	156
<b>Total.....</b>		<b>110</b>	<b>220</b>

\*All north of base-line and west of sixth principal meridian Nebraska.

G.—Estimate of sums required for the extension of public surveys in the State of Nebraska for fiscal year ending June 30, 1876.

Township and range.*	No. of miles.	Rate per mile.	Amount.
STANDARD LINES.			
The third guide meridian from eighth standard parallel to north boundary of State; the fourth guide meridian from seventh standard parallel to north boundary of State; the fifth, sixth, and seventh guide meridians from fifth to sixth standard parallel; the eighth standard parallel from third to fourth guide meridian, and the sixth standard parallel from fourth guide meridian to west boundary of State.....	348	\$15	\$5,220
EXTERIOR LINES.			
Townships 33 and 34, ranges 17 to 21, inclusive; townships 33, 34, and 35, ranges 22, 23, and 24; townships 29 to 36, ranges 25 to 32, both inclusive; townships 17 to 28, ranges 30, 31, and 32; townships 17 to 20, ranges 33 to 40, both inclusive; townships 21 to 24, ranges 49 to 58, both inclusive.....	2,074	12	24,888
SUBDIVISION LINES.			
Townships 33 and 34, ranges 17 to 21, inclusive; townships 33, 34, and 35, ranges 22, 23, and 24; townships 17 to 28, inclusive, ranges 30, 31, and 32; townships 17 to 20, inclusive, ranges 41 and 42; townships 16 to 20, ranges 43 to 48, both inclusive; townships 19 and 20, ranges 49 and 50; and township 20 ranges 51 and 52.....	5,940	10	59,400
<b>Total.....</b>			<b>89,508</b>

\*All north of the base-line and west of sixth principal meridian.

H.—*Estimate of sums required for office-expenses for fiscal year ending June 30, 1876.*

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>

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, 1874.*

Name.	Duty.	Nativity.	Whence appointed.	Term of service.	Salary per annum.
E. E. Cunningham.....	Surveyor-general.....	Missouri.....	Nebraska.....	Entire year.....	\$2,000
Alexander Schlegel.....	Chief clerk.....	Switzerland.....	do.....	do.....	1,600
Seth Skill.....	Principal draughtsman.....	England.....	do.....	do.....	1,300
Herman C. Smith.....	Assistant draughtsman.....	Germany.....	do.....	do.....	1,200
Alonzo Cunningham.....	Copyist.....	Iowa.....	do.....	do.....	1,100
Joseph M. Beardsley.....	do.....	New York.....	do.....	do.....	1,100
Perry P. Gass.....	Messenger.....	Ohio.....	do.....	do.....	540

F.—*Report of the surveyor-general of Kansas.*UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Lawrence, Kans., August 20, 1874.

SIR: In compliance with your instructions of March 31, 1874, 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, 1874.

## FIELD-WORK.

All surveys contracted for out of the appropriation of March 3, 1873, have been completed during the fiscal year.

The surveys contracted for payable out of special deposits made by railroad companies, in compliance with an act approved July 2, 1864, have been completed.

An examination was made of the condition of certain surveys in Barton County, Kansas, as per instructions contained in your letter of July 19, 1873.

Two islands in the Arkansas River, in township 27 south, range 1 east, were surveyed under the provisions of the tenth section of the act of May 30, 1862, upon the application of A. S. Tentschel.

Eight contracts have been entered into out of the appropriation of June 23, 1874, for the extension of the lines of public surveys in the State of Kansas, embracing the total unsurveyed public domain in this district,

In letting these contracts I have been guided by your special instructions and existing laws and regulations governing the surveying-service.

## OFFICE-WORK.

During the fiscal year ending June 30, 1874, the field-notes of 113 miles of standard, 1,209 miles of exterior, and 6,976 miles of subdivisional lines, have been transcribed and transmitted to the Department.

Nine diagrams in duplicate of standard and exterior lines, and plats in triplicate, of 127 townships, were prepared, and the required copies transmitted to the General Land-Office and the proper local land-offices.

One hundred and twenty-seven descriptive lists of the surveys executed during the fiscal year have been prepared and forwarded to the respective local land-offices.

A copy of the deputy's report of the examination of the surveys of certain townships in Barton County, Kansas, made in compliance with instructions from this office, dated September 5, 1873, was transmitted to the Department.

The cost of this examination was \$337.20, payable out of the appropriation "For occasional examinations of the public surveys," approved March 3, 1873.

A transcript of the field-notes and plats, in triplicate, of the survey of two islands in the Arkansas River, in township 27 south, range 1 east, were prepared, and the proper copies furnished the Department and local-land office at Wichita, Kansas.

In addition to the above a very large amount of miscellaneous business has been transacted, of which it is difficult to enter into a detailed statement.

ESTIMATES.

An estimate of sums required for the office-expenses of this office for the fiscal year ending June 30, 1876, has been prepared and transmitted to the Department, as directed in your circular of March 31, 1874.

This estimate is made for the purpose of arranging and classifying the records of this office, in the event they are incomplete at the end of the fiscal year ending June 30, 1875.

As the appropriation approved June 23, 1874, of \$89,700, is sufficient to extend the lines of public surveys over the remaining unsurveyed portion of the district, no further estimates for the surveying-service were made.

The following tabular statements, to which your attention is respectfully invited, form a part of this report:

A.—Names, duties, and salaries of persons employed in the surveyor-general's office during the fiscal year ending June 30, 1874.

B.—Sums expended for salaries of surveyor-general and clerks during the fiscal year.

C.—Expenditures of the office during the fiscal year ending June 30, 1874.

D.—Extent and cost of public surveys executed during the fiscal year ending June 30, 1874.

E.—Extent and cost of surveys executed during the fiscal year ending June 30, 1874, payable out of special deposits.

F.—Amount of special deposits made during the year ending June 30, 1874, for surveys and office-work.

G.—Numbers and area of townships, plats and transcripts of field-notes of which have been transmitted to the Department, and plats and descriptive lists furnished the local land-offices at Cawker City, Salina, and Wichita during the fiscal year ending June 30, 1874.

H.—Estimated expense, number of miles, and character of work for which contracts have been entered into and chargeable to the appropriation of June 23, 1874.

I.—Estimates of sums required for office-expenses for the fiscal year ending June 30, 1876.

I am, very respectfully, your obedient servant,

C. W. BABCOCK,  
*Surveyor-General.*

Hon. S. S. BURDETT,  
*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, 1874.

Name.	Duty.	Nativity.	Whence appointed.	Term of service.	Salary per annum.
C. W. Babcock ..	Surveyor-general.	Vermont ..	Kansas ..	Entire year .....	\$2,000 00
Austin R. Mills ..	Chief clerk .....	Mass .....	do .....	do .....	1,600 00
T. H. Morrison ..	Principal draughtsman.	Maine .....	do .....	do .....	1,300 00
Henry B. Ray ...	Accountant and draughtsman.	Virginia ..	do .....	do .....	1,200 00
John T. Athey ..	Copyist .....	Maryland ..	do .....	do .....	1,100 00
Albert G. Brooks ..	do .....	Maine .....	do .....	do .....	*1,100 00
John Barber ..	do .....	Ohio .....	do .....	July 1, 1873, to June 9, 1874	†1,100 00
P. McGrady .....	do .....	Canada ..	do .....	Aug. 12 to Oct. 22, 1873	‡1,100 00
S. S. Horton .....	do .....	New York ..	do .....	Sept. 15 to Dec. 15, 1873	1,100 00
R. C. Mead .....	do .....	England ..	do .....	Sept. 1 to Nov. 10, 1873	1,100 00
James Bicknell ..	Messenger .....	do .....	do .....	Entire year .....	600 00

\* July 1 to September 30, 1873; paid out of special deposit.

† May 3 to June 9, 1874, paid out of special deposit.

‡ August 12 to September 30, 1873, paid out of special deposit.

B.—Statement showing the amount expended for salary of surveyor-general and clerks during the fiscal year ending June 30, 1874.

Period.	Regular service.	Out of special deposits.	Total.
Quarter ending September 30, 1873 .....	\$2,212 49	\$424 45	\$2,636 94
Quarter ending December 31, 1873 .....	2,765 46		2,765 46
Quarter ending March 31, 1874 .....	2,350 00		2,350 00
Quarter ending June 30, 1874 .....	2,172 05	114 83	2,286 88
<b>Total</b> .....	<b>9,500 00</b>	<b>539 28</b>	<b>10,039 28</b>

C.—Statement showing the amount expended for rent of office and incidental expenses during the fiscal year ending June 30, 1874.

Quarter ending September 30, 1873 .....	\$761 07
Quarter ending December 31, 1873 .....	441 83
Quarter ending March 31, 1874 .....	395 99
Quarter ending June 30, 1874 .....	397 40
<b>Total</b> .....	<b>1,996 29</b>

RECAPITULATION.

Salaries of surveyor-general and clerks during the year .....	\$10,039 28
Rent of office and incidental expenses during the year .....	1,996 29
<b>Total</b> .....	<b>12,035 57</b>

D.—Statement showing the extent and cost of surveys executed in Kansas during the fiscal year ending June 30, 1874, payable out of appropriation for such surveys, approved March 3, 1873.

Number of contract.	Name of deputy.	Standard-lines.	Township-lines.	Section-lines.	Date of appropriation.	Date of contract.	Rate per mile.	Amount for mileage.	Total of contract.
370	Covel & Thompson.....	<i>M. chs. lks.</i>	<i>M. chs. lks.</i>	<i>M. chs. lks.</i>	Mar. 3, 1873	Apr. 19, 1873	\$9 00	\$1,685 86	\$9,865 85
370	do.....	187 25 45	1,022 39 90	1,022 39 90	Mar. 3, 1873	Apr. 19, 1873	8 00	8,179 99	
371	Diefendorf & Moonlight.....	139 17 46	1,087 75 62	1,087 75 62	Mar. 3, 1873	Apr. 19, 1873	9 00	1,252 96	9,956 52
371	do.....	139 17 46	1,087 75 62	1,087 75 62	Mar. 3, 1873	Apr. 19, 1873	8 00	8,703 56	
372	McClure & Gillette.....	48 32 10	459 50 32	1,431 53 77	Mar. 3, 1873	Apr. 19, 1873	8 00	9,142 22	9,142 22
373	Armstrong, Burwell & Armstrong.....	48 32 10	459 50 32	1,431 53 77	Mar. 3, 1873	Apr. 21, 1873	12 00	580 81	
373	do.....	48 32 10	459 50 32	1,431 53 77	Mar. 3, 1873	Apr. 21, 1873	9 00	4,136 66	16,170 85
373	do.....	48 32 10	459 50 32	1,431 53 77	Mar. 3, 1873	Apr. 21, 1873	8 00	11,453 38	
374	Steele & Thrasher.....	21 52 85	147 60 04	621 19 39	Mar. 3, 1873	May 6, 1873	12 00	259 93	6,559 62
374	do.....	21 52 85	147 60 04	621 19 39	Mar. 3, 1873	May 6, 1873	9 00	1,329 75	
374	do.....	21 52 85	147 60 04	621 19 39	Mar. 3, 1873	May 6, 1873	8 00	4,969 94	7,103 17
374	do.....	21 52 85	147 60 04	621 19 39	Mar. 3, 1873	May 6, 1873	8 00	7,103 17	
375	Harvey & Spaulding.....	43 07 79	109 78 98	887 71 70	Mar. 3, 1873	May 9, 1873	8 00	430 97	*1,490 85
376	Robert Armstrong.....	43 07 79	109 78 98	887 71 70	Mar. 3, 1873	May 4, 1874	10 00	989 88	
376	do.....	43 07 79	109 78 98	887 71 70	Mar. 3, 1873	May 4, 1874	9 00	989 88	60,219 08
376	do.....	43 07 79	109 78 98	887 71 70	Mar. 3, 1873	May 4, 1874	9 00	989 88	
	Total.....	113 12 74	1,043 73 25	6,194 02 44					

\* \$219.08 of this amount was paid out of special deposits.



E.—Statement showing the extent and cost of surveys executed in Kansas during the fiscal year ending June 30, 1874, payable out of special deposits made in compliance with acts of May 30, 1862, and July 2, 1864.

Number of contract.	Name of deputy.	Township-lines.	Section-lines.	Date of contract.	Rate per mile.	Amount for mileage.	Total of contract.
369	McClure & Cosgray .....	<i>M. chs. lks.</i> 165 63 08	<i>M. chs. lks.</i> 782 66 76	Feb. 18, 1873	\$7 00	\$1,160 52	
369	do .....			Feb. 18, 1873	6 00	4,697 00	
*376	Robert Armstrong .....			May 4, 1874			\$5,857 52
1377	Frank C. Spaulding .....			May 16, 1874	Special.		219 08
	Total .....	165 63 08	782 66 76				60 00
							6,136 60

\* Partly payable out of appropriation for public surveys. (See Table D.)  
 † For the survey of two islands in the Arkansas River.

F.—Statement showing the amounts deposited by railroad companies and individuals for the survey of public lands in Kansas during the fiscal year ending June 30, 1874.

Name of depositor.	Date of deposit.	For surveys.	For office-work.	Total amt deposited.
Kansas Pacific Railway Company .....	April 1, 1874 .....	\$225 00	\$25 00	\$250 00
A. S. Teutschel .....	April 7, 1874 .....	60 00	30 00	90 00
Kansas Pacific Railway Company .....	May 8, 1874 .....	348 00	44 00	392 00
Total .....		633 00	99 00	732 00

G.—Statement showing the description of lands, and area of same, for which duplicate plats and transcript of field-notes have been transmitted to the Department, and triplicate plats and descriptive lists have been furnished the local land-offices at Wichita, Salina, and Cawker City, Kansas, during the fiscal year ending June 30, 1874.

AT WICHITA.

Township south.	Range west.	Area, in acres.	When plats and field-notes were transmitted.	When descriptive lists were transmitted.	Township south.	Range west.	Area, in acres.	When plats and field-notes were transmitted.	When descriptive lists were transmitted.
29	29	23,034.28	Dec. 1, 1873	May 28, 1874.	23	42	22,094.13	Dec. 1, 1873	May 28, 1874.
30	29	23,043.09	do	Do.	24	42	22,973.95	do	Do.
29	30	23,045.52	do	Do.	25	42	23,031.54	do	Do.
30	30	23,072.17	do	Do.	21	43	13,160.26	do	Do.
21	41	22,927.73	do	Do.	22	43	13,144.14	do	Do.
23	41	22,979.44	do	Do.	23	43	12,639.36	do	Do.
23	41	23,002.88	do	Do.	24	43	13,178.15	do	Do.
24	41	22,058.97	do	Do.	25	43	12,966.83	do	Do.
25	41	23,037.64	do	Do.					
21	42	22,951.68	do	Do.					
21	42	22,936.57	do	Do.	Total.		385,278.33		

G.—Statement showing the description of lands, &c.—Continued.

AT SALINA.

Township south.	Range west.	Area, in acres.	When plats and field-notes were transmitted.	When descriptive lists were transmitted.	Township south.	Range west.	Area, in acres.	When plats and field-notes were transmitted.	When descriptive lists were transmitted.
16	34	23, 021. 92	Aug. 8, 1873	May 28, 1874.	19	40	23, 170. 99	Oct. 3, 1873..	May 28, 1874.
17	34	23, 920. 09	do	Do.	20	40	23, 080. 68	do	Do.
18	34	23, 970. 45	do	Do.	11	41	22, 914. 03	do	Do.
19	34	23, 990. 92	do	Do.	12	41	22, 962. 23	do	Do.
20	34	23, 965. 40	do	Do.	13	41	23, 008. 08	do	Do.
16	35	23, 184. 03	do	Do.	14	41	23, 009. 45	do	Do.
17	35	23, 994. 73	do	Do.	15	41	23, 044. 64	do	Do.
18	35	23, 021. 56	do	Do.	16	41	22, 959. 20	do	Do.
19	35	23, 999. 88	do	Do.	17	41	23, 010. 54	Dec. 1, 1873.	Do.
20	35	23, 996. 12	do	Do.	18	41	23, 032. 40	do	Do.
16	36	23, 245. 70	do	Do.	19	41	23, 026. 51	do	Do.
17	36	23, 956. 44	do	Do.	20	41	22, 994. 24	do	Do.
18	36	23, 005. 92	do	Do.	11	42	23, 023. 84	Oct. 3, 1873..	Do.
19	36	22, 942. 85	Sept. 23, 1873	Do.	12	42	22, 981. 28	do	Do.
20	36	22, 999. 52	do	Do.	13	42	23, 058. 48	do	Do.
16	37	22, 889. 65	do	Do.	14	42	23, 087. 80	do	Do.
17	37	22, 566. 18	do	Do.	15	42	23, 064. 67	do	Do.
18	37	22, 669. 21	do	Do.	16	42	22, 836. 06	do	Do.
19	37	22, 760. 32	do	Do.	17	42	22, 917. 12	do	Do.
20	37	22, 939. 39	do	Do.	18	42	22, 983. 62	Dec. 1, 1873	Do.
16	38	22, 905. 18	do	Do.	19	42	22, 908. 57	do	Do.
17	38	22, 705. 80	do	Do.	20	42	23, 024. 99	do	Do.
18	38	22, 789. 65	do	Do.	11	43	2, 555. 25	Oct. 3, 1873..	Do.
19	38	22, 936. 99	do	Do.	12	43	2, 143. 12	do	Do.
20	38	23, 011. 28	do	Do.	13	43	1, 770. 64	do	Do.
16	39	23, 314. 05	do	Do.	14	43	1, 462. 00	do	Do.
17	39	23, 125. 99	do	Do.	15	43	1, 200. 88	do	Do.
18	39	23, 130. 68	do	Do.	16	43	6, 891. 19	do	Do.
19	39	23, 112. 24	do	Do.	17	43	6, 925. 55	do	Do.
20	39	23, 070. 99	do	Do.	18	43	7, 102. 39	Dec. 1, 1873	Do.
16	40	23, 327. 00	Oct. 3, 1873..	Do.	19	43	7, 253. 36	do	Do.
17	40	23, 242. 02	do	Do.	20	43	7, 336. 94	do	Do.
18	40	23, 220. 13	do	Do.					
					Total.		1, 309, 572. 32		

AT CAWKER CITY.

1	36	23, 049. 03	Dec. 1, 1873	May 28, 1874.	1	41	23, 067. 92	Oct. 14, 1873.	May 28, 1874.
2	36	23, 040. 16	do	Do.	2	41	23, 056. 96	do	Do.
3	36	23, 008. 08	do	Do.	3	41	23, 056. 64	do	Do.
1	37	22, 930. 23	do	Do.	4	41	23, 063. 08	do	Do.
2	37	22, 958. 88	do	Do.	5	41	23, 049. 60	do	Do.
3	37	23, 008. 99	do	Do.	6	41	22, 978. 24	do	Do.
4	37	23, 118. 80	do	Do.	7	41	22, 963. 68	do	Do.
5	37	23, 079. 22	do	Do.	8	41	22, 945. 04	do	Do.
1	38	23, 089. 73	do	Do.	9	41	22, 982. 58	do	Do.
2	38	23, 133. 83	do	Do.	10	41	23, 036. 36	do	Do.
3	38	23, 063. 21	do	Do.	1	42	15, 980. 90	do	Do.
4	38	23, 077. 97	do	Do.	2	42	15, 813. 07	do	Do.
5	38	23, 045. 52	do	Do.	3	42	15, 671. 32	do	Do.
1	39	23, 967. 21	do	Do.	4	42	15, 509. 34	do	Do.
2	39	23, 103. 28	do	Do.	5	42	15, 352. 78	do	Do.
3	39	23, 112. 72	do	Do.	6	42	20, 952. 91	do	Do.
4	39	23, 094. 69	do	Do.	7	42	20, 773. 63	do	Do.
5	39	23, 088. 94	do	Do.	8	42	20, 564. 25	do	Do.
1	40	23, 945. 52	Oct. 14, 1873	Do.	9	42	20, 322. 49	do	Do.
2	40	23, 111. 84	do	Do.	10	42	20, 011. 92	do	Do.
3	40	23, 113. 49	do	Do.					
4	40	23, 064. 40	do	Do.	Total.		941, 423. 81		
5	40	23, 030. 16	do	Do.					

H.—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 June 23, 1874.

Number of contract.	Name of deputy.	Standard-	Township-	Section-	Rate per mile.	Estimated cost.
		lines.	lines.	lines.		
		Miles.	Miles.	Miles.		
378	Wilcox & Rice.....		174		\$9	\$1,566 00
378	.....do.....			1,054	8	8,432 00
379	Gillette, McClure & Cosgray.....			1,500	8	12,000 00
380	Hugh T. Richards.....			606	8	4,848 00
381	Steele, Thrasher & Jones.....		190		9	1,710 00
381	.....do.....			920	8	7,360 00
382	Short & Cutler.....		154		9	1,386 00
382	.....do.....			1,055	8	8,440 00
383	Thompson & Burwell.....			1,250	8	10,000 00
384	Diefendorf & Moonlight.....	97			12	1,164 00
384	McCrary & Spaulding.....		412		9	3,708 00
384	.....do.....			1,819	8	14,552 00
385	Armstrong & Allison.....	169			12	2,028 00
385	.....do.....		526		9	4,734 00
385	.....do.....			807	8	6,456 00
	Total.....	266	1,456	9,011	.....	88,384 00

I.—Estimate of sums required for office-expenses for the fiscal year ending June 30, 1876.

Salary of surveyor-general.....	\$2,000
Salary of chief clerk.....	1,600
Salary of principal draughtsman.....	1,300
Salary of accountant.....	1,200
Messenger, rent, and other incidental expenses.....	2,000
Total.....	8,100

### G.—Report of the surveyor-general of New Mexico.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1874.

SIR: In compliance with directions contained in the letter of your predecessor, dated March 31 last, I have the honor to submit, in duplicate, the annual report of this office for the fiscal year ending June 30, 1874.

#### PUBLIC SURVEYS.

Contracts were let to deputies for surveys of public lands for an amount estimated at \$29,800 against the appropriation for that purpose of \$30,000. The work under these contracts was all properly executed and duly returned. Owing to unlooked-for circumstances, the amount of accounts under these contracts exceeded the appropriation by the sum of \$684.66. All the facts in regard to the matter are fully explained in the correspondence, copies of which, numbered 1, 2, 3, and 4, are annexed to the deficiency-estimate herewith submitted marked A, and dated July 29, 1874, at which time it was originally prepared and mailed to your Office. A tabular statement of the public-survey account in detail is submitted herewith, marked D. A tabular statement showing the average of subdivided townships at the beginning of the fiscal year, the subdivisions during the year, and the amount at its close, is also submitted, marked E. The work of Deputy White under contract for the previous fiscal year was under examination and in suspense at your Office at date of my last annual report. It having been finally so ordered, Deputy White took the field last fall and performed the work again. This caused the subdivision of a differently numbered township and a change in acreage; all of which is shown in the last-mentioned table. The number of acres in townships subdivided during the year is 927,584.54. For number of miles of exterior township and standard lines surveyed see statement of public-survey account marked D. No surveys of private land-claims have been made during the year except mining-claims, hereafter mentioned.

## PUBLIC LANDS.

The situation of the public lands, and questions connected therewith, remain much the same as at the date of my report one year ago. The reason for a more rapid extension of the public surveys and the placing of the public lands within the reach of settlers continues to increase. The advantages of the Territory for stock-raising, agricultural and mining purposes is rapidly becoming known, and it is attracting much attention from all parts of the country. To avoid prolixity and repetition, I respectfully refer to my reports of October 7, 1872, and August 15, 1873, as containing the facts, less natural increase, and request their careful examination previous to the preparation of the estimates for the consideration of the coming session of Congress. I also wish to refer to my letter of July 18, 1874, submitting estimates for the surveying service in this district for the fiscal year ending June 30, 1876, and the letter of Hon. S. B. Elkins, Delegate in Congress, of the same date, copies of which are herewith submitted, marked B.

## PRIVATE LAND-CLAIMS.

In pursuance of the act of Congress of July 22, 1854, establishing this office, I heard, approved, and, except Nos. 76 and 81, transmitted to your Office during the fiscal year ending June 30, 1874, the following private land-claims, to be submitted to Congress for its action: They are for lands claimed under the laws of Spain and Mexico and the eighth article of the treaty of Guadalupe Hidalgo of February 2, 1848, between the United States and Mexico.

No. 75. Juan Luis Ortiz, deceased, Sierra Masca tract, October 8, 1873.

No. 76. Town of Rio Colorado, January 6, 1874.

No. 77. Town of Ojo Caliente, January 2, 1874.

No. 78. Bartolome Fernandez, San Miguel Spring, January 7, 1874.

No. 79. Antonio Chaves, San Lorenzo tract, January 5, 1874.

No. 80. Juan de Mestas, February 5, 1874.

No. 81. Alfonso Rael de Aguilar, case not finally acted on.

No. 82. Salvador Gonzales, January 5, 1874.

No. 83. Town of Bernalillo, February 20, 1874.

No. 84. Juan José Gallegos, Angostura tract, February 28, 1874.

No. 85. Colony of Doña Ana Bend, March 31, 1874.

No. 86. Colony of Mesilla, February 12, 1874.

No. 87. Gaspar Ortiz y Bais, April 22, 1874.

No. 88. City of Santa Fé, April 13, 1874.

No. 89. Manuel Trujillo, Talaza tract, April 13, 1874.

No. 90. Colony of Refugio, May 18, 1874.

No. 91. Francisco Montes Vigil, Alameda town, June 30, 1874.

No. 92. Roival and Pelaez, Jacona tract, June 10, 1874.

No. 93. Antonio Elias Armenta, Rio Colorado Cañon tract, June 30, 1874.

T, Indian pueblos of Zia, Santa Ana, and Jemez, February 2, 1874.

The date above given in each case is that of the approval by this office.

I am not aware that action was had by Congress upon any private land-claims at its last session, nor indeed since March 3, 1869. It is of very great importance to both people and Government that these grants should be acted upon in some manner. The present situation has a profound influence in preventing the legitimate development of the Territory, for one reason among many others, that in considerable sections in portions that are easily accessible and very desirable, no person can tell what is public domain or private lands. For want of a feeling of security as to title, sales of land, either by Government or grant claimants, in such regions is practically closed out, and will so remain until some relief is afforded by Congress. Such a state of things is sufficient to paralyze the industry, energy, and hope of any people. The people also claim that it is an utter disregard of the eighth article of the treaty of Guadalupe Hidalgo and the well-established law of nations, and they are waiting very patiently for an adjustment of their land-titles. It is absolutely important, and growing more so every year, for the interest of all parties concerned, and for none more so than the Government, that these claims should be finally determined. Those confirmed should be surveyed and segregated from the public domain, and their boundaries properly marked on the face of the earth, and this too at the public expense, as the only just and practicable method of ascertaining the extent and situation of the public domain. As I remarked before, no private land-claim of this class has been surveyed during the past year; and further, during the twelve years that owners have been required to survey them at their own expense, but six have been surveyed in all. This pretty clearly indicates the feeling of owners, and the future prospect, unless the law is changed. For reasons already given in another paragraph, I wish again to refer to my report of one year ago, upon the subject of these claims, where I entered upon the consideration of them at some length. The situation is not changed, except for the worse, nor will it ever be, in my judgment, without a radical change of system. In the hope that the law will be changed so as to survey the confirmed grants at public expense, I submit an estimate of \$30,000 for that purpose for the fiscal year ending June 30, 1876.

## MINING-CLAIMS.

The following mining-claims have been surveyed and the field-notes returned to this office by duly appointed mineral deputy surveyors during the year:

Twilight Ledge Star mine, returned September 29, 1873.

Desideria, returned September 29, 1873.

Mohawk, returned September 29, 1873.

Seneca, returned September 29, 1873.

Emma, returned September 29, 1873.

Dexter, returned September 29, 1873.

Josephine, returned September 29, 1873.

Jessie, returned September 29, 1873.

Green Mountain, returned September 29, 1873.

Monmouth, returned September 29, 1873.

Republican, returned May 13, 1874.

The first-named is the only one that has been platted and the office-work concluded according to law, no deposit of funds having been made in any of the other cases, for that purpose, as required by law.

A list of mineral deputy surveyors appointed by and now holding commissions from this office, together with date of commission, residences, and district, is submitted, marked C. While but little seems to have been done in locating and developing new lodes, great activity has been shown in operating those already opened at Silver City, Socorro, and other points. A large amount of bullion has been shipped, and great additions made to machinery, buildings, and other improvements. Our mining interests increase steadily, and with the advent of railroads and capital, will become a source of great wealth and afford business to a very large population.

## USELESS RESERVATIONS.

I renew again the suggestion made in my last two reports, that the four following reservations, two Indian and two military, ought to be vacated by Congress as useless, they standing on our maps and records as legally existing:

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 Congress 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 Spring, 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.

I repeat the recommendation heretofore made, that the western boundary of the Territory ought to be surveyed and established as soon as practicable. It is of importance to many interests along the border, both in this Territory and Arizona, as well as being of national importance, to have the different territorial jurisdictions permanently defined and duly marked.

## RAILROADS.

The prospect of railroads being built into and through the Territory is not so flattering as it was last year, but still it is not at all discouraging under the circumstances. The opposition and hostility developed within the last few months, in other portions of the country, where the people have all the railroads they need, if not more, combined with the panic last fall in monetary matters, has had a bad effect, as might be expected. Capitalists are alarmed at the troubles and dangers that environ investments in railway enterprises, and not without cause. It is to be hoped, however, that a better state of feeling will soon manifest itself. There is no doubt that this would be expedited if the people who have so many railroads that they do not know what to do

with them, should happen to relapse to the ox-train and prairie-schooner system from which the railroads rescued them.

The Atlantic and Pacific line has prospects out this way. It has a splendid line, where snows of winter or heats of summer will not interfere with its construction or successful operation. It has a magnificent land-grant, and its line passes through a region that only requires the life-giving influence which itself will bring to make it one of the finest and most productive in wealth of any equal portion of the nation.

The Texas Pacific has a more southern line, adhering closely to the thirty-second parallel of latitude, and enters the Territory from Texas near Franklin, on the Rio Grande. It has a fine line, through first-class grazing, agricultural, and mining country, and also is endowed with a liberal grant of land.

The Atchison, Topeka and Santa Fé line is another good one, and the managers expect, during the next few months, to extend it about one hundred miles west from its present terminus at Granada, Colorado. This line is of great importance, and upon it the people of the Territory are building great expectations. It has no land-grant west of the Kansas State line, but deserves one, if any railroad company ever did, for it is managed and pushed along with energy and ability, and its managers seem to appreciate, in a proper manner, the naturally splendid country which they are approaching, and which only awaits the railroad-touch to blossom as the rose.

The Denver and Rio Grande, narrow gauge, is being pushed toward us as rapidly as could be expected under the circumstances, and is approaching the southern line of Colorado, doing a good deal of grading south of Pueblo, its present terminus. This extension of line, it is expected, will be ironed this fall. This road it is intended to extend into the valley of the Rio Grande, follow it down and connect with the railway-system being inaugurated in our sister republic of Mexico; and it cannot fail of being of immense importance and benefit to our people.

## OFFICE-WORK.

As explained in my letter inclosing estimates, the allowance for clerk-hire in this office is entirely inadequate to put the records in proper condition, and I respectfully urge the great importance of empowering me to employ the necessary force next year for that purpose. Contingent expenses are greater in this office than in others of the class, on account of the amount of stationery used, incidental to the business connected with Spanish and Mexican grants, and also from the high prices of such goods as we require, caused by the great expense of freight. I trust that my estimates will all meet your approval.

The following is a list of exhibits attached to this report:

- A.—Deficiency estimate and explanations.
- B.—Annual estimates and letter of Hon. S. B. Elkins.
- C.—List of commissioned mineral deputy surveyors.
- D.—Statement of executed surveys and their cost.
- E.—List of townships subdivided, and acreage.
- F.—Expenditures on account of salaries.
- G.—Incidental expenditures.
- H.—Condition of congressional appropriations.

Very respectfully, your obedient servant,

JAMES K. PROUDFIT,  
*United States Surveyor-General.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

## A.

SURVEYOR-GENERAL'S OFFICE,  
*Santa Fé, New Mexico, July 29, 1874.*

SIR: I wish to call your attention to a small deficiency-account for public surveying in this district, arising under the contracts for the fiscal year ending June 30, 1874.

I submitted the same to your predecessor in a letter dated February 18, 1874, with inclosures, and received reply dated March 2, 1874, to both of which I respectfully refer. I also wish to refer to my letter to your Office dated January 6, 1874, in relation to account of deputy George H. Pradt, and reply dated January 29, 1874, in regard to the same.

I submit deficiency-account for fiscal year ending June 30, 1874, as follows:

For Lewis Kingman, contract No. 53.....	\$305 28
For L. P. Drake, contract No. 55.....	119 28
For G. H. Pradt, contract No. 56.....	260 10

684 66

As you will observe from the correspondence referred to above that this deficiency did not arise for any want of proper care on my part, but simply on account of unlooked-for but necessary work which was faithfully performed, I trust you will submit the same with your approval to the coming session of Congress.

I am, very respectfully, your obedient servant,

JAMES K. PROUDFIT,  
*Surveyor-General.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

## 1.

SURVEYOR-GENERAL'S OFFICE,  
*Santa Fé, N. Mex., January 6, 1874.*

SIR: Your letter of 12th ultimo, in relation to account of Deputy George H. Pradt, for work under his contract, No. 56, and allowing the same at \$6,400, came duly to hand. While it is true that the contract limits the amount to \$6,400 in words, such was not the agreement nor intention, but is an error of mine in framing the language. I intended, and Mr. Pradt understood, that it was simply an estimate that he was to work as closely to as practicable, and close work in certain limits. He reports that it was impracticable for him to keep the exact amount of his work in the field, but he did the work in good faith, not intending to exceed his contract, and he respectfully prays that, with this explanation, he may be allowed the remainder of his account.

If, however, this cannot legally be done, he respectfully inquires if the account is correct in amount so that he can apply to Congress for relief, the balance according to the account forwarded being \$260.10.

I am, very respectfully, your obedient servant,

JAMES K. PROUDFIT,  
*Surveyor-General.*

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

## 2.

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,  
*Washington, D. C., January 29, 1874*

SIR: In reply to your communication of the 6th instant, I have to inform you that the correct amount deducted from George H. Pradt's account is \$260.10.

Very respectfully,

WILLIS DRUMMOND,  
*Commissioner.*

JAMES K. PROUDFIT, Esq.,  
*United States Surveyor-General, Santa Fé, N. Mex.*

## 3.

SURVEYOR-GENERAL'S OFFICE,  
*Santa Fé, N. Mex., February 18, 1874.*

SIR: I respectfully submit a statement of public moneys expended through this office during the current fiscal year for public-land surveys, showing necessity for a small deficiency appropriation, with reasons therefor.

The appropriation for surveying public lands is .....	\$30,000 00
Against which accounts presented are as follows:	
Lewis Kingman, contract No. 53 .....	\$7,525 10
Griffin and McMullen, contract No. 54 .....	9,395 45
L. P. Drake, contract No. 55 .....	7,104 01
George H. Pradt, contract No. 56 .....	6,660 10
	30,684 66

Making deficiency to be provided for .....

\$684 66

The amount which I estimated for these contracts was \$29,800.

For reasons stated in my letter to you of the 6th ultimo, Deputy Pradt's account exceeded the limits of the contract by the sum of \$260.10. I inclose herewith a copy of the letter mentioned, and your reply of 29th ultimo, marked A.

Deputy Drake's contract being entirely for subdivisinal lines, and it not being anticipated, at the time of writing it, that any higher-priced lines would have to be run by him, no provision was then made for such contingency, and his account was allowed at the price of subdivisinal lines only, or \$10 per mile. It is a fact, however, that he was obliged to re-establish a few miles of lines which were originally established at a greater price. The excess over \$10 per mile, or amount disallowed, is \$119.28. When Deputy Drake took the field, July 26, 1873, it being then deemed possible that he might have to re-establish some higher-priced lines, I instructed him that he would be allowed the customary rates for such work, that is, the original price paid. I inclose copy of extract from the special instructions of July 26, 1873, which I then gave him, marked B, in explanation of his account.

If Deputy Kingman's account, forwarded on 10th instant, be found correct, there will be a deficiency in the sum of \$305.28.

To total deficiency being caused simply by unlooked-for but necessary field-work, the account being found correct in your Office, and the work having been executed honestly and in good faith by the deputies, I trust you will submit to Congress, with your approval, a deficiency estimate for the current fiscal year for public-land surveys in this district, as follows:

For Lewis Kingman, contract No. 53.....	\$305 28
For L. P. Drake, contract No. 55.....	119 28
For George H. Pradt, contract No. 56.....	260 10

All of which is respectfully submitted.

JAMES K. PROUDFIT,

*United States Surveyor-General for New Mexico.*

Hon. WILLIS DRUMMOND,

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

4.

DEPARTMENT OF THE INTERIOR, GENERAL LAND-OFFICE,

*Washington, D. C., March 2, 1874.*

SIR: I am in receipt of your letter of the 18th ultimo, informing me that you have exceeded the appropriation for surveys of public lands for the fiscal year ending June 30, 1874, and request that a deficiency estimate to the amount of \$684.66 be submitted to Congress.

In reply, I have to inform you that our regular and deficiency estimates have been presented to Congress, and that the deficiency referred to will be submitted with the estimates for the fiscal year ending June 30, 1876.

Very respectfully,

WILLIS DRUMMOND,

*Commissioner.*

JAMES K. PROUDFIT, Esq.,

*United States Surveyor-General, Santa Fé, N. Mex.*

B.

SURVEYOR-GENERAL'S OFFICE,

*Santa Fé, N. Mex., July 18, 1874.*

SIR: I have the honor to submit estimates for the surveying service in this district for the fiscal year ending June 30, 1876:

For salary of surveyor-general.....	\$3,000
For salary of translator and chief clerk.....	2,000
For salary of two draughtsmen.....	3,000
For salary of six clerks.....	9,000
	17,000

For incidental expenses.....	3,000
For purchase of office safe and furniture.....	5,000
For surveys of public land.....	120,000
For surveys of confirmed private land-claims.....	30,000



I wish to say, in support of these estimates, a few words in truth and soberness. The estimate for salary of draughtsmen and clerks is believed to be proper, considering the work which ought to be done. Apart from the absolutely necessary current services, in case of the more rapid prosecution of the surveys, I do most sincerely hope that we shall be allowed funds sufficient to bring up the records of the office in regard to Spanish and Mexican private land-grants. The fact seems to have been lost sight of that the clerical force of this office ought always to have been much larger than that of an office which only superintends public surveys. My own time is very largely devoted to duties connected with private land-claims; indeed, more than half my labor and study is in regard to those matters. The clerical force has been entirely inadequate to the work during the past year, and much work has been done during that period at private expense, which is believed to be in derogation of the eighth article of the treaty of Guadalupe Hidalgo. Apart from this trouble in regard to current work, the records of the office are years behind, and not in such condition as is proper for archives of such vast importance to the Government and citizens. After the work is once brought up, a much smaller annual appropriation for the purpose will suffice. The appropriation for the fiscal year ending June 30, 1875, will not be sufficient for current work, and we shall be worse off than then now.

I ask for means to procure office-furniture proper for the safety of the archives and records, for the comfort of employes, and the good appearance of the office. The office has never been furnished as it should be. The archives in regard to private land-claims are especially of vast importance and value, and are constantly in danger of destruction by fire, being kept in common wooden cases. Their loss would be almost irreparable. The desk and chair that I have used for a year past are my own private property, and what office-furniture there is is inconvenient, rickety, and dilapidated to the last degree. I desire to procure a large fire-proof safe for the archives and to furnish the office substantially and economically. For this purpose I estimate five thousand dollars, thinking it will be none too much in view of the great expense of transportation. All goods used are so expensive for the same reason that I request \$3,000 as an amount necessary for rent, stationery, fuel, books, instruments, lights, portorage, express, telegraphing, &c.

In regard to amount for public surveys, I can do no better than to urge the same reasons which I have heretofore done, and respectfully refer to my annual reports of October 7, 1872, and August 15, 1873. All the reasons there given still exist and gain force as time passes away. The demand for surveys is pressing and increasing, and large quantities of the public domain may be disposed of if it is only surveyed and placed in market.

In regard to surveys of private land-claims, I have estimated \$30,000, in the hope that Government will return to the practice as it existed previous to 1862. In regard to this matter, I wish to respectfully refer to my reports above mentioned and to my letter of November 26, 1872, to your Office.

I inclose herewith letter of Hon. S. B. Elkins, of even date herewith, in relation to the estimates, and which I ask may be considered as a part of this communication.

I am, very respectfully, your obedient servant,

JAMES K. PROUDFIT,  
*Surveyor-General.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

SANTA FÉ, N. MEX., July 18, 1874.

SIR: Referring to the estimates of Gen. J. K. Proudfit, surveyor-general of New Mexico, for the year ending June 30, 1876, which I have just read, I beg to submit the following in connection therewith, for your consideration.

1. From my own personal knowledge, derived from close contact with the office as a practicing attorney for years, I can state with positive certainty that the work of the office is much behind, and never can be brought up unless a larger clerical force is provided. This large amount of work is induced by the fact that the surveyor-general, under existing laws, has the custody and adjudication of the Spanish and Mexican land-grants, all of which are deposited in his office.

2. I fully agree with the estimate for office furniture and safe. The fact is, without a suitable safe there is no kind of security for the archives and public documents.

3. In respect to the estimate for extending the public surveys, I desire to say that the appropriations have always been too small. But a very small part of the public lands have been surveyed, and heretofore, owing to Indian hostilities, only the public lands nearest the settlements have been surveyed. Since 1870 Indian hostilities have been partially suppressed, and some of the best portions of the Territory, both east and west of the Rio Grande, have been opened to settlement, and there is great com-

plaint that, owing to there being no surveys, there is no way to obtain titles. The Territory is fast settling up; immigration is pouring in from every quarter, and it is indispensably necessary that the public surveys should be extended so that new settlers may obtain titles. The agitation of the State question has also given an increased impetus to immigration. It will also be remembered that five lines of railways are under construction, and pointing toward New Mexico. Three of these lines approach the Territory from the northeast, and are within 90 miles from our borders, and will pass through the best portion of the whole country. This fact should also be taken into consideration in making the estimates. It is believed by the year 1876 New Mexico will receive an accession to her population by at least fifty thousand people, mostly stock-growers and farmers, and all will need land and farms.

4. The private land-claims or Spanish grants will embrace about 6,000,000 acres of land, and under the treaty there seems to be no doubt but that the United States are obliged to survey these grants at the public expense, and I believe the bill now pending in the House will pass authorizing the surveys to be made in this way. If so, the estimate made by General Proudfit is very proper and reasonable.

The records of your Office will show that, notwithstanding New Mexico has for years had the largest population of any other Territory in the Union, and has now, yet the appropriations for surveys have been smaller than almost any other. I beg your attention to the census of 1870, and the appropriations made since and before that time to the Territory, to convince you that New Mexico has not fared justly in this branch of the public service.

I therefore respectfully urge and request that the estimate made by General Proudfit be approved.

Very respectfully, your obedient servant,

S. B. ELKINS.

Hon. S. S. BURDETT,  
Commissioner General Land-Office.

C.—List of mineral deputy surveyors appointed and commissioned by the surveyor-general of New Mexico, under the mining act of Congress of May 10, 1872.

Appointee.	Commissioned.	Residence.	District.	Remarks.
Alexander Brand ..	Sept. 30, 1872	Santa Ana County .....	Ruby mining,	See also January 13, 1873.
William McMullen	Oct. 3, 1872	City of Santa Fé .....	New Mexico.	
William White ....	Oct. 9, 1872	.....do .....	.....do .....	Commission canceled March 1, 1873.
J. Howe Watts ....	Oct. 18, 1872	.....do .....	.....do .....	
Robert M. Kidder ..	Nov. 18, 1872	Silver City, Grant County.	.....do .....	
Walter G. Marmon ..	Nov. 23, 1872	Laguna, Bernalillo County.	.....do .....	
George H. Pradt ...	Dec. 7, 1872	City of Santa Fé .....	.....do .....	
George Way .....	Dec. 27, 1872	Socorro, Socorro County ..	.....do .....	Recommissioned.
Alexander Brand ..	Jan. 13, 1873	Fort Bayard, Grant County.	.....do .....	
Lewis Kingman ....	Mar. 8, 1873	Cimarron, Colfax County ..	.....do .....	
A. D. Thorne .....	Apr. 19, 1873	Limitar, Socorro County ..	.....do .....	
Walter G. Marmon ..	Apr. 22, 1873	Laguna, Bernalillo County.	.....do .....	
Robert G. Marmon ..	Apr. 23, 1873	.....do .....	.....do .....	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1874

D.—Statement of public surveys made in the district of New Mexico during the fiscal year ending June 30, 1874

Contracts.		Contractors.	Character of survey.	Townships.	Ranges.	Surveyed.			Cost.
No.	Date.					M.	C.	L.	
53	Apr. 11, 1873	Lewis Kingman	Fifth standard parallel north	24 E	34 E	18	45	25	} \$15
53	do	do	Sixth standard parallel north	25 26, 27 E	25 26, 27 E	30	30	30	
53	do	do	Seventh standard parallel north	24 and 25 E	24 and 25 E	48	48	48	
53	do	do	Third guide-meridian east	25 26, 27 E	25 26, 27 E				
53	do	do	Township exterior	25 26, 27 E	25 26, 27 E				
53	do	do	do	21, 22, 23, 24, 25, 26, 27, 28 N	26 and 27 N				
53	do	do	do	26 and 27 N	27 and 28 N				
53	do	do	do	27 and 28 N	29 and 30 N				
53	do	do	do	29 and 30 N	30 and 31 N				
53	do	do	do	30 and 31 N	31 and 32 N				
53	do	do	do	25, 26, 27, and 28 N	25, 26, 27, and 28 N	185	19	73	} \$7,925 10
53	do	do	do	25, 26, 27, and 28 N	26 and 27 E				
53	do	do	do	25, 26, 27, and 28 N	27 and 28 E				
53	do	do	do	25, 26, 27, and 28 N	27 and 28 E				
53	do	do	do	29, 30, 31, and 32 N	29 and 30 E				
53	do	do	Closings on parallels	29, 30, 31, and 32 N	30 and 31 E				
53	do	do	Subdivisional	25 N	25 E				
53	do	do	do	26 N	25 E				
53	do	do	do	27 N	25 E				
53	do	do	do	25 N	27 E				
53	do	do	do	30 N	29 E				
53	do	do	do	31 N	29 E				
53	do	do	do	32 N	29 E				
53	do	do	Connections	29 E	29 E				
54	do	Griffin & McMullen	Township exterior	16 and 17 S	14 and 15 W				
54	do	do	do	17 and 18 S	14 and 15 W				
54	do	do	do	18 and 19 S	14 and 15 W				
54	do	do	do	19 and 20 S	14 and 15 W				
54	do	do	do	21 and 22 S	14, 15, and 16 W				
54	do	do	do	22 and 23 S	14, 15, and 16 W				
54	do	do	do	23 and 24 S	13, 14, 15, and 16 W				
54	do	do	do	24 and 25 S	13, 14, 15, and 16 W				
54	do	do	do	24 and 25 S	12 and 13 W				
54	do	do	do	13 and 14 S	21, 22, 23, 24, 25 W				
54	do	do	do	14 and 15 S	17, 18, 19, 20, 21, 22, 23, 24, 25 W				
54	do	do	do	15 and 16 S	17, 18, 19, 20, 21, 22, 23, 24, 25 W				
54	do	do	Closings on parallels	17 S	14 W				
54	do	do	Closings on Silver City town-site	18 S	13 and 14 W				
54	do	do	Subdivisional	18 S	14 W				
54	do	do	do	19 S	14 W				
54	do	do	do	20 S	14 W				
54	do	do	do	599	79	30			5,899 90
				385	29	44			10
				382	77	03			12
									3,395 55



E.—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, 1874.

Whole number subdivided.	Township.	Range.	Public land.	Private claims.	Reservations.	Total acres.	Remarks.
			3,689,474.29	278,512.54	13,960.00	3,981,952.83	Totals reported June 30, 1873.
188	12 south	25 east.	} 46,679.41	.....	.....	46,679.41	Deducted because changed by subsequent field-work.
189	13 south.	26 east..					
			3,642,794.88	278,512.54	13,960.00	3,935,273.42	True totals for June 30, 1873.
188	12 south	26 east..	22,129.50	.....	.....	22,129.50	
189	13 south	26 east..	23,060.59	.....	.....	23,060.59	
190	25 north.	25 east..	22,970.33	.....	.....	22,970.33	
191	25 north	27 east..	23,055.11	.....	.....	23,055.11	
192	26 north	25 east..	22,949.25	.....	.....	22,949.25	
193	27 north	25 east..	22,934.08	.....	.....	22,934.08	
194	30 north	29 east..	23,014.82	.....	.....	23,014.82	
195	31 north	29 east..	22,997.47	.....	.....	22,997.47	
196	32 north.	29 east..	9,908.14	.....	.....	9,908.14	Fractional township on north boundary of territory.
197	17 south.	14 west..	22,880.60	87.55	.....	22,968.15	Embracing Peabody mine and portion of Silver City town site.
198	18 south.	13 west..	23,062.64	6.89	.....	23,069.53	Embracing Twilight ledge star mine.
199	18 south	14 west..	22,556.08	555.28	.....	23,111.36	Embracing portion of Silver City town site.
200	19 south	14 west..	23,211.38	.....	.....	23,211.38	
201	20 south.	14 west..	23,154.04	.....	.....	23,154.04	
202	23 south	14 west..	23,017.04	.....	.....	23,017.04	
203	24 south	13 west..	23,021.31	.....	.....	23,021.31	
204	24 south	14 west..	23,027.15	.....	.....	23,027.15	
205	25 south	13 west..	23,084.77	.....	.....	23,084.77	
206	25 south	14 west..	23,030.66	.....	.....	23,030.66	
207	10 north.	23 east..	784.17	22,255.83	.....	23,040.00	Embracing portion of the Preston Beck grant.
208	10 north.	24 east..	20,458.53	2,581.47	.....	23,040.00	Do.
209	10 north.	25 east..	23,044.26	.....	.....	23,044.26	
210	11 north	23 east..	10,585.15	12,454.85	.....	23,040.00	Do.
211	11 north.	24 east..	22,984.39	.....	.....	22,984.39	
212	11 north.	25 east..	23,039.28	.....	.....	23,039.28	
213	11 north.	26 east..	18,721.27	4,318.73	.....	23,040.00	Embracing portion of the Pablo Montoya grant.
214	12 north.	22 east..	1,425.65	21,614.35	.....	23,040.00	Embracing portion of the Preston Beck grant.
215	12 north	23 east..	21,441.64	1,598.36	.....	23,040.00	Do.
216	12 north.	24 east..	23,020.74	.....	.....	23,020.74	
217	12 north.	25 east..	23,020.72	.....	.....	23,020.72	
218	13 north	24 east..	23,073.78	.....	.....	23,073.78	
219	13 north	25 east..	17,002.28	6,037.72	.....	23,040.00	Embracing portion of the Pablo Montoya grant.
220	14 north.	24 east..	22,786.53	253.47	.....	23,040.00	Do.
221	10 north	9 west..	18,141.69	.....	.....	18,141.69	Fractional township.
222	10 north	10 west..	13,885.71	.....	.....	13,885.71	Do.
223	11 north.	9 west..	5,834.88	.....	.....	5,834.88	Do.
224	11 north.	10 west..	14,683.95	.....	.....	14,683.95	Do.
225	12 north.	9 west..	13,368.32	.....	.....	13,368.32	Do.
226	12 north.	10 west..	22,904.80	.....	.....	22,904.80	
227	12 north.	11 west..	19,073.29	.....	.....	19,073.29	Do.
228	13 north.	7 west..	452.89	.....	.....	452.89	Fractional township surveyed for settlers.
229	13 north.	8 west..	12,590.40	.....	.....	12,590.40	Fractional township.
230	13 north.	9 west..	20,025.33	.....	.....	20,025.33	Do.
231	13 north.	10 west..	23,069.81	.....	.....	23,069.81	
232	13 north.	11 west..	17,356.62	.....	.....	17,356.62	Do.
			4,498,615.92	350,283.04	13,960.00	4,862,858.96	Totals for June 30, 1874.

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE, Santa Fé, N. Mex., August 15, 1874.

F. —Statement of expenditures in the office of the surveyor-general of New Mexico for salaries during the fiscal year ending June 30, 1874.

Fiscal quarter.	Name.	Position.	Salary.	Time served.		Amount.	Remarks.
				From, inclusive.	To, inclusive.		
First	James K. Proudft	Surveyor-general	\$3,000	July 1	Sept. 30	\$750 00	
	David J. Miller	Translator and chief clerk	2,000	July 1	Sept. 30	500 00	
	Levi P. Drake	Draughtsman	1,500	July 1	July 21	85 59	
	Chandler Robbins	do.	1,200	July 1	July 21	65 21	
	John P. Risque	do.	1,500	July 13	Sept. 2	211 95	
	William C. Stevens	Clerk	1,500	July 1	Sept. 30	375 00	
	Byron J. Smith	do.	1,500	July 1	July 15	61 14	
	do.	do.	1,500	Sept.	Sept. 30	122 28	
	James K. Proudft	Surveyor-general	3,000	Oct. 1	Dec. 31	750 00	
	David J. Miller	Translator and chief clerk	2,000	Oct. 1	Dec. 31	500 00	
Second	William C. Stevens	Clerk	1,500	Oct. 1	Dec. 31	375 00	
	Byron J. Smith	do.	1,500	Oct. 1	Dec. 31	375 00	
	George H. Pradt	do.	1,500	Oct. 1	Dec. 31	375 00	
	Levi P. Drake	Draughtsman	1,500	Nov. 1	Dec. 31	248 64	
	Chandler Robbins	do.	1,500	Nov. 1	Dec. 31	248 64	
	Lewis Kingman	do.	1,500	Nov. 24	Dec. 31	122 29	
	James K. Proudft	Surveyor-general	3,000	Jan. 1	Mar. 31	750 00	
	David J. Miller	Translator and chief clerk	2,000	Jan. 1	Mar. 31	500 00	
	William C. Stevens	Clerk	1,500	Jan. 1	Mar. 31	375 00	
	Byron J. Smith	do.	1,500	Jan. 1	Mar. 31	375 00	
Third	Levi P. Drake	Draughtsman	1,500	Jan. 1	Jan. 31	139 16	
	Chandler Robbins	do.	1,500	Jan. 1	Jan. 31	139 16	
	James K. Proudft	Surveyor-general	3,000	Apr. 1	June 30	750 00	
	David J. Miller	Translator and chief clerk	2,000	Apr. 1	June 30	500 00	
	Levi P. Drake	Draughtsman	1,500	Apr. 1	June 30	375 00	
	William C. Stevens	Clerk	1,500	Apr. 1	June 30	375 00	
	Byron J. Smith	do.	1,500	Apr. 1	June 30	375 00	
	Total for fiscal year					10,044 90	

Also \$744.90 paid clerks from special deposits.

JAMES K. PROUDFT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fe, N. Mex., August 15, 1874.

## G.—Statement of incidental expenditures in the office of the surveyor-general of New Mexico during the fiscal year ending June 30, 1874.

Fiscal quarter.	Name.	Consideration.	Time.		Amount.	Remarks.
			From—	To—		
1	Warren Choate & Co.	Postal balances .....			\$13 50	
1	Johnson & Koch .....	Carpeting, &c .....			137 46	
1	Preston Jones .....	Services as messenger .....	July 1	Sept. 30	120 00	
1	James K. Proudftt .....	Sundries .....			351 50	Vouchers 1, 2, 3, 4, 5, 6.
2	Robert Beall .....	Field-notes paper .....			13 00	
2	Preston Jones .....	Services as messenger .....	Oct. 1	Dec. 31	120 00	
2	James K. Proudftt .....	Sundries .....			476 65	Vouchers 1, 2, 3, 4, 5, 6, 7.
3	Telesfor Jaramillo .....	Rent of office .....	Jan. 1	Mar. 31	150 00	
3	Placido Sanchez .....	Services as messenger .....	Jan. 1	Mar. 31	65 00	
3	D. McClelland .....	Blank township-plats .....			20 00	
3	James K. Proudftt .....	Sundries .....			280 35	Vouchers 1, 2, 3, 4, 5.
4	Telesfor Jaramillo .....	Rent of office .....	April 1	June 30	150 00	
4	Nicanor Ortiz .....	Services as messenger .....	April 1	June 30	60 00	
4	James K. Proudftt .....	Sundries .....			62 50	Vouchers 1, 2, 3, 4.
					1, 999 96	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1874.

## H.—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, 1874.

Appropriation for—	Amount.	Expended.	Remarks.
Public surveys .....	\$30, 000 00	\$30, 000 00	Exclusive of \$684.66 deficiency.
Salary of surveyor-general .....	3, 000 00	3, 000 00	
Salary of clerks .....	6, 300 00	6, 300 00	Besides \$744.90 from special deposits.
Contingent expenses .....	2, 000 00	1, 999 96	
Total .....	41, 300 00	41, 299 96	

JAMES K. PROUDFIT,  
United States Surveyor-General.

SURVEYOR-GENERAL'S OFFICE,  
Santa Fé, N. Mex., August 15, 1874.

## H.—Report of the Surveyor-General of Colorado.

SURVEYOR-GENERAL'S OFFICE,  
Denver, Colo., August 25, 1874.

SIR: I have the honor to submit the following report of the official operations of this office for the year ending June 30, 1874, together with a map showing the progress of public surveys.

Statement A shows the surveys made under the regular appropriation for the year ending June 30, 1874.

Statement B shows the surveys made under the act of Congress approved May 30, 1862, and the amendatory act thereto, approved March 3, 1871.

Statement C shows the number of townships surveyed during the year ending June 30, 1874, and the area of public land contained in the same.

Statement D contains the number, names, date of approval, and location of mining claims surveyed during the past fiscal year, under the acts of Congress of July 26, 1866, and May 10, 1872, together with the amount deposited for office expenses for the same.

Statement E shows the amount of salaries paid surveyor-general and clerks in his office for the year ending June 30, 1874.

Statement F shows the amount expended for rent of office and other incidental expenses.

Statement G shows the estimates for the surveying service for the year ending June 30, 1876; also, salaries and office expenses for the same year.

The appropriation of \$80,000 for the survey of public lands in this Territory during the last fiscal year has been all expended. This appropriation was about equally divided between the running of meridian, standard, and exterior lines, and the subdividing of townships. Meridian and standard lines have been extended and established as follows: The sixth guide meridian between ranges 48 and 49 west, through townships 1, 2, 3, 4, 5, 6, 7, and 8 north, and townships 1, 2, 3, 4, 5, 26, 27, 28, 29, and 30 south; the seventh guide meridian between ranges 56 and 57 west, through townships 31, 32, 33, 34, and 35 south; the tenth guide meridian between ranges 80 and 81 west, through townships 2, 3, and 4 north; New Mexico, principal meridian through townships 45 and 46 north; the first guide meridian east between ranges 8 and 9 east, through townships 48, 49, 50, and 51 north; the first correction line north through ranges 42, 43, 44, 45, 46, 47, 48, 49, 50, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, and 96 west; the tenth correction line north through ranges 1, 2, and 3 east; the eleventh correction line north through ranges 1, 2, 3, 4, and 5 east; the twelfth correction line north through ranges 8 and 9 east; the first correction line south through ranges 42, 43, 44, 45, 46, 47, 48, 49, 50, and 51 west; the fourth correction line south through ranges 41 and 42 west; the fifth correction line south through ranges 41, 42, 43, 44, 45, 46, 47, and 48 west; the sixth correction line south through ranges 49, 50, 51, 52, and 53 west.

In addition to the meridian and standard lines, nearly 2,200 miles of exterior lines have been run and 105 townships were subdivided.

#### AGRICULTURE.

Careful experiments have shown that lands heretofore regarded as worthless and unproductive, within the Territory of Colorado, under irrigation and cultivation have become fertile and productive in a highly remunerative degree. As a result the area of cultivated lands increases year by year, and the reports show a larger return for labor as the methods of irrigation become better understood and applied. The irrigation of all this arid waste may not lie within the vision of possibility at present, but the river system of Colorado, the South Platte traversing its northern tier of counties, the Arkansas sending its waters through its interior lines, the Colorado and Rio Grande in their higher sources passing through its southwestern borders, all these being utilized as they may be, will bring abundant harvests to wide spaces heretofore lying waste.

#### ACTUAL SETTLERS.

The Government is eminently wise and just in its policy of encouraging actual settlers to become the owners of the soil, and they should be shielded by every possible guarantee. Upon their success depends the prosperity of the Territory. Their strong arms, clear heads, and warm hearts must work out the high destiny which is confidently predicted for Colorado. They should be protected against all monopolies, the aim of which is to own lands simply for purposes of speculation. The lands on which they are thus encouraged to settle should be surveyed at the earliest practicable moment, in order to give them speedy opportunity of title and ownership; and to this end there should be more liberal appropriations by Congress. Settlers, as a rule, are limited in their pecuniary resources, their means in most cases being quite exhausted in reaching our borders, and consequently they are for the most part unable to avail themselves of the provisions of the acts of Congress authorizing surveys to be made on individual deposits. It is, therefore, the part of wisdom as well as humanity, for the Government to aid them at such a needy moment. Nor this alone, but it is of vital moment that they should be rendered reasonably secure against the predatory and often murderous incursions of hostile Indians. The importance of such security can scarcely be magnified, and without a suggestion as to the best policy, the duty is nevertheless imperative of adopting some measures to protect the settler and his family in larger and better improvements than are now possible under surrounding uncertainties.

#### GRAZING.

The grazing interest of Colorado is one of growing importance. Outside the limits of irrigation, and even where it is impracticable, the natural grasses, growing under our limited supply of rain, furnish subsistence for immense herds of cattle. Native grass while short is wonderfully nutritious, and cattle will grow fat on plains whereon a Pennsylvania farmer would affirm at first sight they would starve to death. When Horace Greeley visited this Territory he inquired of a settler, "What do your cattle live on?" The settler replied, "On that grass, sir." "But," retorted Greeley, "that grass is not knee-high to a bumble-bee, and I can't see how you get something out of nothing." However much appearances may be against it, the fact is patent that cattle and stock of all kinds live and thrive, increase and multiply, on the natural grasses of Colorado. As the buffalo disappears the domestic animal must take his place, and the boundless plains of Colorado continue to be "the pasture-field of the continent." The grazing and agricultural interests need never be in conflict with each other, because the feed-supply is sufficient for all seasons of the year.



## UTE RESERVATION.

Since the last annual report of this office, it has been notified of the ratification by Congress of the agreement made by Hon. Felix R. Brunot, commissioner on the part of the United States, with certain Ute Indians, whereby a large domain has been ceded to the Government within the boundaries of Colorado. The lands thus acquired should be speedily surveyed, and settlements on the same thereby encouraged, not only for their own sake, but for the protection that would thus be given to some of the richest mining interests of the Territory, lying within and adjacent to this newly-acquired possession.

## RAILROADS.

In addition to the six hundred miles of railroad in operation as reported last year the Arkansas Valley Railroad has been completed from Kit Carson to West Las Animas, a distance of fifty-four miles, thus bringing a large traffic from Southern Colorado and Northern New Mexico. The Denver and South Park Railroad has been pushed forward, notwithstanding the stringency of the times, and is now opened to Morrison, at the mouth of Bear Creek Cañon. This road will bring into an excellent market building material of the best quality—not only lumber of the best grade in the country, but sandstone and granite of excellent texture and varied colors, as also lime and gypsum of superior types. At no distant day the Arkansas Valley Railroad will be extended to Pueblo, thus giving a direct eastern outlet for Southern Colorado; also the Golden and Julesburg road, which will give transportation to the products of the South Platte Valley.

## MINES AND MINING.

The mining interests of the Territory continue to wear a promising outlook. New discoveries are constantly being made, and much capital and energy are applied to their development. The old mines hold out well, while the new ones give promise of encouraging remuneration, as well to claimant and owner as to prospector and miner. The mountains are dotted all over with the claims of the miner, and gulch, cañon, and cliff alike resound with the din of the busy delver after the coveted gold and silver. Gold Hill district, now undergoing active development, is regarded by the miner as a region superbly rich with deposits of the precious metals. The vast region known as the San Juan country, heretofore mainly covered by the Ute Indian reservation, is considered one of the richest mineral sections on the continent, and hundreds of enterprising men are awaiting the time when the jurisdiction of the Government shall attach thereto, in order that they may enter it to develop its resources, with the assurance of acquiring legal titles to the claims which their industry and enterprise may establish and improve. Rich placer-mines are reported on the headwaters of the Snake River, and much interest is concentrating there. The great need of the mining interests of the Territory is machinery and works to reduce the ores, immense quantities of which are lying in the mountains, awaiting the process of reduction. This want has suggested itself to men of means and energy, and since the erection and carrying on of such works, admittedly secure handsome returns of profit to their proprietors and owners; it is not doubted that in a short time this great want will be at least measurably provided for. This done, Colorado will not be long in reaching the front rank of mining regions. The number of applications for surveys of lodes and other mineral claims is steadily increasing.

## EXPORTS.

The exports of the Territory are beginning to assume an aspect of importance. The grains grown under a system of irrigation are known to be of a superior quality. The absence of rains during the harvesting period precludes that mustiness and aftergrowth which, in many sections, are so troublesome. As a result, large shipments of flour have been made to the East during the past year. This superior quality of grain, together with the increased certainties of a fall crop under irrigation, must invite a wider attention to this remunerative branch of agriculture.

## RESORT FOR HEALTH AND PLEASURE.

Colorado is becoming more and more largely a resort for health and pleasure seekers. Its grand natural scenery, its dry and invigorating atmosphere, its natural medicinal waters, must bring its health and pleasure contributing features into still wider notice. Nor is this benefit confined to the milder seasons of the year, but even the winters are now believed to be equally grateful to enfeebled systems.

Very respectfully, your obedient servant,

T. B. SEARIGHT,  
*Surveyor-General of Colorado.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

A.—Statement of account of surveys made under the regular appropriation for the year ending June 30, 1874.

Date.	Names of deputies.	Amounts.	Appropriation.	Amounts.		
1873.						
Sept. 19	Bright & Sopris .....	\$1,802 43	By appropriation .....	\$80,000 00		
Sept. 30	McMurray & Ashley .....	3,658 81				
Oct. 6	George H. Hill .....	2,635 62				
28	Jacob H. Martz .....	4,196 53				
Nov. 3	Oakes & Kellogg .....	2,283 95				
6	George H. Hill .....	3,666 81				
19	B. M. Whittemore.....	2,010 51				
19	Francis F. Bruné .....	1,710 00				
22	Oakes & Kellogg .....	2,481 04				
25	McMurray & Ashley .....	3,633 20				
28	A. M. Fahringer .....	7,191 34				
28	Jason S. Fahringer .....	4,829 21				
29	John B. Cromwell .....	6,125 85				
29	B. K. Kimberly .....	6,002 51				
Dec. 11	B. M. Whittemore.....	1,182 87				
22	W. H. Atkinson .....	7,358 58				
1874.						
Jan. 1	Lessig & Fowler .....	1,028 43				
3	John J. Lambert .....	1,801 02				
17	T. C. Wetmore .....	1,204 87				
22	Lessig & Fowler .....	3,583 10				
23	William A. Christian .....	1,370 13				
Feb. 10	.....do.....	3,600 46				
10	Jacob H. Martz .....	2,447 21				
Mar. 26	A. W. Archibald .....	1,552 94				
July 24	Lessig & Fowler .....	1,159 45				
27	Jason S. Fahringer .....	397 50				
Aug. 10	.....do.....	1,200 87				
		80,015 24	Balance.....	15 24		
				80,015 24		

B.—Statement of account of surveys made under the acts of Congress of May 20, 1862, and March 3, 1871.

Date of deposit.	Names of deputies.	Amounts.	Individual deposit.	Amounts.		
1873.						
July 28	Fred. C. Morse .....	\$324 35	By individual deposits .....	\$20,503 60		
30	Cecil A. Deane .....	200 85				
31	T. S. Brandegee .....	744 42				
Aug. 5	W. H. Bradt .....	744 58				
11	Cecil A. Deane .....	593 33				
15	.....do.....	599 77				
22	B. M. Whittemore.....	673 48				
Sept. 2	Cecil A. Deane .....	258 76				
19	Bright & Sopris .....	597 68				
Oct. 1	McMurray & Withers .....	606 95				
Sept. 27	Bright & Sopris .....	596 43				
30	E. H. Kellogg .....	1,799 32				
Nov. 14	W. R. McMurray .....	604 73				
Dec. 23	.....do.....	597 31				
30	.....do.....	744 25				
1874.						
Jan. 2	Bradt & Deane .....	789 37				
5	Fred. C. Morse .....	460 64				
9	Bradt & Deane .....	2,752 64				
12	D. C. Oakes .....	1,341 03				
15	Oakes & Kellogg .....	617 64				
28	.....do.....	600 60				
Feb. 2	.....do.....	425 82				
6	Bradt & Deane .....	744 16				
Mar. 28	George H. Hill .....	1,925 30				
May 4	Richard Blackstone .....	360 63				
18	Edwin H. Kellogg.....	894 26				
		20,503 60		20,503 60		

C.—Statement showing the number of townships surveyed during the past fiscal year and the area of public land contained in the same.

Township.	Range.	Area.	Township.	Range.	Area.
11 north	42 west	4,571.52	29 south	56 west	23,039.65
12 north	do	1,756.28	3 north	57 west	23,046.45
23 south	do	22,973.04	3 south	do	22,987.93
11 north	43 west	22,954.76	14 south	do	23,487.74
12 north	do	8,244.75	15 south	do	23,214.33
11 north	44 west	22,626.79	16 south	do	21,753.42
12 north	do	8,896.95	3 north	58 west	23,061.17
22 south	do	22,977.58	10 north	do	23,136.25
12 north	46 west	6,236.71	14 south	do	22,889.37
12 north	47 west	8,974.11	10 north	59 west	23,140.16
22 south	do	21,079.56	14 south	do	23,192.92
22 south	48 west	21,935.68	15 south	do	23,103.89
6 north	49 west	22,883.30	16 south	do	22,306.04
7 north	do	22,915.35	17 south	do	23,113.42
8 north	do	23,590.44	18 south	do	21,029.30
9 north	do	23,094.44	10 north	60 west	23,072.00
6 north	50 west	23,008.32	14 south	do	23,012.64
7 north	do	22,966.55	15 south	do	23,016.60
8 north	do	23,512.89	16 south	do	22,566.45
6 north	51 west	23,112.15	17 south	do	23,094.22
7 north	do	23,095.40	18 south	do	23,113.39
8 north	do	23,826.31	10 north	61 west	23,136.65
10 north	do	23,176.33	15 south	do	23,062.17
6 north	52 west	22,974.55	17 south	do	22,938.13
9 north	do	23,072.30	18 south	do	22,929.25
10 north	do	23,051.69	18 south	62 west	22,932.79
12 south	do	22,997.91	22 south	do	23,111.54
5 north	53 west	23,030.88	17 south	63 west	23,182.47
6 north	do	23,056.72	28 south	do	23,079.49
7 north	do	23,098.39	29 south	do	23,146.64
8 north	do	23,958.32	12 north	64 west	11,732.20
11 south	do	23,637.28	18 south	66 west	23,192.14
12 south	do	23,018.15	19 south	do	23,204.82
13 south	do	23,038.98	19 south	67 west	23,012.84
6 north	54 west	23,189.92	6 south	70 west	23,232.18
9 south	do	23,004.98	7 south	do	23,087.99
10 south	do	23,009.17	28 south	do	23,264.22
11 south	do	23,548.66	5 north	72 west	23,053.41
12 south	do	22,995.83	6 south	do	22,303.20
13 south	do	23,014.58	4 north	73 west	14,350.19
1 north	55 west	22,954.41	5 north	do	13,443.80
2 north	do	23,039.39	6 south	do	24,828.34
3 north	do	23,132.74	22 south	do	23,017.73
6 north	do	23,190.84	8 south	74 west	23,032.57
11 south	do	23,136.96	9 south	do	22,820.01
12 south	do	22,926.45	12 south	do	22,060.37
27 south	do	22,815.31	12 south	75 west	22,622.52
28 south	do	22,917.46	9 south	78 west	23,032.87
1 north	56 west	23,048.08	10 north	do	23,069.02
2 north	do	23,027.26	14 south	do	23,035.78
3 north	do	23,015.63	15 south	do	22,992.04
5 north	do	23,067.96	15 south	79 west	23,022.96
11 south	do	23,032.45			

Surveys north and east of New Mexican meridian.

Township.	Range.	Area.	Township.	Range.	Area.
45 north	5 east	22,941.92	50 north	8 east	23,072.24
42 north	6 east	23,026.61	43 north	9 east	24,351.85
45 north	do	12,547.20	49 north	do	23,004.18
41 north	7 east	23,023.24	43 north	11 east	6,243.32
42 north	do	23,053.66	44 north	do	16,211.36
49 north	8 east	23,011.12	43 north	12 east	3,355.47

D.—Statement showing the number, names, date of approval, and location of mining-claims surveyed during the past fiscal year under the acts of Congress of July 26, 1866, and May 10, 1872, together with the amount deposited for office-expenses for the same.

Number of survey.	Name of lode.	District.	Date of approval.	Location.	Amount.
196	Maurer	1	May 2, 1874	Gilpin County	\$16
217	Perigo	1	July 12, 1873	do	16
218	do	1	July 12, 1873	do	16
219	New York	1	July 2, 1873	do	16
240	Second discovery Virginia and mill-site	1	Nov. 12, 1873	do	16
251	Missouri	1	July 26, 1873	do	16
252	Hope No. 2	1	Sept. 19, 1873	do	16
254	Gregory	1	Nov. 3, 1873	do	16
255	do	1	Aug. 7, 1873	do	16
256	Bobtail	1	Aug. 7, 1873	do	16
257	Gregory Extension	1	Aug. 18, 1873	do	16
258	Foot and Simmons	1	Aug. 7, 1873	do	16
259	Mammoth	1	Aug. 8, 1873	do	16
262	Burroughs	1	July 24, 1873	do	16
263	Belcher	1	Aug. 9, 1873	do	16
264	Nevada Gulch	1	Aug. 19, 1873	do	16
265	Gregory	1	Sept. 19, 1873	do	16
266	Hunter	1	Aug. 8, 1873	do	16
267	Bates	1	Aug. 6, 1873	do	16
270	Bugher	1	Oct. 17, 1873	do	16
275	Lake Superior	1	Jan. 31, 1874	do	16
276	Gregory Gulch	1	Nov. 17, 1873	do	16
277	Bugher	1	Nov. 13, 1873	do	16
278	Pratt	1	Nov. 19, 1873	do	16
279	Pike's Peak	1	Dec. 8, 1873	do	16
280	Egyptian	1	Dec. 9, 1873	do	16
281	Gregory Extension	1	Nov. 19, 1873	do	16
282	Gunnell	1	Dec. 8, 1873	do	16
283	Homer	1	Jan. 13, 1874	do	16
286	Saratoga	1	Jan. 13, 1874	do	16
2-7	Mammoth	1	Mar. 30, 1874	do	16
288	Gregory	1	Feb. 9, 1874	do	16
289	Bobtail	1	Mar. 25, 1874	do	16
290	do	1	Mar. 26, 1874	do	16
291	Coaley	1	Mar. 28, 1874	do	16
292	Smith	1	May 2, 1874	do	16
293	Bucher	1	Jan. 26, 1874	do	16
295	Williams	1	Mar. 30, 1874	do	16
297	Gregory	1	May 8, 1874	do	16
299	Foot & Simmons	1	June 29, 1874	do	16
300	Montrose	1	June 16, 1874	do	16
173	Trenton	2	Sept. 25, 1873	Clear Creek County	16
175	Mariposa	2	Sept. 29, 1873	do	16
195 A and B	Fairmount and mill-site	2	June 20, 1874	do	16
234	John Hikes	2	June 2, 1874	do	16
239	Chickamauga	2	Aug. 11, 1873	do	16
240	Constitution	2	Aug. 13, 1873	do	16
241	Tooting	2	Aug. 21, 1873	do	16
258	Leavenworth Creek	2	Sept. 9, 1873	do	16
297	Silver Leaf	2	Nov. 14, 1873	do	16
305 A	Philadelphia	2	Aug. 13, 1873	do	16
329	Cavalier	2	July 26, 1873	do	16
330	Burleigh Mining Company mill-site	2	July 9, 1873	do	16
332	Idaho Springs town-site	2	July 21, 1873	do	16
333	Eugenie	2	Aug. 27, 1873	do	16
334	Morning Star	2	July 7, 1873	do	16
335	Edward Everett	2	July 7, 1873	do	16
336	Edenboro'	2	July 7, 1873	do	16
337	Wm. Gibson placer	2	July 29, 1873	do	16
338	Lincoln	2	Sept. 4, 1873	do	16
340	Hunt and mill-site	2	July 15, 1873	do	16
341	Oswego	2	July 1, 1873	do	16
342	Burleigh Mining Company mill-site	2	July 9, 1873	do	16
343	Greenbck	2	Aug. 16, 1873	do	16
344	Corry City	2	July 14, 1873	do	16
345	C. Bennett et al. placer	2	Aug. 2, 1873	do	16
346	Miller County	2	Aug. 6, 1873	do	16
347	Nancy Smith	2	Aug. 5, 1873	do	16
348	H. J. Baker mill-site	2	Aug. 12, 1873	do	16
349	H. Montague et al. placer	2	Aug. 14, 1873	do	16
350	South Clear Creek	2	Aug. 1, 1873	Clear Creek County	16
351	John Paul Jones	2	July 28, 1873	do	16
352	Fred. Rogers	2	Aug. 19, 1873	do	16
353	Caledonia	2	Aug. 16, 1873	do	16
354 A and B	R. O. Old and mill-site	2	Sept. 19, 1873	do	16
355 A and B	Sallie Ward and mill-site	2	Sept. 22, 1873	do	16
356 A and B	Champion and mill-site	2	Sept. 22, 1873	do	16

D.—Statement showing the number, names, date of approval, and location of mining-claims surveyed during the fiscal year, &c.—Continued.

Number of survey.	Name of lode.	District.	Date of approval.	Location.	Amount.
357	Register	2	Sept. 26, 1873	Summit County	\$16
358	Cortez	2	Dec. 16, 1873	Clear Creek County	16
359	Mouticello Mining Company mill-site	2	Aug. 28, 1873	do	16
360	Oshkosh	2	Aug. 29, 1873	do	16
363	William Spruance mill-site	2	Sept. 29, 1873	do	16
364	John W. Knox placer	2	Sept. 5, 1873	do	16
365	George Teal mill-site	2	Sept. 29, 1873	do	16
366	Shively	2	Sept. 23, 1873	do	16
367 A and B	Eclipse Tunnel, No. 1 and mill-site	2	Sept. 29, 1873	do	16
368	Coley Extension	2	Sept. 27, 1873	Summit County	16
369	Potosi	2	Sept. 25, 1873	do	16
370	Crown Point	2	Nov. 4, 1873	Clear Creek County	16
371 A and B	Stephens and mill-site	2	Dec. 11, 1873	do	16
377	Patten	2	Dec. 13, 1873	do	16
378	Virginia	2	Nov. 5, 1873	do	16
379	Loyal	2	Oct. 4, 1873	do	16
380	Coral	2	Oct. 30, 1873	do	16
381	Michael B. Gaefl placer	2	Oct. 20, 1873	do	16
382	Bunker Hill	2	Oct. 30, 1873	do	16
383	Williams	2	Oct. 20, 1873	do	16
385	Seaton	2	Dec. 16, 1873	do	16
386	Fourth of July	2	Jan. 8, 1874	do	16
387	Northern	2	Dec. 15, 1873	do	16
390	Sheldon Jackson	2	Feb. 9, 1874	do	16
391	French	2	Jan. 8, 1874	do	16
392	Golden Belt	2	Jan. 8, 1874	do	16
393	Junction	2	May 13, 1874	do	16
394	Griffith	2	Jan. 6, 1874	do	16
395	J. O. Stewart mill-site	2	Jan. 22, 1874	do	16
396 A and B	Mahany and mill-site	2	Jan. 22, 1874	do	16
397	Silver Point	2	Jan. 14, 1874	do	16
398	Pay Rock	2	Jan. 14, 1874	do	16
399	Gates	2	Feb. 7, 1874	do	16
400	Merrimack	2	May 13, 1874	do	16
401	Alliance	2	Jan. 17, 1874	do	16
402	Simpson	2	Jan. 19, 1874	do	16
403	Amazon	2	Jan. 17, 1874	do	16
404	Peterson	2	Jan. 23, 1874	do	16
435	Robinson	2	Jan. 13, 1874	do	16
408	George A. Mills placer	2	Feb. 14, 1874	do	16
409	Robert Ellis <i>et al</i> placer	2	May 25, 1874	do	16
410	Thomas Cooper placer	2	May 26, 1874	do	16
411	Livingston County	2	Apr. 1, 1874	do	16
414 A and B	Kunegunde and mill-site	2	June 16, 1874	do	16
415	Pittsburgh	2	Apr. 1, 1874	do	16
419	John Collom mill-site	2	May 26, 1874	do	16
430	William F. Doherty placer	2	May 13, 1874	do	16
421	Calvin Camp placer	2	May 8, 1874	do	16
422 A and B	Edward and mill-site	2	May 8, 1874	do	16
424	Collom Ore Dressing Company mill-site	2	May 29, 1874	do	16
425 A and B	Benjamin Franklin and mill-site	2	May 29, 1874	do	16
426	Fountain	2	May 28, 1874	do	16
427	Treasurer	2	May 18, 1874	do	16
428	Cecil	2	May 19, 1874	do	16
429	Rosenorans	2	June 1, 1874	do	16
430	Mila County	2	June 6, 1874	do	16
431	Lancaster	2	June 3, 1874	do	16
432	Waverly	2	June 30, 1874	do	16
437	Mahany	2	June 23, 1874	do	16
438	Cotant	2	June 10, 1874	do	16
439	Titusville	2	June 10, 1874	do	16
440	Griffith	2	June 30, 1874	do	16
442	Bald Eagle	2	June 25, 1874	do	16
65	W. C. Ripley placer	3	Oct. 31, 1873	Summit County	16
69	J. A. Connors placer	3	Oct. 23, 1873	do	16
83	Fuller & Greenleaf placer	3	Oct. 1, 1873	do	16
84	do	3	Oct. 1, 1873	do	16
85	do	3	Oct. 1, 1873	do	16
86	T. H. Fuller placer	3	Oct. 1, 1873	do	16
96	Alps	3	Sept. 4, 1873	Park County	16
96	Hoosier	3	Sept. 5, 1873	do	16
99 A	Silver Star	3	Aug. 26, 1873	do	16
99 B	Robert George	3	Sept. 19, 1873	Lake County	16
99	Granite Mining Company mill-site	3	Sept. 29, 1873	do	16
100	Magenta	3	Nov. 11, 1873	do	16
101	Cold Spring	3	Dec. 16, 1873	Park County	16
102	Adriatic	3	Dec. 23, 1873	do	16
103	Comet	3	Dec. 23, 1873	do	16

D.—Statement showing the number, names, date of approval, and location of mining-claims surveyed during the fiscal year, &c.—Continued.

Number of survey.	Name of lode.	District.	Date of approval.	Location.	Amount.
104.	Tecumseh.	3	Dec. 23, 1873	Park County	\$16
106.	Sweet Home	3	Sept. 10, 1873	do	16
107.	Flaski	3	Sept. 10, 1873	do	16
108.	Reuben Ely et al. placer	3	Nov. 18, 1873	Lake County	16
116.	Gaff Mining Company placer	3	Oct. 13, 1873	do	16
117.	W. H. Jones et al. placer	3	Oct. 13, 1873	do	16
118.	William Bell	3	Sept. 27, 1873	Summit County	16
119.	Madagascar	3	Nov. 5, 1873	Park County	16
121.	Pataloomer No. 2	3	Jan. 3, 1874	do	16
122.	Silver Exchange	3	Jan. 2, 1874	do	16
123.	Sunny Side	3	Oct. 13, 1873	do	16
140.	Blanche	3	Dec. 3, 1873	Summit County	16
131.	General Teller	3	Oct. 30, 1873	do	16
132.	Eclipse	3	Oct. 30, 1873	do	16
45.	Phenix	4	May 18, 1874	Boulder County	16
98.	Game Cock	4	July 8, 1873	do	16
99.	Racine	4	July 8, 1873	do	16
100.	Mack	4	July 8, 1873	do	16
101.	Eugene	4	July 9, 1873	do	16
102.	Maine	4	July 15, 1873	do	16
103.	Woodland	4	July 9, 1873	do	16
104.	Socorro	4	July 9, 1873	do	16
105.	Hidden Treasure	4	Sept. 29, 1873	do	16
106.	Golden Crown	4	July 22, 1873	do	16
107.	White Cloud	4	July 23, 1873	do	16
108.	Evans	4	July 25, 1873	do	16
109.	Broome County	4	Aug. 18, 1873	do	16
110.	Who Do	4	July 30, 1873	do	16
111.	Alamakee	4	Aug. 14, 1873	do	16
112.	Wynona	4	Aug. 14, 1873	do	16
113.	Northern Cross, (B)	4	Aug. 13, 1873	do	16
114.	C. P. Wood placer	4	Aug. 20, 1873	do	16
116.	Air-Shaft	4	Sept. 9, 1873	do	16
117.	L. S. Root mill-site	4	Aug. 29, 1873	do	16
118.	Great Western and mill-site	4	Sept. 23, 1873	do	16
119.	H. O. Wells placer	4	Sept. 10, 1873	do	16
120.	Savannah	4	Sept. 9, 1873	do	16
121.	Archimedes	4	Sept. 24, 1873	do	16
122.	Santa Fé	4	Sept. 24, 1873	do	16
124.	Staten Island	4	Oct. 17, 1873	do	16
125.	Cross	4	Sept. 24, 1873	do	16
126.	J. S. Hill placer	4	Oct. 10, 1873	do	16
127.	Sakhrat.	4	Mar. 26, 1874	do	16
128.	Antioch	4	Nov. 12, 1873	do	16
129.	Phillips and mill-site	4	Feb. 19, 1874	do	16
130.	George W. Horton mill-site	4	Nov. 13, 1873	do	16
131.	George W. Horton placer	4	Nov. 13, 1873	do	16
132.	Corning Tunnel Company mill-site	4	Dec. 12, 1873	do	16
133 A	Grange	4	Jan. 6, 1874	do	16
133 B	L. McIntosh Grange mill-site	4	Jan. 27, 1874	do	16
134.	J. B. Jackson placer	4	Dec. 31, 1873	do	16
135.	Nederland	4	Jan. 20, 1874	do	16
136.	Corning	4	Feb. 14, 1874	do	16
137.	Five-Thirty	4	Feb. 6, 1874	do	16
140.	G. W. Geggy	4	Apr. 30, 1874	do	16
141.	Flint-Stone	4	Feb. 4, 1874	do	16
142 A and B	Caribou Tunnel No. 1 and mill-site	4	Mar. 31, 1874	do	16
143.	Dana	4	May 7, 1874	do	16
144.	T. J. Graham placer	4	Mar. 31, 1874	do	16
145.	Gray Eagle	4	Apr. 28, 1874	do	16
146.	Gold Hill	4	Apr. 28, 1874	do	16
147.	Black Cloud	4	May 2, 1874	do	16
149.	Promise	4	May 20, 1874	do	16
150.	Belcher	4	May 21, 1874	do	16
151.	S. Doughty	4	May 28, 1874	do	16
152.	Repeater	4	June 29, 1874	do	16

E.—Statement showing amount of salaries paid surveyor-general and clerks in his office for the year ending June 30, 1874.

1873. Sept. 30 Dec. 31	To salaries for first quarter .. To salaries for second quarter	\$3, 629 34 3, 825 00	1873. June 30	By appropriation .....	\$9, 300 00
1874. Mar. 31 June 30	To salaries for third quarter.. To salaries for fourth quarter.. To H. G. Bond, deposit returned .....	3, 825 00 3, 825 00 16 00		By special deposits on account of mining-claims .....	7, 076 00
	To incidental expenses .....	240 40		By special deposits on account of townships surveyed .....	1, 500 00
	To balance .....	3, 874 59		By balance from past fiscal year on account of special deposits .....	1, 359 33
		19, 235 33			19, 235 33

F.—Statement showing the amount expended for rent of office and other incidental expenses.

1873. Sept. 30 Dec. 31	To expenses, first quarter... To expenses, second quarter.	\$795 06 655 35	1873. June 30	By appropriation .....	\$2, 000 00
1874. Mar. 31 June 30	To expenses, third quarter.. To expenses, fourth quarter.. Balance .....	479 70 526 92 17 23		By balance from last fiscal year.	233 86
		2, 474 26		By special deposits .....	240 40
					2, 474 26

G.—Statement showing the estimates for the surveying service for the year ending June 30, 1876; also salary and office expenses for the same year.

For surveys:			
400 miles of standard lines, at \$15 per mile .....		\$6, 000	
3, 500 miles of township lines, at \$12 per mile .....		42, 000	
9, 600 miles of section lines, at \$10 per mile .....		96, 000	
Total for surveys .....		144, 000	
For salary and incidental expenses:			
Salary of surveyor-general .....		3, 000	
Salary of chief clerk .....		1, 800	
Salary of two daughtsmen .....		3, 000	
Salary of computing clerk .....		1, 500	
Salary of three transcribing clerks .....		4, 500	
Incidental expenses .....		3, 000	
Total .....		16, 800	

T. B. SEARIGHT,  
Surveyor-General of Colorado.

I.—Report of the surveyor-general of Montana.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Helena, Montana, August 18, 1874.

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, 1874, to wit:

- A.—Showing condition of appropriation for surveys of public lands in Montana for the fiscal year ending June 30, 1874.
- B.—Showing amount of special deposits made for office-work on mining claims in Montana for the fiscal year ending June 30, 1874.
- C.—Showing list of lands surveyed in Montana since June 30, 1873.
- D.—Showing condition of surveys contracted for by the surveyor-general of Montana, under appropriation by Congress for the fiscal year ending June 30, 1874.
- E.—Showing condition of appointments for mineral surveys.
- F.—Showing the number of township plats and descriptive lists of land, soil, timber, and corners furnished the Helena land-office since June 30, 1873.
- G.—Showing condition of appropriation for clerks in surveyor-general's office of Montana for the fiscal year ending June 30, 1874.
- H.—Showing condition of salary of surveyor-general for Montana.
- I.—Showing condition of appropriation for the incidental expenses of surveyor-general's office for Montana for the fiscal year ending June 30, 1874.
- J.—Showing amount of special deposits made for the survey of public land other than mineral in Montana since June 30, 1873.

K.—Showing the number of plats made in the office of the United States surveyor-general for Montana during the fiscal year ending June 30, 1874.

L.—Showing the total amount of lands surveyed in Montana up to June 30, 1874.

M.—Showing the number of linear miles surveyed, the rates per mile, and the cost of the surveys during the fiscal year ending June 30, 1874.

N.—Giving names, nativity, &c., of surveyor-general and clerks in his office.

O.—Estimate for the surveying service and office expenses in the district of Montana for the fiscal year ending June 30, 1876.

#### SURVEYS.

The total appropriation for the survey of public land during the past fiscal year was all expended with an excess of \$332.65 rendered in a deficiency account.

Meridian and standard lines have been established as follows:

The second standard parallel north through ranges 7, 8, 9, 10, 11, 12, 13, 14, and 15 east, established by offset through ranges 7, 8, 9, 10 east.

The base line through ranges 6, 7, 8, 9, and 10 east, by offset through ranges 6, 7, and 8 east; the Yellowstone guide meridian through townships 1 and 2 south, between ranges 8 and 9 east; the Shields River guide meridian through townships 1, 2, 3, north, between ranges 8 and 9 east; the principal meridian through townships 23, 24, 25, and 26 north, and township 17 north; the sixth standard parallel north through ranges 1, 2, 3, and 4 east, and range 1 west, connecting with former surveys in that locality; the first standard parallel through ranges 11, 12, and 13 west; the Flint Creek guide meridian through townships 5, 6, 7, and 8 north, between ranges 13 and 14 west; the fourth standard parallel north, through ranges 1, 2, 3, and 4 east. The extensions of these meridian and standard lines were contracted for, with a view to opening for settlement and pre-emption the upper valley of the Musselshell River, profuse in agricultural and mineral resources; the valleys of the Upper Yellowstone and Shield's Rivers; the Teton and Missouri Rivers, and Flint Creek, which contain a large amount of the best arable land in the Territory, on a considerable amount of which settlement had been made.

Eighty-four townships have been subdivided in the different valleys above mentioned, and returns received and forwarded.

In addition to the above the survey of fractional township 11 north, range 16 west, was contracted for under the "special deposit" system, returns of which have not yet been received.

The total cost of surveys during the past fiscal year, including office, amounted to \$68,832.65, and the total number of acres surveyed, excluding mineral claims, was 1,754,103.45, being an increase of 280,746.40 acres over the surveys of last year, at a cost to the Government of 2½ cents per acre.

I would here suggest to the honorable Commissioner that some means be devised for the better perpetuation of the corners of the public surveys from the ravages of stock. In a stock-country like our own, where cattle are numerous in every valley, and ranging over all the table-lands and hills adjacent, posts in mounds of earth, as are set under present instructions, stand but a few hours, in some instances but a few moments, before cattle paw the mound away, filling the pits and rubbing down the post, and destroying all trace of the corner, except the post, which, in time, is either picked up and burned, used as a picket-pin, or removed far from its original position. In a region where cattle are wont to range, a stake two inches square, three feet long, marked as is customary, and driven eighteen or twenty-four inches in the ground, pits dug, and the earth thrown away, would better establish and perpetuate corners under such circumstances.

#### MINERAL SURVEYS.

There have been 101 surveys of mineral (lode and placer) claims made, special deposits for office-work on which amounted to \$3,330.

#### OFFICE-WORK.

During the past fiscal year 675 maps have been drawn in this office, as specified in statement K, in addition to which several maps of different localities of the Territory and of the surveyed lands have been drawn through courtesy.

The system of examination, filing, and preservation of the field-notes, plats, &c., of surveys is as complete as can possibly be made at present.

In my estimate for incidental expenses for the fiscal year ending June 30, 1876, a careful estimate was made for the proper binding of notes and plats, and the amount added to the actual amount required by this office. In former years the appropriation for incidental expenses for this office has been inadequate to the demand, and for two years past the demand of the agricultural and mineral departments for printing blanks, plats, &c., has been so great as to wholly eat up the appropriation, the balance over having been paid by the surveyor-general. I would here earnestly recommend that a larger appropriation for the incidental expenses of this district be asked for to secure proper office-work and preservation of the records, or some means devised by which a portion of the special deposits by individuals for survey of mineral claims can



be used to defray the expense of printing blanks, plats, &c., necessary for the mineral department, which has made such heavy inroads upon the regular appropriation for incidental expenses of this office heretofore.

GOLD.

Placer-claims have yielded largely during the past year, the supply of water having been greater than in former years, and the facilities better for working than formerly.

Lode-claims have been worked extensively and yielded larger than ever before, more especially those located at Keatingville, near Radersburgh and Helena. The stamp-mills of the Columbia Mining Company and the National Mining and Exploring Company, at Unionville, and that of Messrs. Keating & Blacker, near Radersburgh, have been steadily worked and large amounts realized.

SILVER.

The reduction of lower grade argentiferous ores, though attended with great difficulty in this distant country, is meeting with signal success in the reduction-works of Ten Mile, Silver Star, and those of Clancy, in connection with the Legal-Tender Lode. Free milling, low-grade ores, containing little sulphur, easily worked with little cost, are reduced here, while others containing base metals, difficult to reduce, attended by great expense and the want of proper machinery, are exported for their more perfect reduction.

The First National and other banks of this place have materially aided the development of our silver-mines by an advance on shipments of rich, high-grade ores.

Many new discoveries of leads of almost fabulous wealth have been discovered, establishing the fact that Montana is the peer of the Union in her vast mineral wealth, in gold as well as silver resources, only awaiting the advent of cheaper transit and capital to fully demonstrate the fact to the world.

Our agricultural interests are steadily advancing, and the stock-raising still increasing; on the whole, since my advent here, I have become satisfied that Montana, with the advantages of Eastern States, will rival the richest in her resources.

ANDREW J. SMITH,  
Surveyor-General for Montana.

A.—Statement of condition of appropriation for surveys of public lands in Montana for the fiscal year ending June 30, 1874.

Dr.						Cr.
No. of contract.	Date of account.	Names of contractors.	Amount.	Date.	Appropriations.	Amount.
	1873.			1873.		
51	July 30	To B. F. and J. M. Marsh.....	\$2,228 78	Apr. 21	By appropriation.....	\$60,000 00
57	Aug. 1	To W. H. Baker and J. H. Thomas.	2,063 23	June 30	By balance.....	332 65
57	Aug. 12	To W. H. Baker and J. H. Thomas.	2,205 03			
57	Aug. 26	To George W. Irvine II.....	1,729 12			
57	Aug. 26	To W. H. Baker and J. H. Thomas.	2,105 64			
58	Aug. 26	To W. T. and D. L. McFarland...	1,482 46			
58	Aug. 30	To H. C. Rohleder and J. C. Major.	3,600 32			
57	Sept. 6	To W. H. Baker and J. H. Thomas.	2,952 17			
56	Sept. 6	To George W. Irvine II.....	1,391 85			
55	Sept. 20	To Rohleder & Major.....	3,718 56			
55	Sept. 24	To Rohleder & Major.....	668 42			
58	Sept. 30	To W. T. and D. L. McFarland....	2,152 15			
51	Sept. 30	To B. F. and J. M. Marsh.....	2,224 80			
56	Oct. 9	To George W. Irvine II.....	1,875 77			
55	Oct. 9	To Rohleder & Major.....	2,538 18			
53	Oct. 15	To W. W. De Lacy and David E. Folsom.	3,972 36			
53	Oct. 27	To W. W. De Lacy and David E. Folsom.	5,081 95			
51	Nov. 1	To B. F. and J. M. Marsh.....	3,374 02			
55	Nov. 7	To Rohleder & Major.....	2,361 69			
58	Nov. 15	To W. T. and D. L. McFarland....	1,999 25			
58	Dec. 12	To W. T. and D. L. McFarland....	4,373 30			
59	Dec. 12	To Marshal Sappington.....	3,784 09			
51	Dec. 19	To B. F. and J. M. Marsh.....	2,086 80			
59	Dec. 12	To M. Sappington, (deficiency acc't)	332 65			
		Total.....	60,332 65		Total.....	60,332 65

ANDREW J. SMITH,  
Surveyor-General, Montana.

B.—Statement of special deposits by individuals for office-work on mining claims in Montana Territory, for the fiscal year ending June 30, 1864.

Name of deputy.	Date of appointment.	Names of depositors.	No. of deposit.	Amount of deposit.*	Date of certificate of deposit.	No. of certificate of deposit.	Location of work.
W. W. Johnson	Aug. 6, 1872	Rogers, Hogan & Timberlake	1	\$40	July 5, 1873	990	Lot No. 37, township 9 north, range 9 west.
George B. Foote	Dec. 19, 1872	No deposit	2	40	July 9, 1873	995	Lot No. 39, township 6 north, range 7 west.
Preston Scott	Dec. 19, 1872	N. H. Webster et al.	3	40	July 15, 1873	997	Lot No. 38, township 6 north, range 5 west.
Do	Dec. 19, 1872	A. B. Viall et al.	4	40	July 17, 1873	1000	Lot No. 38, township 6 north, range 5 west.
W. W. Johnson	Aug. 6, 1872	T. E. Pennads E. F. Green, et al.	5	40	July 31, 1873	1021	Lot No. 35, township 10 north, range 7 west.
Preston Scott	Dec. 19, 1872	J. Meeks and P. A. Patterson	6	40	Aug. 1, 1873	1022	Lot No. 35, townships 10 and 11 north, range 1 west.
Do	Dec. 19, 1872	A. M. Holter & Brother	7	40	Aug. 5, 1873	1014	Lot No. 35, townships 10 and 11 north, range 5 west.
Do	Dec. 19, 1872	Merritt H. Marshall	8	40	Aug. 5, 1873	1017	Lot No. 35, townships 10 and 11 north, range 1 west.
John L. Corbett	Dec. 19, 1872	George Plohl	9	40	Aug. 15, 1873	1030	Lot No. 37, township 4 south, range 4 west.
Preston Scott	Dec. 19, 1872	John Murphy	10	40	Aug. 15, 1873	1030	Lot No. 38, township 13 north, range 8 west.
W. W. Johnson	Aug. 6, 1872	Thomas Buggy	11	40	Aug. 4, 1873	1015	Lot No. 41, township 13 north, range 8 west.
W. W. Johnson	Aug. 6, 1872	Tutt, Baxter & Craig	12	40	Aug. 1, 1873	1022	Lot No. 37, township 1 north, range 6 west.
M. A. A. Meyendorff	Sept. 13, 1873	William Collins et al.	13	40	Sept. 2, 1873	1041	Lot No. 40, township 10 north, range 6 west.
Preston Scott	Dec. 19, 1872	Eraxton & Pemberton	14	40	Aug. 4, 1873	1016	Lot No. 37, township 11 north, range 8 west.
W. W. Johnson	Aug. 6, 1872	Bill & O'Rourke	15	40	Aug. 18, 1873	1026	Lot No. 43, township 10 north, range 8 west.
Preston Scott	Dec. 19, 1872	Henry Allen	16	40	Aug. 19, 1873	1032	Lot No. 44, township 11 north, range 7 west.
Do	Dec. 19, 1872	Robert S. Kelly et al.	17	40	Aug. 18, 1873	1027	Lot No. 38, township 9 north, range 1 west.
Do	Aug. 6, 1872	Bernard & McCausland	18	40	Aug. 18, 1873	1028	Lot No. 42, township 3 north, range 8 west.
Do	Aug. 6, 1872	Pemberton & Murphy	19	40	Aug. 18, 1873	1029	Lot No. 37, township 5 north, range 13 west.
Preston Scott	Dec. 19, 1872	George Reibig et al.	21	40	Sept. 3, 1873	1042	Lot No. 37, township 14 north, range 11 west.
Do	Dec. 19, 1872	Ten Mile Mining Company	21	40	Sept. 6, 1873	1045	Lot No. 41, township 8 north, range 5 west.
George B. Foote	Dec. 19, 1872	Nick Fretz	22	40	Sept. 6, 1873	1043	Lot No. 40, township 10 north, range 2 west.
Preston Scott	Dec. 19, 1872	William and Thomas Sanford	23	40	Sept. 8, 1873	1047	Lot No. 37, township 12 north, range 6 west.
Do	Dec. 19, 1872	A. G. Clarke et al.	24	40	Sept. 10, 1873	1049	Lot No. 37, township 10 north, range 5 west.
W. H. Baker	Sept. 13, 1873	J. Armitage et al.	25	40	Sept. 27, 1873	1072	Lot No. 46, township 8 north, range 5 west.
George B. Foote	Dec. 19, 1872	C. L. & J. Harrington	26	40	Sept. 16, 1873	1054	Lot No. 41, township 10 north, range 2 east.
Do	Dec. 19, 1872	John S. Bristol	27	40	Sept. 16, 1873	1055	Lot No. 42, township 10 north, range 2 east.
Do	Dec. 19, 1872	A. Williams et al.	27	40	Sept. 23, 1873	1061	Lot No. 43, township 10 north, range 2 east.
W. W. Johnson	Aug. 6, 1872	F. Mager and R. M. Roberts	29	40	Sept. 23, 1873	1064	Lot No. 40, township 9 north, range 11 west.
Preston Scott	Dec. 19, 1872	R. S. Hale and T. A. Ray	31	45	Oct. 27, 1873	1068	Lot No. 41, township 10 north, range 5 west.
D. E. Folsom	Oct. 13, 1873	G. G. Symes	31	45	Oct. 27, 1873	1068	Lot No. 53, township 10 north, range 2 east.
W. W. Johnson	Aug. 6, 1872	William A. Clark and J. Gilchrist	32	40	Sept. 25, 1873	1074	Lot No. 43, township 3 north, range 8 east.
Do	Aug. 6, 1872	A. W. Tibbets and W. T. Ballow	33	40	Sept. 25, 1873	1074	Lot No. 38, township 11 north, range 11 west.
Preston Scott	Dec. 19, 1872	A. A. Brown and J. M. Jordan	34	40	Sept. 25, 1873	1065	Lot No. 37, township 4 north, range 7 west.
W. W. Johnson	Aug. 6, 1872	J. Noyes and A. W. Barnard	35	40	Sept. 30, 1873	1076	Lot No. 37, township 4 north, range 7 west.
Do	Aug. 6, 1872	William A. Powers et al.	36	40	Oct. 1, 1873	1084	Lot No. 38, township 6 north, range 8 west.
Preston Scott	Dec. 19, 1872	R. S. Hale and T. A. Ray	37	40	Oct. 17, 1873	1089	Lot No. 42, township 10 north, range 9 west.
W. W. Johnson	Aug. 6, 1872	R. R. Harris et al.	38	40	Oct. 17, 1873	1090	Lot No. 37, township 3 north, range 9 west.
D. E. Folsom	Oct. 13, 1873	George and Warren Hedges	39	25	Nov. 1, 1873	1105	Lot No. 50, township 11 north, ranges 3 and 4 east.
M. A. A. Meyendorff	Sept. 13, 1873	Andrew J. Arnold et al.	40	25	Nov. 1, 1873	1106	Lot No. 47, township 8 north, range 5 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.	Names of depositors.	No. of deposits.	Amount of deposits.	Date of certificate of deposit.	No. of certificates of deposit.	Location of work.
J. L. Corbett	Dec. 4, 1872	A. Cislak and D. Zinn	41	\$40	Nov. 3, 1873	1108	Lot No. 36, township 4 north, ranges 4 west and 4 east.
B. F. Marsh	Aug. 6, 1872	J. S. Kelly <i>et al.</i>	42	40	Nov. 5, 1873	1110	Lot No. 37, township 10 north, ranges 3 and 4 east.
H. C. Rohleder	Apr. 16, 1873	No deposit	43	40	Nov. 5, 1873	1111	Lot No. 39, township 5 north, range 5 west.
W. W. Johnson	Aug. 6, 1872	F. B. Miller <i>et al.</i>	44	40	Nov. 14, 1873	1117	Lot No. 38, township 8 north, range 11 west.
M. A. A. Meyendorff	Sept. 13, 1873	Dominick Freiler (no deposit)	45	40	Nov. 14, 1873	1119	Lot No. 48, township 7 north, range 8 west.
W. W. Johnson	Aug. 16, 1872	J. H. Loeffler and W. A. Clark	46	40	Nov. 14, 1873	1119	Lot No. 44, township 3 north, range 5 west.
H. C. Rohleder	Apr. 25, 1873	Michael Nimsan <i>et al.</i> (no deposit)	47	40	Nov. 14, 1873	1123	Lot No. 41, township 6 north, range 5 west.
W. W. De Lacy	Apr. 25, 1873	Sarah A. Nowlan <i>et al.</i> (no deposit)	48	40	Nov. 26, 1873	1123	Lot No. 48, township 6 north, range 6 west.
H. C. Rohleder	Dec. 17, 1872	J. McDermott <i>et al.</i> (no deposit)	49	40	Dec. 8, 1873	1130	Lot No. 37, A. B. township 3 south, range 11 west.
Janus M. Page	Dec. 17, 1872	Noah Armstrong <i>et al.</i>	50	40	Dec. 8, 1873	1131	Lot No. 37, A. B. township 3 south, range 11 west.
Do	Dec. 17, 1872	do	51	40	Dec. 8, 1873	1131	Lot No. 38, township 3 north, range 11 west.
Do	Dec. 17, 1872	do	52	40	Dec. 8, 1873	1132	Lot No. 39, township 3 north, range 11 west.
Do	Dec. 17, 1872	do	53	40	Dec. 8, 1873	1132	Lot No. 40, township 3 south, range 11 west.
Do	Dec. 17, 1872	do	54	40	Dec. 8, 1873	1134	Lot No. 41, township 3 south, range 11 west.
J. M. Page	Dec. 17, 1872	Noah Armstrong <i>et al.</i>	55	40	Dec. 8, 1873	1135	Lot No. 40, township 6 south, range 11 west.
Do	Dec. 17, 1872	do	56	40	Dec. 8, 1873	1136	Lot No. 37, A. B. township 6 south, range 11 west.
Do	Dec. 17, 1872	do	57	40	Dec. 8, 1873	1137	Lot No. 39, township 6 south, range 11 west.
Do	Dec. 17, 1872	do	58	40	Dec. 18, 1873	1138	Lot No. 48, township 6 south, range 5 west.
Do	Dec. 17, 1872	do	59	40	Dec. 18, 1873	1145	Lot No. 40, township 6 north, range 7 west.
M. A. A. Meyendorff	Sept. 13, 1873	Arthur B. Agno (no deposit)	60	40	Dec. 18, 1873	1145	Lot No. 40, township 6 north, range 7 west.
B. F. Marsh	Apr. 16, 1873	Miller Mayre <i>et al.</i> (no deposit)	61	40	Dec. 12, 1874	1145	Lot No. 41, township 8 and 9 north, range 11 west.
B. F. Marsh	Aug. 6, 1872	Samuel T. Hauger <i>et al.</i>	62	40	Jan. 17, 1874	1162	Lot No. 42, township 3 south, range 11 west.
W. W. Johnson	Aug. 6, 1872	J. A. Rich and J. A. Rogers	63	40	Jan. 17, 1874	1173	Lot No. 38, township 8 south, range 11 west.
J. M. Page	Dec. 17, 1872	Owen Gaffney <i>et al.</i>	64	40	Jan. 17, 1874	1174	Lot No. 38, township 8 south, range 11 west.
Do	Dec. 17, 1872	Philip Shenon	65	40	Jan. 17, 1874	1175	Lot No. 40, township 3 south, range 11 west.
Do	Dec. 17, 1872	do	66	40	Jan. 17, 1874	1163	Lot No. 43, township 3 south, range 11 west.
Do	Dec. 17, 1872	Owen Gaffney <i>et al.</i>	67	40	Jan. 17, 1874	1209	Lot No. 37, township 11 north, range 1 east.
W. W. De Lacy	Dec. 17, 1872	J. J. King <i>et al.</i>	68	40	Mar. 27, 1874	1208	Lot No. 38, township 11 north, range 1 east.
Do	Apr. 25, 1873	D. W. Culberson <i>et al.</i>	69	40	Mar. 27, 1874	1208	Lot No. 41, township 8 south, range 11 west.
Do	Apr. 25, 1873	A. H. Odell	70	40	Mar. 10, 1874	1203	Lot No. 42, township 8 south, range 11 west.
Do	Dec. 17, 1872	Philip Shenon and J. C. Kesler	71	40	Apr. 6, 1874	1230	Lot No. 45, township 10 north, range 3 east.
B. F. Marsh	Aug. 6, 1872	Carmi B. Vaughn	72	25	Apr. 6, 1874	1221	Lot No. 46, township 10 north, range 3 east.
D. E. Folsom	Oct. 13, 1873	Benjamin F. Tift	73	25	Apr. 7, 1874	1221	Lot No. 46, township 10 north, range 3 east.
B. F. Marsh	Aug. 6, 1872	Carmi B. Vaughn	74	45	May 13, 1874	1267	Lots Nos. 50, 51, 52, 53, and 54, township 8 north, range 5 west.
Do	Aug. 6, 1872	J. E. Sites and Charles Dunges	75	25	Apr. 20, 1874	1230	Lot No. 47, township 7 north, range 4 west.
Do	Aug. 6, 1872	N. Merriman (no deposit)	76	25	Apr. 20, 1874	1230	Lot No. 50, township 7 north, range 4 west.
Do	Aug. 6, 1872	Dennis Dana	17	25	May 6, 1874	1253	Lot No. 39, township 10 north, ranges 7 and 8 west.
Do	Aug. 6, 1872	D. Leary <i>et al.</i>	78	25	Apr. 28, 1874	1242	Lot No. 45, A. B. C. township 3 north, range 8 west.
W. W. Johnson	Aug. 6, 1872	George J. Jackson <i>et al.</i>	79	95	Apr. 20, 1874	1931	Lot No. 37, township 12 north, range 0 east.
Do	Aug. 6, 1872	do	80	95	May 6, 1874	1931	Lot No. 41, township 10 north, ranges 7 and 8 west.
B. F. Marsh	Aug. 6, 1872	N. Grunmesch	81	25	May 6, 1874	1235	Lot No. 41, townships 10 and 11 north, range 7 west.
Do	Aug. 6, 1872	H. M. Hubbard <i>et al.</i>	81	25	May 6, 1874	1235	Lot No. 40, townships 10 and 11 north, range 7 west.

Do	Aug. 6, 1872	Allen Kimmerly <i>et al.</i>	82	25	May 6, 1874	1256	Lot No. 40, township 10 north, range 8 west.
Do	Aug. 6, 1872	Charles G. Birdseye	83	25	May 6, 1874	1257	Lot No. 45, township 10 north, range 8 west.
Do	Aug. 6, 1872	A. A. Whittier and T. E. Pounds	84	25	May 9, 1874	1265	Lot No. 39, township 11 north, range 7 west.
W. W. Johnson	Aug. 6, 1872	Charles S. Warren <i>et al.</i>	85	25	May 21, 1874	1272	Lot No. 38, township 3 north, range 9 west.
R. F. Marsh	Aug. 6, 1872	Ed. Mason and L. Davis, (no deposit)	86	25	June 5, 1874	1281	Lot No. 46, township 10 north, range 8 west.
W. W. De Lacy	Apr. 25, 1873	John M. Shoup	87	25	June 8, 1874	1284	Lot No. 38, township 14 north, range 9 west.
B. F. Marsh	Aug. 6, 1872	John McKay	88	25	June 8, 1874	1284	Lot No. 46, township 11 north, range 7 west.
Do	Aug. 6, 1872	R. K. Emerson <i>et al.</i> , (no deposit)	89	25	June 18, 1874	1290	Lot No. 37, township 7 north, range 2 west.
M. A. A. Meyendorff	Sept. 13, 1873	Charles Jeffries	90	25	June 18, 1874	1291	Lot No. 38, township 5 north, range 13 west.
Do	Sept. 13, 1873	John Lanney Company	91	25	June 18, 1874	1291	Lot No. 37 A B, township 11 north, range 14 west.
B. F. Marsh	Aug. 6, 1872	Hope Mining Company	92	125	June 18, 1874	1293	Lot No. 44 A B C, township 7 north, range 13 west.
Do	Aug. 6, 1872	do	93				Lot No. 43 A B, township 7 north, ranges 13 and 14 west.
Do	Aug. 6, 1872	do	94				Lot No. 45 A B, township 7 north, ranges 13 and 14 west.
Do	Aug. 6, 1872	do	95				Lot No. 46, township 7 north, range 14 west.
Do	Aug. 6, 1872	do	96				Lot No. 40 A B C D E F G, townships 8 and 9 north, range 5 west.
M. A. A. Meyendorff	Sept. 13, 1873	John Caplice	97	55	July 1, 1874	1306	lots Nos. 39 and 40, township 11 north, range 2 west.
R. F. Marsh	Aug. 6, 1872	S. T. Hauser <i>et al.</i>	98	40	July 15, 1873	998	Lot No. 39, township 1 south, range 8 west.
W. W. Johnson	Aug. 6, 1872	W. W. Morris and E. T. Yeager	99	25	Sept. 16, 1873	1053	Lot No. 38, township 10 north, range 2 west.
George B. Poote	Dec. 19, 1872	A. McGregor	100	25	Sept. 19, 1873	1056	Lot No. 38, township 11 north, ranges 2 and 3 east.
B. F. Marsh	Aug. 6, 1872	A. McGregor, Parbury, <i>et al.</i>	101	40	Dec. 17, 1873	1144	Lot No. 51, township 11 north, ranges 2 and 3 east.
		E. J. Robinson and L. Rohwitt	.....	140	Aug. 18, 1873	1031	
		Total amount deposited	.....	3,330			

\* Deposited in First National Bank, Helena, Mont.

† Refunded, no survey.

ANDREW J. SMITH,  
Surveyor-General, Montana.

C.—List of public lands surveyed in Montana Territory, during the fiscal year ending June 30, 1874.

No. of townships surveyed.	Township.	Range.	Public land surveyed, agricultural.	A.	B.	C.	D.	Total.
				Military reservation.	Unsurveyed mountain land.	Swamp, river, and lake.	Returned as mineral.	
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
1	1 south	9 east	22,894.43					22,894.43
2	1 south	10 east	18,817.27		4,176.74			22,994.01
3	2 south	9 east	20,798.27		1,693.09			22,491.36
4	1 north	9 east	23,016.97					23,016.97
5	2 north	9 east	22,982.87					22,982.87
6	1 north	10 east	23,015.80					23,015.80
7	5 north	13 west			20,481.74		2,558.26	23,040.00
8	5 north	14 west	11,284.42		11,750.58			23,035.00
9	5 north	15 west	4,537.52		7,924.86		10,577.62	23,040.00
10	22 north	5 west	22,982.48					22,982.48
11	22 north	6 west	22,899.77					22,899.77
12	22 north	7 west	23,113.48					23,113.48
13	23 north	1 west	22,871.55					22,871.55
14	23 north	2 west	22,924.83					22,924.83
15	2 north	8 east	22,999.43					22,999.43
16	1 north	8 east	14,032.29		8,983.71			23,016.00
17	25 north	1 west	22,004.30					22,004.30
18	25 north	1 east	23,033.54					23,033.54
19	26 north	1 east	22,987.31					22,987.31
20	26 north	1 west	21,813.75					21,813.75
21	3 north	7 east	19,803.60		3,165.36			22,968.96
22	3 north	9 east	22,971.71					22,971.71
23	2 north	10 east	21,601.35		1,402.65			23,004.00
24	3 north	8 east	22,965.53					22,965.53
25	6 north	14 west	17,440.08		5,605.68			23,045.76
26	7 north	14 west	22,976.24					22,976.24
27	24 north	2 east	22,764.93					22,764.93
28	26 north	3 east	23,008.16					23,008.16
29	25 north	4 east	23,021.96					23,021.96
30	25 north	3 east	23,042.98					23,042.98
31	25 north	2 east	23,035.84					23,035.84
32	26 north	2 east	22,996.46					22,996.46
33	23 north	6 west	22,708.97					22,708.97
34	23 north	7 west	22,962.44				160.00	23,122.44
35	23 north	3 east	22,719.83					22,719.83
36	23 north	5 west	22,837.12					22,837.12
37	23 north	1 east	22,909.75					22,909.75
38	23 north	2 east	22,930.90					22,930.90
39	15 north	12 west	12,231.11		10,681.32	14.77		22,927.20
40	9 north	7 east	14,057.09		8,964.54			23,021.28
41	9 north	14 east	23,052.98					23,052.98
42	9 north	15 east	22,037.39					23,037.39
43	10 north	15 east	23,006.66					23,006.66
44	10 north	6 east	10,657.62		12,300.78			22,958.40
45	22 north	6 east	13,445.79		9,673.17			23,118.96
46	21 north	6 east	23,056.98					23,056.98
47	21 north	7 east	23,042.98					23,042.98
48	15 north	13 west	19,490.37		3,440.19			22,930.56
49	14 north	12 west	14,496.48		8,393.17	50.63		22,940.28
50	15 north	11 west	7,708.92		15,239.54			22,948.46
51	22 north	7 east	23,030.08					23,030.08
52	8 north	14 east	23,035.25					23,035.25
53	8 north	13 east	23,011.98					23,011.98
54	9 north	13 east	23,028.38					23,028.38
55	9 north	12 east	23,037.59					23,037.59
56	9 north	11 east	23,065.71					23,065.71
57	10 north	9 east	3,515.92		5,411.53		14,057.11	22,984.56
58	10 north	14 east	22,961.67					22,961.67
59	24 north	4 west	22,420.07					22,420.07
60	24 north	5 west	22,509.93					22,509.93
61	24 north	6 west	22,617.05					22,617.05
62	24 north	7 west	23,228.53					23,228.53
63	25 north	5 west	23,051.28					23,051.28
64	21 north	8 east	16,945.76		6,080.00			23,025.76
65	22 north	8 east	23,033.03					23,033.03
66	23 north	7 east	11,951.02		11,009.78			22,960.80
67	23 north	8 east	20,129.89		2,836.83			22,966.72
68	24 north	1 west	22,303.56					22,303.56

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.
				Military reservation.	Unsurveyed mountain land.	Swamp, river, and lake.	Returned as mineral.	
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
69	24 north ..	2 west ...	21,851.16	.....	.....	.....	.....	21,851.16
70	24 north ..	1 east....	22,981.35	.....	.....	.....	.....	22,981.35
71	17 north ..	1 east....	23,006.74	.....	.....	.....	.....	23,006.74
72	17 north ..	4 east....	23,009.96	.....	.....	.....	.....	23,009.96
73	18 north ..	4 east....	22,999.22	.....	.....	.....	.....	22,999.22
74	19 north ..	4 west....	22,739.23	.....	.....	.....	.....	22,739.23
75	19 north ..	3 west....	22,200.82	.....	.....	.....	.....	22,200.82
76	19 north ..	2 west....	22,930.88	.....	6,362.06	.....	.....	22,930.88
77	18 north ..	2 west....	16,510.66	.....	.....	405.76	.....	22,872.72
78	18 north ..	1 west....	22,744.32	.....	1,717.32	687.77	.....	23,150.08
79	17 north ..	1 west....	20,602.27	.....	.....	.....	.....	23,007.36
80	18 north ..	3 east....	22,940.93	.....	.....	.....	.....	22,940.93
81	18 north ..	1 east....	21,489.08	.....	.....	846.63	.....	22,335.71
82	18 north ..	2 east....	22,814.38	.....	.....	.....	.....	22,814.38
83	17 north ..	2 east....	22,934.44	.....	.....	.....	.....	22,934.44
84	17 north ..	3 east....	23,125.82	.....	.....	.....	.....	23,125.82
Total .....			1,726,750.46	.....	167,294.29	2,005.56	27,352.99	1,923,403.30
Mineral land added..			27,352.99	.....	.....	.....	.....	.....
Total .....			1,754,103.45	.....	.....	.....	.....	.....

ANDREW J. SMITH,  
Surveyor-General, Montana.

*A.—Statement showing condition of the United States public surveys contracted for by the surveyor-general of Montana Territory, under appropriation by Congress, for the fiscal year ending June 30, 1874.*

Contract No.	Date.	Character and location of work.	Names of deputies.	Remarks.
51	1873. May 28..	Exterior and subdivision lines of townships 22, 23, and 24 north, ranges 5, 6, and 7 west, township 24 north, range 4 east, and fractional townships 24, 25, and 26 north, range 8 west; and the subdivision lines of townships 25 north, ranges 2 and 3 west, and township 26 north, range 7 west; and the sixth standard parallel north, partly through range 8 west of the principal meridian, the estimated amount of work being \$10,000.	Benjamin F. Marsh and John M. Marsh.	Townships 17 and 18 north, range 4 east; exterior and subdivision lines and subdivision lines of township 17 north, range 1 east, substituted in lieu of townships 25 north, range 2 west, and 26 north, range 7 west; and townships 24, 25, and 26 north, range 8 west, as per instructions dated and returned in letter from the Honorable Commissioner dated July 25, 1873. Completed and returned.
52	May 29..	Exterior lines of townships 23 and 24 north, range 1 west; the exterior and subdivision lines of townships 23 and 24 north, ranges 2 and 3 west, and township 23 north, range 4 west; township 22 north, ranges 3 and 4 west of the principal meridian, the estimated amount of work being \$8,000.	Demas L. McFarland..	Completed (see letter to Honorable Commissioner of June 22, 1873, contract No. 53 being substituted.
53	June 2..	Extension of the second standard parallel north, through ranges 7, 8, 9, 10, 11, 12, 13, and 14 east, townships 10 north, ranges 6, 7, 8, and 9 east, and townships 8 north, ranges 13 and 14 east; a guide meridian through townships 5 and 9 north, between ranges 13 and 14 east of the principal meridian, the estimated amount of contract being \$9,000.	Walter W. De Lacy and David E. Folsom.	The second standard was run by offset through ranges 7, 8, 9, and 10 east; townships 9 and 10 north, range 15 east; township 10 north, range 14 east. A guide meridian through township 10 north, between ranges 13 and 14 east; and the second standard parallel north, through range 15 east, were substituted in lieu of townships 9 north, ranges 9 and 10 east, and townships 10 north, ranges 7 and 10 east. All completed.
54	June 6..	The base line through ranges 6, 7, 8, and 9 east; the exterior and subdivision lines of townships 2 south, ranges 7 and 8 east; townships 1 south, ranges 7, 8, and 9 east; townships 1 and 2 north, ranges 8 and 9 east of the principal meridian, the estimated amount of work being \$5,000.	James H. Thomas.....	Canceled (see letter to Honorable Commissioner, June 22, 1873, contract No. 57 being substituted.
55	June 13..	The principal meridian through townships 23, 24, 25, and 26 north; the sixth standard parallel north, through ranges 1, 2, 3, and 4 east, and 1 west; exterior and subdivision lines of townships 24 north, ranges 2, 3, and 4 east; townships 25 and 26 north, ranges 1, 2, 3, 4, 5, and 6 east, and 1 west; and exterior lines of township 26 north, range 7 east of the principal meridian, the estimated amount of contract being \$13,000.	Henry C. Rohleder and John C. Major.	Townships 24 north, ranges 3 and 4 east; townships 25 north, ranges 5 and 6 east; townships 26 north, ranges 4, 5, and 6 east; and exterior lines of township 26 north, range 7 east, suspended, (see letter from Honorable Commissioner, June 22, 1873.) and townships 21 north, ranges 6 and 7 east; townships 22 north, ranges 6 and 7 east; townships 21 and 22 north, range 8 east; and townships 23 north, ranges 7 and 8 east, substituted in lieu thereof. Completed.
56	June 16..	First standard parallel north, through ranges 11, 12, and 13 west; a guide meridian through townships 5, 6, 7, and 8 north, between ranges 13 and 14 west; exterior and subdivision lines of townships 6, 7, and 8 north, range 13 west; townships 6 north, ranges 14 and 15 west; townships 14 north, ranges 12 and 13 west; township 15 north, ranges 13 and 14 west of the principal meridian, the estimated amount of contract being \$5,000.	George W. Irvine, 2d..	Townships 6, 7, and 8 north, range 13 west; township 6 north, range 15 west; township 14 north, range 13 west; and township 15 north, range 14 west were not run. Township 5 north, range 13 west; township 15 north, range 11 west; and township 15 north, range 12 west; township 7 north, range 4 west; and township 5 north, ranges 14 and 15 west were substituted by special instructions. Completed.

57	June 21..	<p>The base line through ranges 6, 7, 8, 9, and 10 east; a guide meridian through townships 1, 2, 3, 4, and 5 north, and 2 south, between ranges 8 and 9 east; the first standard parallel north, through ranges 8, 9, and 10 east; exterior and subdivision lines of townships 1 and 2 south, range 7 east; townships 1 and 2 south, and 1, 2, 3, 4, and 5 north, range 8 east; townships 1 south, and 1, 2, 3, 4, and 5 north, ranges 9 and 10 east, the estimated amount of contract being \$9,000.</p>	<p>William H. Baker and James H. Thomas.</p>	<p>The base line was established by offset through ranges 6, 7, and 8 east; township 2 south, range 9 east; and township 3 north, range 7 east substituted in lieu of township 1 south, range 8 east; and township 3 north, range 10 east. The first standard north, through ranges 8, 9, and 10 east; and guide meridian through townships 4 and 5 north, and townships 1 and 2 south, range 7 east, and 1 and 2 south, and 4 and 5 north, range 8 east; 4 and 5 north, range 9 east, and 3, 4, and 5 north, range 10 east, were not run. Contract completed.</p>
58	June 21..	<p>Exterior lines of townships 23 and 24 north, range 1 west; exterior and subdivision lines of townships 23 and 24 north, ranges 2 and 3 west; township 23 north, range 4 west; township 22 north, ranges 3 and 4 west; subdivision of townships 23 and 24 north, range 1 west; exterior and subdivision lines of township 23 north, ranges 2 and 3 east; townships 23 and 24 north, range 1 east; township 18 north, ranges 2 and 3 west; and township 19 north, range 2 west of the principal meridian, the estimate of contract being \$10,000.</p>	<p>William T. McFarland and Demas L. McFarland.</p>	<p>Townships 23 and 24 north, range 3 west; township 23 north, range 4 west; townships 23 and 24 north, range 1 west, substituted as Indian reservation, (see letter from Honorable Commissioner, June 22, 1873,) and township 19 north, ranges 3 and 4 west; and 17 and 18 north, range 1 west, substituted in lieu thereof. Township 18 north, range 3 west, not run. Completed.</p>
59	July 1..	<p>The principal meridian south, through township 17 north; the fourth standard parallel north, through ranges 1, 2, 3, and 4 east; the subdivision and meander lines of township 12 north, range 1 east; the exterior lines of township 17 north, range 1 east; the exterior and subdivision lines of townships 17 and 18 north, ranges 2 and 3 east of the principal meridian, the estimated amount of contract being \$4,000.</p>	<p>Marshal Sappington...</p>	<p>Completed.</p>
60	May 8.. 1874.	<p>The subdivision lines of fractional township 11 north, range 16 west of the principal meridian, the estimated amount of contract being \$130.</p>	<p>W. W. De Lacy.....</p>	<p>Not completed. (Special deposit.)</p>

ANDREW J. SMITH,  
Surveyor-General, Montana.



E.—Statement showing condition of appointments made for the survey of mineral-lands in Montana Territory, under acts of Congress, for the fiscal year ending June 30, 1874.

Appointment.		Name of deputy.	Extent of district.	Surveys made.	Remarks.
No.	Date.				
1	Aug. 6, 1872	Benjamin F. Marsh	Montana Territory	22	Appointment revoked April 13, 1874.
2	Aug. 6, 1872	Walter W. Johnson	do	20	
3	Dec. 4, 1872	John L. Corbett	do	2	Re-appointment revoked April 13, 1874.
4	Dec. 4, 1872	John M. Marsh	do		Resigned April 13, 1874.
5	Dec. 17, 1872	James M. Page	do	16	Appointment revoked April 13, 1874.
6	Dec. 19, 1872	George B. Foote	do	5	Re-appointment.
7	Dec. 19, 1872	Preston Scott	do	16	Appointment revoked April 13, 1874.
8	Apr. 16, 1873	H. C. Rohleder	do	4	Do.
9	Apr. 16, 1873	Orin F. Mason	do		
10	Apr. 25, 1873	Walter W. De Lacy	do	4	Do.
11	May 9, 1873	Peter Koch	do		
12	May 31, 1873	William Y. Smith	do		Do.
13	Sept. 13, 1873	M. A. A. Meyendorff	do	8	
14	Sept. 13, 1873	W. H. Baker	do	1	Do.
15	Aug. 12, 1873	George F. Marsh	do		
16	Oct. 13, 1873	David E. Folsom	do	3	Do.
17	Sept. 16, 1873	Washington Hall	do		
18	June 22, 1874	Demas L. McFarland	do		
		Total		101	

ANDREW J. SMITH,  
Surveyor-General, Montana.

F.—Statement showing the description of land for which township-plats and descriptive lists have been furnished the Helena land-office, at Helena, Mont., during the fiscal year ending June 30, 1874.

No.	Township.	Range.	Area.	Duplicate plats, when transmitted.	Descriptive lists, when transmitted.
			<i>Acres.</i>		
1	1 south	9 east	22,894.43	September 2, 1873	September 2, 1873.
2	1 south	10 east	22,994.01	September 2, 1873	September 2, 1873.
3	2 south	9 east	22,491.36	September 2, 1873	September 2, 1873.
4	1 north	9 east	23,016.97	September 2, 1873	September 2, 1873.
5	2 north	9 east	22,982.87	September 2, 1873	September 2, 1873.
6	1 north	10 east	23,115.80	September 2, 1873	September 2, 1873.
7	5 north	13 west	23,040.00	September 2, 1873	September 2, 1873.
8	5 north	14 west	23,035.00	September 2, 1873	September 2, 1873.
9	5 north	15 west	23,040.00	September 2, 1873	September 2, 1873.
10	22 north	5 west	22,982.48	September 2, 1873	September 2, 1873.
11	22 north	6 west	22,899.77	September 2, 1873	September 2, 1873.
12	22 north	7 west	23,113.48	September 2, 1873	September 2, 1873.
13	23 north	1 west	22,871.55	September 2, 1873	September 2, 1873.
14	23 north	2 west	22,924.83	September 2, 1873	September 2, 1873.
15	2 north	8 east	22,999.43	September 2, 1873	September 2, 1873.
16	1 north	8 east	23,016.00	September 2, 1873	September 2, 1873.
17	25 north	1 west	22,004.30	September 5, 1873	September 5, 1873.
18	25 north	1 east	23,033.54	September 5, 1873	September 5, 1873.
19	26 north	1 east	22,987.31	September 5, 1873	September 5, 1873.
20	26 north	1 west	21,813.75	September 5, 1873	September 5, 1873.
21	3 north	7 east	22,968.96	September 24, 1873	September 24, 1873.
22	3 north	9 east	22,971.71	September 24, 1873	September 24, 1873.
23	2 north	10 east	23,004.00	September 24, 1873	September 24, 1873.
24	3 north	8 east	22,985.53	September 24, 1873	September 24, 1873.
25	6 north	14 west	23,045.76	September 24, 1873	September 24, 1873.
26	7 north	14 west	22,976.24	September 24, 1873	September 24, 1873.
27	24 north	2 east	22,764.93	October 6, 1873	October 6, 1873.
28	26 north	3 east	23,008.18	October 6, 1873	October 6, 1873.
29	25 north	4 east	23,021.96	October 6, 1873	October 6, 1873.
30	25 north	3 east	23,042.98	October 6, 1873	October 6, 1873.
31	25 north	2 east	23,035.84	October 6, 1873	October 6, 1873.
32	26 north	2 east	22,996.46	October 6, 1873	October 6, 1873.
33	23 north	6 west	22,708.97	October 6, 1873	October 6, 1873.
34	23 north	7 west	23,122.44	October 6, 1873	October 6, 1873.
35	23 north	3 east	22,719.83	October 6, 1873	October 6, 1873.
36	23 north	5 west	22,837.12	October 6, 1873	October 6, 1873.
37	23 north	1 east	22,909.75	October 6, 1873	October 6, 1873.
38	23 north	2 east	22,930.90	October 6, 1873	October 6, 1873.
39	15 north	12 west	22,927.20	November 1, 1873	November 1, 1873.
40	9 north	7 east	23,021.28	November 1, 1873	November 1, 1873.

F.—Statement showing the description of land, &c.—Continued.

No.	Township.	Range.	Area.	Duplicate plats, when transmitted.	Descriptive lists, when transmitted.
			<i>Acres.</i>		
41	9 north	14 east	23, 052. 98	November 1, 1873	November 1, 1873.
42	9 north	15 east	23, 037. 39	November 1, 1873	November 1, 1873.
43	19 north	15 east	23, 006. 66	November 1, 1873	November 1, 1873.
44	10 north	6 east	22, 958. 40	November 1, 1873	November 1, 1873.
45	22 north	6 east	23, 118. 96	November 1, 1873	November 1, 1873.
46	21 north	6 east	23, 056. 98	November 1, 1873	November 1, 1873.
47	21 north	7 east	23, 042. 98	November 1, 1873	November 1, 1873.
48	15 north	13 west	22, 930. 56	November 1, 1873	November 1, 1873.
49	14 north	12 west	22, 949. 28	November 1, 1873	November 1, 1873.
50	15 north	11 west	22, 948. 56	November 1, 1873	November 1, 1873.
51	22 north	7 east	23, 030. 08	November 1, 1873	November 1, 1873.
52	8 north	14 east	23, 035. 25	November 7, 1873	November 7, 1873.
53	8 north	13 east	23, 011. 98	November 7, 1873	November 7, 1873.
54	9 north	13 east	23, 028. 38	November 7, 1873	November 7, 1873.
55	9 north	12 east	23, 037. 59	November 7, 1873	November 7, 1873.
56	9 north	11 east	23, 065. 71	November 7, 1873	November 7, 1873.
57	10 north	9 east	22, 984. 56	November 7, 1873	November 7, 1873.
58	10 north	14 east	22, 961. 67	November 7, 1873	November 7, 1873.
59	24 north	4 west	22, 420. 07	November 7, 1873	November 7, 1873.
60	24 north	5 west	22, 509. 93	November 7, 1873	November 7, 1873.
61	24 north	6 west	22, 617. 05	November 7, 1873	November 7, 1873.
62	24 north	7 west	23, 228. 53	November 7, 1873	November 7, 1873.
63	25 north	5 west	23, 051. 28	November 7, 1873	November 7, 1873.
64	21 north	8 east	23, 025. 76	November 7, 1873	November 7, 1873.
65	22 north	8 east	23, 033. 03	November 7, 1873	November 7, 1873.
66	23 north	7 east	22, 960. 80	November 7, 1873	November 7, 1873.
67	23 north	8 east	22, 966. 72	November 7, 1873	November 7, 1873.
68	24 north	1 west	22, 303. 56	November 7, 1873	November 7, 1873.
69	24 north	2 west	21, 851. 16	November 7, 1873	November 7, 1873.
70	24 north	1 east	22, 981. 35	November 7, 1873	November 7, 1873.
71	17 north	1 east	23, 006. 74	January 2, 1874	January 2, 1874.
72	17 north	4 east	23, 009. 96	January 2, 1874	January 2, 1874.
73	18 north	4 east	22, 999. 22	January 2, 1874	January 2, 1874.
74	19 north	4 west	22, 739. 23	January 2, 1874	January 2, 1874.
75	19 north	3 west	22, 200. 82	January 2, 1874	January 2, 1874.
76	19 north	2 west	22, 930. 88	January 2, 1874	January 2, 1874.
77	18 north	2 west	22, 872. 72	January 2, 1874	January 2, 1874.
78	18 north	1 west	23, 150. 08	January 2, 1874	January 2, 1874.
79	17 north	1 west	23, 007. 36	January 2, 1874	January 2, 1874.
80	18 north	3 east	22, 940. 93	January 2, 1874	January 2, 1874.
81	18 north	1 east	22, 335. 71	January 2, 1874	January 2, 1874.
82	18 north	2 east	22, 814. 38	January 2, 1874	January 2, 1874.
83	17 north	2 east	22, 934. 44	January 2, 1874	January 2, 1874.
84	17 north	3 east	23, 125. 82	January 2, 1874	January 2, 1874.

ANDREW J. SMITH,  
Surveyor-General, Montana.

G.—Statement showing the condition of the appropriation for the clerks in the office of the surveyor-general for Montana, for the fiscal year ending June 30, 1874.

DR.				CR.
1873.				
Sept. 30	To T. C. Bailey, chief clerk	\$450 00	1873.	
30	George F. Marsh, chief draughtsman	375 00	Apr. 21	By appropriation .... \$6, 000
30	John G. Hammer, assist't draughtsman	171 20		
30	Wm. H. Baker, assistant draughtsman	77 44		
30	George D. C. Hibbs, clerk	375 00		
30	Louis Hillebrecht, clerk	248 64		
30	Theo. Shed, clerk	248 64		
Dec. 31	T. C. Bailey, chief clerk	450 00		
31	George F. Marsh, chief draughtsman	375 00		
31	Wm. H. Baker, assistant draughtsman	375 00		
31	George D. C. Hibbs, clerk	375 00		
31	Theo. Shed, clerk	375 00		
31	Louis Hillebrecht, clrk	375 00		
1874.				
Mar. 31	To T. C. Bailey, chief clerk	450 00		
31	George F. Marsh, chief draughtsman	375 00		
May 30	T. C. Bailey, chief clerk	247 25		
June 30	George F. Marsh, chief clerk	202 75		
30	George F. Marsh, chief draughtsman	206 04		
30	P. D. Mickles, clerk	57 69		
30	George D. C. Hibbs, clerk	185 44		
30	balance	4 91		
		6,000 00		6, 000

ANDREW J. SMITH,  
Surveyor-General, Montana.

H.—Statement showing condition of appropriation for salary of surveyor-general of the Territory of Montana, for the fiscal year ending June 30, 1874.

Date.		Amount.	Date.		Amount.
1873.			1873.		
Sept. 30	To John E. Blaine .....	\$750 00	Apr. 21	By appropriation .....	\$3,000
Dec. 18	.....do .....	644 02			
1874.					
Mar. 31	To Andrew J. Smith .....	750 00			
June 30	.....do .....	750 00			
30	Balance .....	105 98			
		3,000 00			3,000

ANDREW J. SMITH,  
Surveyor-General for Montana.

I.—Statement showing condition of appropriation for incidental expenses for office of surveyor-general of Montana, for the fiscal year ending June 30, 1874.

Dr.

Cr.

Date.	Name.	On what account.	Amount.	Date.		Amt.
1873.				1873.		
July 1	To Fisk Bros .....	Printing .....	\$258 00	Apr. 21	By appropriation .....	\$2,500
1	A. L. Bancroft & Co. . . . .	Drawing-paper .....	32 00			
1	Warren Choate & Co. . . . .	Postal balance .....	2 70			
1	Robert Beall .....	Field-books .....	24 00			
1	Richard Lockey .....	Paper .....	20 00			
1	John T. Ward .....	Stationery .....	58 60			
1	T. C. Bailey .....	Incidentals .....	24 10			
19	David McClelland .....	Stationery .....	77 00			
19	George F. Marsh .....	Drawing-instruments .....	80 25			
Sept. 4	J. T. Ward .....	Stationery .....	42 25			
13	A. L. Bancroft & Co. . . . .	do .....	32 00			
22	Fisk Bros .....	Printing .....	100 00			
30	T. C. Bailey .....	Incidentals .....	175 75			
30	E. G. Walker .....	Rent .....	150 00			
30	Levi Likens .....	Messenger .....	150 00			
30	T. A. Ray .....	Water .....	8 00			
Oct. 28	A. L. Bancroft & Co. . . . .	Stationery .....	23 00			
29	John T. Ward .....	do .....	38 00			
29	John T. Ward .....	do .....	23 75			
Dec. 31	E. G. Walker .....	Rent .....	150 00			
31	Levi Likens .....	Messenger .....	150 00			
31	T. C. Bailey .....	Incidentals .....	110 75			
31	D. W. & A. J. Fisk .....	Printing .....	144 00			
31	T. A. Ray .....	Water .....	6 00			
1874.						
Mar. 31	E. G. Walker .....	Rent .....	150 00			
31	Benjamin D. Stone .....	Messenger .....	75 00			
31	T. C. Bailey .....	Incidentals .....	44 30			
31	J. T. Ward .....	Stationery .....	24 50			
31	A. L. Bancroft & Co. . . . .	do .....	7 50			
31	W. T. Cressap .....	Wood .....	9 00			
31	T. A. Ray .....	Water .....	6 00			
31	S. H. Crouse .....	Post-office box-rent .....	4 00			
May 20	T. C. Bailey .....	Incidentals .....	10 25			
30	Benjamin D. Stone .....	Messenger .....	32 97			
June 30	James T. Hunt .....	do .....	42 03			
30	E. G. Walker .....	Rent .....	150 00			
30	George F. Marsh .....	Incidentals .....	25 90			
30	S. H. Crouse .....	Post-office box-rent .....	3 00			
30	T. A. Ray .....	Water .....	6 00			
30	John T. Ward .....	Stationery .....	30 40			
			2,500 00			2,500

ANDREW J. SMITH,  
Surveyor-General, Montana.

J.—Statement showing the special deposits of individuals for the survey of public land, other than mineral, in Montana Territory, during the fiscal year ending June 30, 1874.

Name of deputy.	Date of deposit.	No. of C.D.	Name of depositor.	Field-work.	Office-work.	Location of work.
W. W. De Lacy ..	1874. May 8	1, 261	Thos. Newman	\$130 00	.....	Township 11 north, range 16 west.*
Do.....	May 8	1, 262	do .....	.....	\$50 00	Do.

\* Surveyed—not yet returned.

ANDREW J. SMITH,  
Surveyor-General, Montana.

K.—Statement showing the number of plats made in the United States surveyor-general's office for Montana, during the fiscal year ending June 30, 1874.

Description.	Original.	Department.	Local land-office.	Skeleton.	Total.
Plats of standard-lines.....	12	12	.....	.....	24
Plats of township-lines.....	2	2	.....	.....	4
Plats of subdivision-lines.....	84	84	84	.....	252
Plats of mineral-claims.....	101	101	101	.....	303
Plats for deputy surveyors.....	.....	.....	.....	17	17
Plats of the location of mineral-claims.....	24	24	24	.....	72
Plats of the Territory.....	2	.....	.....	.....	2
Plats showing location of contracts.....	.....	.....	.....	1	1
Total number of plats made.....	.....	.....	.....	.....	675

ANDREW J. SMITH,  
Surveyor-General, Montana.

L.—Statement showing the number of acres of public land surveyed in Montana Territory since the inception of the surveys up to June 30, 1874.

No of acres surveyed to June 30, 1873.....	4, 731, 685. 56
Number of acres surveyed during fiscal year ending June 30, 1874.....	1, 754, 103. 45
Number of acres of mineral-claims on unsurveyed lands for 1874.....	3, 168. 81
Total.....	6, 488, 957. 82

ANDREW J. SMITH,  
Surveyor-General for Montana.

M.—Statement showing the number of linear miles run, the rate per mile, and the total cost of surveys in the Territory of Montana, during the fiscal year ending June 30, 1874.

Description.	Distance.			Rate per mile.	Amount.
	Miles.	Chs.	Lks.		
Base-lines.....	15	00	00	\$15	\$225 00
Meridian-lines.....	96	48	04	15	1, 449 00
Standard-lines.....	115	20	26	15	1, 728 80
Township-lines.....	811	23	08	12	9, 735 46
Section-lines.....	4, 663	56	50	10	46, 637 06
Meander-lines.....	55	58	67	10	557 33
Total number of miles run.....	5, 756	46	55	.....	.....
Total cost.....	.....	.....	.....	.....	60, 332 65

ANDREW J. SMITH,  
Surveyor-General for Montana.

N.—Statement giving names, nativity, &c., of surveyor-general and clerks in his office, at Helena, Montana, for the fiscal year ending June 30, 1874, and to date.

Names.	Occupation.	Nativity.	Whence appointed.	Salaries.	When appointed.
a John E. Blaine	Surveyor-general	Pennsylvania	Wyoming	\$3,000	Feb. —, 1871
Andrew J. Smith	do	New York	New York	3,000	Dec. 18, 1873
b Thomas C. Bailey	Chief clerk	Indiana	Indiana	1,800	Sept. 15, 1869
George F. Marsh	do	Vermont	Montana	1,800	May 21, 1874
c Do	Chief draughtsman	do	do	1,500	Oct. 30, 1869
George D. C. Hibbs	Chief	District of Columbia	do	1,500	June 27, 1873
d M. A. A. Meyendorff	Mineral draughtsman	Poland	California	1,500	June 1, 1873
W. H. Baker	do	Massachusetts	Montana	1,500	June 8, 1874
e Do	Ass't draughtsman	do	do	1,500	Sept. 12, 1873
f John G. Hammer	do	Germany	do	1,500	Aug. 1, 1873
Philo D. Mickles	Clerk	New York	New York	1,500	June 17, 1874
g Levi Likens, (col'd)	Messenger	Virginia	Montana	630	Jan. 1, 1873
h Ben. D. Stone, (col'd)	do	New York	do	300	Jan. 1, 1874
James T. Hunt	do	Maine	do	300	May 21, 1874
Theodore Shed	Clerk	New York	do	1,500	Aug. 1, 1873
g Louis Hillebrecht	do	Germany	do	1,500	Aug. 1, 1873

a) Resigned December 18, 1873.

b) Resigned May 20, 1874.

c) Appointed chief clerk May 21, 1874.

d) Resigned June 8, 1874.

e) Appointed mineral draughtsman, June 8, 1874.

f) Resigned September 11, 1873.

g) Discharged December 31, 1873.

h) Discharged May 20, 1874.

ANDREW J. SMITH,  
Surveyor-General for Montana.

O.—Estimate for the surveying service in the district of Montana for the fiscal year ending June 30, 1874.

SURVEYING-SERVICE.

For surveying extensions of meridians, standard parallels, township exteriors, and subdivision lines ..... \$119,000

OFFICE EXPENSES.

For compensation of surveyor-general ..... 3,000  
 For compensation of chief clerk ..... 1,800  
 For compensation of chief draughtsman ..... 1,500  
 For compensation of assistant draughtsman ..... 1,500  
 For compensation of mineral clerk ..... 1,500  
 For compensation of three clerks, at \$1,500 ..... 4,500  
 For incidental expenses, messenger, rent, &c ..... 3,750  
 Total ..... 127,550

ANDREW SMITH,  
Surveyor General, Montana.

J.—Report of surveyor-general of Idaho Territory.

SURVEYOR-GENERAL'S OFFICE,  
Boise City, Idaho Territory, August 20, 1874.

SIR: In compliance with your instructions, 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, 1874, 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, 1876.

B.—Statement of expenditure of appropriation for compensation of surveyor-general and clerks in his office for the fiscal year ending June 30, 1874.

C.—Statement of incidental and office expenses for the fiscal year ending June 30, 1874.

D.—Statement of expenditure of the appropriation for surveys for the fiscal year ending June 30, 1874.

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, 1873.

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, 1874.

The surveys of public lands in this Territory for the last fiscal year were in the settled portion of Oneida County, the fractional townships on the boundary of Washington Territory, a guide meridian and township lines in Lemhi County, and the mineral and agricultural lands in Boise County. The subdivisions of the Nez Percé Indian reservation were finished, and those of the Cœur d'Alene reservation commenced.

It is to be regretted that the bill to allow settlers to locate timber-lands did not become a law last winter, as in a country where the plains are destitute of timber, as in Idaho, it is a hardship to farmers and miners without some law to secure them timber-rights.

It would be well if the same law could be applied to timber on mineral-lands, giving parties who are crushing ore by steam-power the right to the timber at the same price per acre, without deeding them the land. It would be equivalent to the stumpage now paid, and more satisfactory.

If a law could be passed selling the sage-brush lands at fifty cents per acre in large tracts, so as to warrant the purchasers to construct irrigating canals, it would benefit both the Government and the Territory, as the parties purchasing would resort to some means of irrigation, and millions of acres now lying waste would be brought to a high state of cultivation.

Heretofore settlements have been almost exclusively confined to the river-bottoms, but as canals and ditches are being made, claims have been taken up wherever the land could be irrigated.

The mineral prospects of the different mineral counties are about the same as given in my last report. Sales of one or more mines have been made in Alturas County, with further prospects of the sale of others, and capital is giving an impetus to prospecting, opening, and developing the gold and silver mines of this county.

Several applications have been made for surveying placer-mines in Lemhi County, and the prospect is that a large yield of placer gold will be taken from these mines at no distant date.

The people of Idaho are anxiously looking forward to some action by Congress, giving aid toward the construction of a railroad either from the Union Pacific to the Columbia River, or for a narrow-gauge road from Winnemucca, on the Central Pacific, to Boise City; and until we have one of these outlets, our mining interests will be kept in the background, and men of capital will invest their means in localities favored with railroad communication; and, in anticipation of advancing the growth and prospects of the Territory, Congress could well afford to give a large land-grant to either of the routes named.

The farmers in the Territory only aim to raise crops sufficient to meet the local demands, although few countries can excel the average yield per acre, including all crops, except perhaps corn. The present year has fully demonstrated that all fruits successfully raised in the Northern and Western States do equally well here.

Very respectfully, your obedient servant,

L. F. CARTEE,  
*Surveyor-General of Idaho.*

Hon. S. S. BURDETT,  
*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, 1876.*

OFFICE-EXPENSES.

For salary of surveyor-general.....	\$3,000
For salary of clerks.....	4,000
For rent of office, messenger, fuel, books, and other expenses.....	3,000
	10,000

## SURVEYING-SERVICE.

For surveying 200 miles standard lines, at \$18.....	\$3, 600
For surveying 360 miles exterior lines, at \$12.....	4, 320
For surveying 120 miles exterior lines, at \$15.....	1, 800
For surveying 2, 400 miles subdivision lines, at \$10.....	24, 000
For surveying 600 miles subdivision lines, at \$12.....	7, 200
	40, 920

B.—Statement of expenditure of appropriation of surveyor-general and clerks for his office for the fiscal year ending June 30, 1874.

1873.		1873.	
To amount paid surveyor-general and clerks, third quarter 1873.....	\$1, 848 08	By appropriation of March 3, 1873, as advised by your letter of April 21, 1873.....	\$7, 000 00
To amount paid surveyor-general and clerks, fourth quarter 1873.....	1, 954 11		
To amount paid surveyor-general and clerks, first quarter 1874.....	1, 575 00		
To amount paid surveyor-general and clerks, second quarter 1874.....	1, 575 00		
Balance.....	47 81		
	7, 000 00		7, 000 00

C.—Statement of incidental and office expenses for the fiscal year ending June 30, 1874.

1873.		1873.	
To amount expended third quarter 1873.....	\$414 50	By appropriation of March 3, 1873, as advised by letter from the Department of April 21, 1873.....	\$3, 000 00
To amount expended fourth quarter 1873.....	730 27		
To amount expended first quarter 1874.....	513 75		
To amount expended second quarter 1874.....	696 84		
Balance.....	644 64		
	3, 000 00		3, 000 00

D.—Statement of the expenditure of the appropriation for the fiscal year ending June 30, 1874.

1873.		1873.	
To amount reported for payment on contract No. 43, to T. W. Randall.....	\$3, 504 93	By appropriation approved March 3, 1873, as advised by letter from the Department of April 21, 1873.....	\$30, 000 00
To amount reported for payment on contract No. 46, to Allen N. Thompson.....	4, 538 78		
To amount reported for payment on contract No. 44, to John B. David.....	4, 949 13		
To amount reported for payment on contract No. 45, to George W. Newman.....	4, 487 35		
To amount reported for payment on contract No. 48, to Thompson & Meldrum.....	736 04		
To amount reported for payment on contract No. 49, to George W. Newman.....	4, 836 77		
To amount reported for payment on contract No. 51, to Allen N. Thompson.....	1, 749 93		
Balance.....	5, 197 07		
Total.....	30, 000 00	Total.....	30, 000 00
		Balance.....	5, 197 07

*Statement of the expenditure of the appropriation for surveying the Nez Percé Indian reservation.*

1873.		1873.	
To amount reported for payment on contract No. 36, to David P. Thompson:		By balance of appropriation of May 29, 1872.....	\$7,438 71
Voucher dated August 4, 1873.....	\$2,161 84		
Voucher dated October 22, 1873.....	2,213 41		
Voucher dated December 26, 1873..	2,928 58		
Balance.....	134 88		
<b>Total.....</b>	<b>7,438 71</b>	<b>Total.....</b>	<b>7,438 71</b>

*Statement of the expenditure of the appropriation for surveying the exterior lines of the Fort Hall Indian reservation.*

1873	To amount reported for payment on contract No. 41, to John B. David.....	\$2,725 07	1873	Out of appropriation of act of May 29, 1872, as advised by letter from the Department of February 10, 1873, \$150,000.....	\$2,725 07
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*Statement of the expenditure of the appropriation for surveying the Cœur d'Alène Indian reservation.*

1873	To amount reported for payment on contract No. 47, to Thompson & Meldrum.....	\$1,604 86	1873	Out of appropriation of act of May 29, 1872, as advised by letter from the Department of February 10, 1873.....	\$1,604 86
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*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.		District office.	Total.	When transmitted to the General Land-Office.	When transmitted to the district office.
	General Land-Office.	District office.				
Exterior lines of townships 32 and 33 north, range 3 west.	1	1	2	2	Aug. 4, 1873	
Township 33 north, range 3 west.	1	1	1	3	do.	Aug. 4, 1873
Exterior lines of township 13 south, range 37 east, and of townships 13, 14, 15, and 16 south, ranges 38 and 39 east.	1	1	2	2	Sept. 25, 1873	
Township 13 south, range 38 east.	1	1	1	3	do.	Sept. 25, 1873
Township 13 south, range 39 east.	1	1	1	3	do.	Do.
Township 14 south, range 39 east.	1	1	1	3	do.	Do.
Township 15 south, range 39 east.	1	1	1	3	do.	Do.
Township 16 south, range 39 east.	1	1	1	3	do.	Do.
Exterior lines of townships 13, 14, 15, and 16 south, ranges 34, 35, and 36 east.	1	1	2	2	Sept. 26, 1873	
Township 13 south, range 35 east.	1	1	1	3	do.	Sept. 26, 1873
Township 14 south, range 35 east.	1	1	1	3	do.	Do.
Township 15 south, range 35 east.	1	1	1	3	do.	Do.
Township 13 south, range 36 east.	1	1	1	3	do.	Do.
Township 14 south, range 36 east.	1	1	1	3	do.	Do.
Township 15 south, range 36 east.	1	1	1	3	do.	Do.
Township 16 south, range 36 east.	1	1	1	3	do.	Do.
Exterior lines of townships 13, 14, 15, and 16 south, ranges 42, 43, and 44 east.	1	1	2	2	Sept. 30, 1873	
Township 13 south, range 43 east.	1	1	1	3	do.	Sept. 30, 1873
Township 14 south, range 43 east.	1	1	1	3	do.	Do.
Township 15 south, range 43 east.	1	1	1	3	do.	Do.
Township 16 south, range 43 east.	1	1	1	3	do.	Do.
Township 13 south, range 44 east.	1	1	1	3	do.	Do.
Township 14 south, range 44 east.	1	1	1	3	do.	Do.
Base-line and offsets through ranges 18 to 30 east, guide-meridian north, through ranges 22 and 23, 23 and 24, and 30 and 31 east; fourth standard parallel north, through ranges 23 to 30 east; fifth standard parallel north, through ranges 22 and 23 east; and exterior lines of townships 18, 19, 20, and 21 north, range 23 east.	1	1	2	2	Nov. 12, 1873	



E.—Statement of original maps and copies transmitted, &c.—Continued.

Descriptive plats.	Original.	General Land-Office.	District office.	Total.	When transmitted to the General Land-Office.	When transmitted to the district office.
Exterior lines of townships 14, 15, and 16 south, ranges 37 and 38 east, and townships 13, 14, 15, and 16 south, range 40 east.	1	1		2	Jan. 1, 1874	
Township 14 south, range 38 east.	1	1	1	3	do	Jan. 1, 1874
Township 15 south, range 38 east.	1	1	1	3	do	Do.
Township 16 south, range 38 east.	1	1	1	3	do	Do.
Township 13 south, range 40 east.	1	1	1	3	do	Do.
Township 14 south, range 40 east.	1	1	1	3	do	Do.
Township 15 south, range 40 east.	1	1	1	3	do	Do.
Township 16 south, range 40 east.	1	1	1	3	do	Do.
Exterior lines of townships 9, 10, and 11 south, ranges 40 and 41 east; townships 9 and 10 south, ranges 42 and 43 east; township 12 south, range 40 east; townships 8 and 13 south, range 41 east; and township 8 south, range 42 east.	1	1		2	do	
Township 9 south, range 41 east.	1	1	1	3	do	Jan. 1, 1874
Township 10 south, range 41 east.	1	1	1	3	do	Do.
Township 11 south, range 41 east.	1	1	1	3	do	Do.
Township 12 south, range 41 east.	1	1	1	3	do	Do.
Township 13 south, range 41 east.	1	1	1	3	do	Do.
Township 8 south, range 42 east.	1	1	1	3	do	Do.
Township 9 south, range 42 east.	1	1	1	3	do	Do.
Township 10 south, range 42 east.	1	1	1	3	do	Do.
Township 10 south, range 43 east.	1	1	1	3	do	Do.
Exterior lines of townships 36, 37, 38, 39, 40, 41, 42, and 43 north, range 6 west.	1	1		2	do	
Township 31 north, range 2 east.	1	1	1	3	do	Jan. 1, 1874
Township 30 north, range 3 east.	1	1	1	3	do	Do.
Township 36 north, range 6 west.	1	1	1	3	do	Do.
Township 37 north, range 6 west.	1	1	1	3	do	Do.
Township 38 north, range 6 west.	1	1	1	3	do	Do.
Township 39 north, range 6 west.	1	1	1	3	do	Do.
Township 40 north, range 6 west.	1	1	1	3	do	Do.
Township 41 north, range 6 west.	1	1	1	3	do	Do.
Township 42 north, range 6 west.	1	1	1	3	do	Do.
Township 43 north, range 6 west.	1	1	1	3	do	Do.
Exterior lines of townships 7, 8, 9, 10, and 11 south, ranges 39 and 40 east, and township 7 south, range 41 east.	1	1		2	Feb. 1, 1874	
Township 8 south, range 39 east.	1	1	1	3	do	Feb. 1, 1874
Township 8 south, range 40 east.	1	1	1	3	do	Do.
Township 8 south, range 41 east.	1	1	1	3	do	Do.
Township 9 south, range 40 east.	1	1	1	3	do	Do.
Township 10 south, range 40 east.	1	1	1	3	do	Do.
Township 11 south, range 40 east.	1	1	1	3	do	Do.
Township 12 south, range 40 east.	1	1	1	3	do	Do.
Township 1 north, range 3 west.	1	1	1	3	May 1, 1874	May 1, 1874
Township 1 north, range 4 west.	1	1	1	3	do	Do.
Township 2 north, range 4 west.	1	1	1	3	do	Do.
Township 1 south, range 3 west.	1	1	1	3	do	Do.
Township 2 south, range 3 west.	1	1	1	3	do	Do.
Township 3 south, range 3 west.	1	1	1	3	do	Do.
Township 2 south, range 4 west.	1	1	1	3	do	Do.
Township 3 south, range 4 west.	1	1	1	3	do	Do.

NEZ PERCÉ INDIAN RESERVATION.

Descriptive plats.	Original.	General Land-Office.	Commissioner of Indian Affairs.	District office.	Total.	When transmitted to the General Land-Office.	When transmitted to the district office.
Exterior lines of townships 32 north, range 1 east, and township 33 north, range 3 west.....	1	1	1	1	4	Aug. 4, 1873.	Aug. 4, 1873
Township 32 north, range 1 east.....	1	1	1	1	4	do.....	Do.
Township 33 north, range 3 west.....	1	1	1	1	4	do.....	Do.
Exterior lines of townships 31, 32, 33, and 34 north, range 2 east, and township 33 north, range 3 east.	1	1	1	1	4	Oct. 22, 1873.	Oct. 22, 1873
Township 31 north, range 2 east.....	1	1	1	1	4	do.....	Do.
Township 32 north, range 2 east.....	1	1	1	1	4	do.....	Do.
Exterior lines of township 33 north, range 1 east.....	1	1	1	1	4	Dec. 26, 1873.	Dec. 26, 1873
Township 33 north, range 1 east.....	1	1	1	1	4	do.....	Do.
Township 33 north, range 2 east.....	1	1	1	1	4	do.....	Do.
Township 33 north, range 3 east.....	1	1	1	1	4	do.....	Do.
Township 33 north, range 4 east.....	1	1	1	1	4	do.....	Do.
Township 34 north, range 2 east.....	1	1	1	1	4	do.....	Do.
Township 34 north, range 3 east.....	1	1	1	1	4	do.....	Do.

FORT HALL INDIAN RESERVATION.

Exterior boundaries .....	1	1	1	1	4	Aug. 26, 1873.	Aug. 26, 1873
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CŒUR D'ALÈNE INDIAN RESERVATION.

Exterior lines of township 44 north, ranges 4 and 5 west.....	1	1	1	1	4	Mar. 7, 1874.	Mar. 7, 1874
Township 44 north, range 4 west.....	1	1	1	1	4	do.....	Do.
Township 44 north, range 5 west.....	1	1	1	1	4	do.....	Do.

F.—Statement showing the condition of contracts entered into since June 30, 1873.

No. of con- tract.	Name of deputy.	Date of con- tract.	Character, amount, and locality of work.	Remarks.
41	John B. David.....	Apr. 5, 1873	Exterior lines of Fort Hall Indian reservation.....	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
42	David P. Thompson.....	Apr. 5, 1873	Exterior lines of Cœur d'Aléne Indian reservation.....	Contract suspended.
43	Theophilus W. Randall.....	May 8, 1873	Exterior and subdivision lines of townships 13, 14, 15, and 16 south, ranges 42 and 43 east.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
44	John B. David.....	June 10, 1873	Exterior and subdivision lines of townships 14, 15, and 16 south, range 38 east, and townships 13, 14, 15, and 16 south, range 40 east.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
45	George W. Newman.....	July 1, 1874	Exterior and subdivision lines of township 9 south, range 43 east; town- ships 10 and 11 south, ranges 42 and 43 east; and township 12 south, range 41 east.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
46	Allen M. Thompson.....	July 1, 1874	Base-line east 96 miles, guide-meridian north 96 miles, and exterior lines and subdivisions in Lemhi Valley.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
47	Thompson & Meldrum.....	Aug. 9, 1873	Subdivision lines of Cœur d'Aléne Indian reservation.....	NOTE.—No subdivision lines run.
48	.....do.....	Aug. 9, 1874	Fractional townships 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, and 45 north, range 6 west; township 36 north, range 4 west; townships 30 and 31 north, ranges 2 and 3 east; and an island in township 36 north, range 5 west.	Surveys completed in part and contract sus- pended; and notes returned and approved, and plats and transcripts transmitted.
49	George W. Newman.....	Sept. 23, 1873	Exterior and subdivision lines of townships 8, 9, 10, 11, and 12 south, range 40 east, and township 8 south, ranges 39 and 41 east.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
50	Allen M. Thompson.....	Sept. 30, 1873	Extend the second standard parallel north and east through ranges 3, 4, 5, and 6 east; and exterior lines of townships 6, 7, 8, and 9 north, ranges 3, 4, 5, and 6 east; and townships 10 and 11 north, ranges 4 and 5 east; and 150 miles of subdivisions.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.
51	.....do.....	Feb. 26, 1874	Subdivision lines of townships 2 and 3 south, ranges 3 and 4 west; town- ship 1 north, range 3 west, and township 2 north, range 4 west.	Surveys completed and notes returned and ap- proved, and plats and transcripts transmitted.

G.—Statement of descriptive list sent to local offices since the date of my last report.

Township.	Range.	Date when transmitted.	Township.	Range.	Date when transmitted.
33 north	3 west	June 26, 1874	13 south	41 east	June 26, 1874
13 south	3 <sup>d</sup> east	June 26, 1874	8 south	42 east	June 26, 1874
13 south	3 <sup>d</sup> east	June 26, 1874	9 south	42 east	June 26, 1874
14 south	39 east	June 26, 1874	10 south	42 east	June 26, 1874
15 south	39 east	June 26, 1874	10 south	43 east	June 26, 1874
16 south	39 east	June 26, 1874	31 north	2 east	June 26, 1874
13 south	35 east	June 26, 1874	30 north	3 east	June 26, 1877
14 south	35 east	June 26, 1874	36 north	6 west	June 26, 1874
15 south	35 east	June 26, 1874	37 north	6 west	June 26, 1874
13 south	36 east	June 26, 1874	38 north	6 west	June 26, 1874
14 south	36 east	June 26, 1874	39 north	6 west	June 26, 1874
15 south	36 east	June 26, 1874	40 north	6 west	June 26, 1874
16 south	36 east	June 26, 1874	41 north	6 west	June 26, 1874
13 south	43 east	June 26, 1874	42 north	6 west	June 26, 1874
14 south	43 east	June 26, 1874	43 north	6 west	June 26, 1874
15 south	43 east	June 26, 1874	8 south	39 east	June 26, 1874
16 south	43 east	June 26, 1874	8 south	40 east	June 26, 1874
13 south	44 east	June 26, 1874	8 south	41 east	June 26, 1874
14 south	44 east	June 26, 1874	9 south	40 east	June 26, 1874
14 south	3 <sup>d</sup> east	June 26, 1874	10 south	40 east	June 26, 1874
15 south	3 <sup>d</sup> east	June 26, 1874	11 south	40 east	June 26, 1874
16 south	3 <sup>d</sup> east	June 26, 1874	12 south	40 east	June 26, 1874
13 south	40 east	June 26, 1874	1 north	3 west	June 26, 1874
14 south	40 east	June 26, 1874	1 north	4 west	June 26, 1874
15 south	40 east	June 26, 1874	2 north	4 west	June 26, 1874
16 south	40 east	June 26, 1874	1 south	3 west	June 26, 1874
9 south	41 east	June 26, 1874	2 south	3 west	June 26, 1874
10 south	41 east	June 26, 1874	3 south	3 west	June 26, 1874
11 south	41 east	June 26, 1874	2 south	4 west	June 26, 1874
12 south	41 east	June 26, 1874	3 south	4 west	June 26, 1874

H.—Tabular list of townships surveyed since the date of my last report, showing the areas of the public lands and Indian reservations.

Number of townships surveyed.	Description of townships.	Area of public lands.	Area of Indian reservation.
1	Township 33 north, range 3 west	4,481.75	
2	Township 13 south, range 38 east	21,532.15	
3	Township 13 south, range 39 east	22,967.70	
4	Township 14 south, range 39 east	22,925.14	
5	Township 15 south, range 39 east	22,953.13	
6	Township 16 south, range 39 east	18,032.39	
7	Township 13 south, range 35 east	12,159.77	
8	Township 14 south, range 35 east	11,515.86	
9	Township 15 south, range 35 east	8,317.38	
10	Township 13 south, range 36 east	10,227.04	
11	Township 14 south, range 36 east	23,019.65	
12	Township 15 south, range 36 east	19,178.85	
13	Township 16 south, range 36 east	13,293.60	
14	Township 13 south, range 43 east	21,320.25	
15	Township 14 south, range 43 east	23,229.21	
16	Township 15 south, range 43 east	13,959.38	
17	Township 16 south, range 43 east	3,972.90	
18	Township 13 south, range 44 east	10,988.97	
19	Township 14 south, range 44 east	6,841.03	
20	Township 14 south, range 38 east	21,779.54	
21	Township 15 south, range 38 east	22,981.33	
22	Township 16 south, range 38 east	18,188.02	
23	Township 13 south, range 40 east	23,090.36	
24	Township 14 south, range 40 east	22,612.04	
25	Township 15 south, range 40 east	23,066.04	
26	Township 16 south, range 40 east	18,077.42	
27	Township 9 south, range 41 east	15,310.80	
28	Township 10 south, range 41 east	7,685.35	
29	Township 11 south, range 41 east	11,516.02	
30	Township 12 south, range 41 east	11,526.56	
31	Township 13 south, range 41 east	639.84	
32	Township 8 south, range 42 east	22,971.63	
33	Township 9 south, range 42 east	23,017.81	

H.—*Tabular list of townships surveyed, &c.—Continued.*

Number of townships surveyed.	Description of townships.	Area of public lands.	Area of Indian reservation.
34	Township 10 south, range 42 east.	3,840.90	
35	Township 10 south, range 43 east.	23,077.58	
36	Township 31 north, range 2 east.	8,078.90	
37	Township 30 north, range 3 east.	3,842.48	
38	Township 36 north, range 6 west.	2,555.18	
39	Township 37 north, range 6 west.	3,128.90	
40	Township 38 north, range 6 west.	3,140.60	
41	Township 39 north, range 6 west.	3,120.13	
42	Township 40 north, range 6 west.	3,120.13	
43	Township 41 north, range 6 west.	3,099.19	
44	Township 42 north, range 6 west.	3,081.74	
45	Township 43 north, range 6 west.	3,059.85	
46	Township 8 south, range 39 east.	21,634.26	
47	Township 8 south, range 40 east.	23,023.65	
48	Township 8 south, range 41 east.	22,910.70	
49	Township 9 south, range 40 east.	23,061.30	
50	Township 10 south, range 40 east.	23,096.73	
51	Township 11 south, range 40 east.	23,080.24	
52	Township 12 south, range 40 east.	11,533.80	
53	Township 1 north, range 3 west.	10,013.21	
54	Township 1 north, range 4 west.	3,830.62	
55	Township 2 north, range 4 west.	16,922.80	
56	Township 1 south, range 3 west.	5,690.92	
57	Township 2 south, range 3 west.	5,852.54	
58	Township 3 south, range 3 west.	2,570.33	
59	Township 2 south, range 4 west.	5,120.00	
60	Township 3 south, range 4 west.	7,682.34	
61	Township 32 north, range 1 east.		17,302.10
62	Township 33 north, range 3 west.		6,895.45
63	Township 31 north, range 2 east.		2,840.60
64	Township 32 north, range 2 east.		22,903.75
65	Township 33 north, range 1 east.		19,600.00
66	Township 33 north, range 2 east.		10,000.00
67	Township 33 north, range 3 east.		1,498.82
68	Township 33 north, range 4 east.		2,890.00
69	Township 34 north, range 2 east.		940.75
70	Township 34 north, range 3 east.		5,440.00
71	Township 44 north, range 4 west.		13,120.00
72	Township 44 north, range 5 west.		
		803,217.93	103,795.52
			803,217.93
	Total area.		907,013.45
170	Townships previously reported		2,832,203.51
14	Townships previously reported of Indian reservations		185,625.41
	Total acres surveyed		3,924,842.37

I.—*Statement of application for the survey of mineral lands.*

Name of mine.	Mining-district.	County.	Character.
Douglas placer-mine	Lemhi	Lemhi	Gold.
Fred Phillips's placer-mine	do	do	Do.
Gertson placer-mine	do	do	Do.
Golden Eagle mine	Red Warrior	Alturas	Do.
Hancock placer-mine	Lemhi	Lemhi	Do.
Hughes placer-mine	do	do	Do.
Johnson placer-mine	do	do	Do.
McNichol Company's placer-mine	do	do	Do.
Tingley placer-mine	do	do	Do.
Victor mine	Red Warrior	Alturas	Do.

K.—Names, nativity, &c., of surveyor-general, clerks, &c., for the fiscal year ending June 30, 1874.

Name.	Occupation.	Nativity.	Whence appointed.	Time of service.	Amount.
La Fayette Carles.....	Surveyor-general	New York....	Idaho Ter..	Entire year...	\$3,000 00
William P. Thompson.....	Chief clerk	.....do.....	.....do.....	.....do.....	1,800 00
Theophilus W. Randall.....	Draughtsman.....	England.....	.....do.....	9 months and 16 days.....	1,190 21
Louis Scholl.....	Asst. draughtsman	Germany.....	.....do.....	82 days.....	334 24
Thomas Donaldson.....	Copying clerk	Ohio.....	.....do.....	123 days.....	501 37
James H. Bush.....	.....do.....	.....do.....	.....do.....	31 days.....	126 37
Thomas Conroy.....	Messenger.....	Ireland.....	.....do.....	Entire year...	600 00
					7,552 19

K.—Report of surveyor-general of Utah Territory.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Salt Lake City, Utah, August 24, 1874.

SIR: I have the honor to submit, in duplicate, the annual report of the operations of this office for the fiscal year ending June 30, 1874, embracing statements as follows:

A.—Statement of contracts entered into by the United States surveyor-general for Utah Territory, with the number of miles surveyed and the cost thereof, during the fiscal year ending June 30, 1874.

B.—Statement showing the townships and area of public lands surveyed during the fiscal year ending June 30, 1874.

C.—Statement of special deposits made for the survey of agricultural lands during the fiscal year ending June 30, 1874.

D.—Statement of special deposits made for the survey of mining-claims during the fiscal year ending June 30, 1874.

E.—Statement of mining-claims surveyed during the fiscal year ending June 30, 1874.

F.—Statement of plats made in the office of the United States surveyor-general during the fiscal year ending June 30, 1874.

G.—Estimate of appropriation required for the surveying-service in the Territory of Utah for the fiscal year ending June 30, 1876.

H.—Statement of amount of salaries paid surveyor-general and clerks for the fiscal year ending June 30, 1874; also, of incidental expenses for the same period.

On assuming charge of this office on the 19th day of January, 1874, I found that my predecessor had entered into contracts for surveys to the full amount of the appropriation made March 3, 1873, and also contracts to be paid from deposits made by individuals. All contracts entered into are completed.

Sixty-six townships were surveyed during the year, embracing an area of 849,164.24 acres, of which 783,901.27 acres were returned as agricultural and 65,262.97 acres as mineral land; 62 miles of meridian, 13 miles 75 chains 82 links of base, 61 miles 54 chains 13 links of standard, 586 miles 4 chains 4 links of township, 3 miles 9 chains 29 links of meander, and 2,383 miles 23 chains 18 links of section-lines were established, at a cost of \$32,955.99, of which \$24,855.59 was paid out of the appropriation of \$25,000 made March 3, 1873, leaving a balance of appropriation of \$114.41 unexpended. The remaining expenses were paid out of individual deposits made for that purpose. The work done was within the limits of the grant to the Central Pacific Railroad, and in the northwestern portion of the Territory, and in Tintic and Castle Valleys, and in Iron County, embracing a portion of the coal and iron lands in that portion of the Territory.

Forty-nine mining-claims were surveyed for patent, at a cost to the applicants of \$1,225. The preparation of plats, examination and transcribing of field-notes in these surveys, occupy very nearly as much time as the work under the general appropriation.

Two plats of Salt Lake base-line, 16 plats of exterior township-lines, 201 plats and diagrams of townships subdivided, and 217 plats of mining-claims and mill-sites, a total of 436 plats and diagrams made during the year. A critical examination of the field-notes of every survey has been made, and transcripts taken of the same.

The following is an estimate of the appropriation required for the surveying-service in this Territory for the fiscal year ending June 30, 1876:

For salary of surveyor-general.....	\$3,000
For salary of chief clerk.....	1,800
For salary of chief draughtsman.....	1,500

For salary of assistant draughtsman.....	\$1, 400
For salary of assistant clerk.....	1, 400
For salary of transcribing clerk.....	1, 200
For rent, fuel, stationery, incidentals, and messenger.....	2, 500
For continuing survey of base, meridian, township, and subdivision lines.....	60, 000
	72, 800

It will be seen that the estimated amount required for the surveying-service is greatly in excess of the amount of appropriations made for the past years for this Territory, although not greater than will be required to enable this office to make the surveys called for, and to provide for the large and increasing immigration annually flowing into the Territory. Many applications for surveys have been made by settlers, but I am unable to do the work, on account of the small amount of the appropriation for this year.

In population, richness, and extent of mineral resources, agricultural, coal, and iron lands, this Territory is not surpassed by any of her sister Territories.

Considering the great extent of country yet unsurveyed, the demand for surveys by the rapid increase of population and the interests of the Government and the settlers, I regard the estimates as reasonable and just.

I would also earnestly urge the necessity of an appropriation for the survey of the exterior boundaries of the Uintah Indian reservation in this Territory, for it is impossible to locate said lines, or for a settler upon the public lands to know whether he is trespassing upon the rights of the Indian or not. And there is another reason for the necessity of establishing the boundaries of this reservation, and that is, to enable this office to close the public surveys on the proper lines, which cannot be done until these boundaries are established by actual surveys.

I respectfully submit the following statements in relation to the resources of this Territory. Although Utah may not equal some of her sister States, she surpasses the other Territories in the richness and extent of her mineral resources and agricultural lands, and in the quantity, quality, and variety of her productions, as she does in the numbers of her population.

Over 250,000 acres of land were under cultivation the past year, and the yield is far in excess of that of any former year. The estimated product is, of wheat, 2,000,000 bushels; barley, 350,000 bushels; oats, 700,000 bushels; Indian corn, 375,000 bushels; potatoes, 2,000,000 bushels; hay, 300,000 tons. The fruit-crop, chiefly apples, apricots, peaches, pears, and grapes, is greater than ever before, and affording an abundant supply for all.

#### MANUFACTORIES.

Every year adds to the number of the various manufactories—to the many flouring, saw, planing, and woolen mills, already giving employment to thousands, and supplying the wants of the inhabitants of the Territory with their various products; there are now added furnaces, founderies, and mills for the manufacture of iron and iron-ware.

#### MINERAL RESOURCES.

Among the great variety of minerals found in this Territory, and which is to add to her wealth and prosperity, there is none more prominent than her iron.

Within the past year a new and powerful impetus has been given to mining industry in this Territory, which is very worthy of notice in connection with the subject of developing the internal resources of Utah.

It is a remarkable fact that heretofore the majority of mining enterprises have been inaugurated by outsiders, and conducted by foreign capital. Until this last year or two very little Utah money has been invested in our mines, and very little interest manifested in their development by the inhabitants proper. This is more especially true in regard to silver-mining, as even now almost all the principal mines belong to, and are worked by, foreign incorporations. This indifference probably arose from two reasons—lack of sufficient capital to prosecute great undertakings, and want of faith in the real value and permanent success of the mines.

Be this as it may, it is now an established fact that the inhabitants begin to realize that Utah is the most extensive iron-bearing country on the globe, and they are determined to utilize these vast resources, together with the immense and valuable coal-deposits which also exist in different parts of the country. They begin to appreciate the lasting benefits to be derived by their development and utilization, and which will be a source of wealth both permanent and substantial.

Following is a brief description of the localities where these minerals have been discovered in large quantities, and, so far as known, the extent and principal characteristics of the deposits. Some of these deposits have, in all probability, been referred to in previous reports from this office, but repetition here will not be out of place, as further particulars are constantly being developed as new explorations are prosecuted.

To commence with the iron, the most prominent and extensive deposits known in the Territory are near Iron Springs, and Iron City, in Iron County, and about two hundred and forty miles southwest from Salt Lake City. These deposits are situated in the Iron Mountains, and are in the form of immense ledges, standing almost vertical, along the lines of which solid ore is exposed in distances varying from 300 to 1,500 feet in length.

There are ten separate deposits of mineral, five situated north of Iron Springs and five on the southwestern slope of the mountains, the extremes between the two deposits being not more than ten miles apart; and while similar in formation, appearance, and extent, each deposit is entirely disconnected from any of the others. This locality has evidently been the scene of a great volcanic transformation at some remote period, and this, combined with other causes, has shattered the ledges in a considerable degree, and as a result the mountains are covered with fragments of ore, varying in weight from a few pounds to several tons. There is such a profusion of these detached masses, that immense quantities of ore can be obtained without the trouble or cost of mining, more than sufficient to run a smelter for many years. Some examinations and analyses of these fragments, made at the United States assay-office in New York, determine conclusively the character of the ore. One specimen, marked "hematite," contained 64.4 per cent. metallic iron; and another, marked "magnetite," contained 52.2 per cent. metallic iron. The report accompanying these assays declared the ores to be of the best varieties, and remarkably free from all impurities. Another noticeable feature of this locality is that in the immediate vicinity of the iron-beds there exist large quantities of limestone and argillaceous oxides of iron, which have been used very successfully as flux in the furnace which was in operation several years ago at Iron City.

One illustration as to the extent of these resources will here be sufficient, a brief description of a single hill, "Blowout Mountain," situated ten miles northeast of Iron City. This mountain is 1,650 feet east and west, 1,250 feet north and south, and 400 feet high, and is composed of solid iron-ores of the purest quality. The western half is hematite, the eastern half magnetic, and the formation indicates a true fissure-vein, being granite on the north and limestone on the eastern base.

This is beyond question the most remarkable and extensive iron deposit in the world, far exceeding the celebrated "Seven Wonders" in the State of Missouri. This mountain is estimated (from actual measurement) to contain 825,000,000 cubic feet, or 123,900,000 tons of solid ore. Taking an average of 70 per cent. to the ton, which is 10 per cent. less than has actually been produced, here is enough material to yield 90,233,000 tons of manufactured iron. Considering the total consumption of manufactured iron in the United States for the year 1873, gathered from official statistics, and allowing for a reasonable rate of increase, there is sufficient iron in this one deposit to supply the entire United States for more than twenty years; and in Utah there are many sisters to Blow-out Mountain, but this is not all. There exists the very best of fire-clay in the immediate vicinity of the mountain, which has been tested and proved to be A No. 1, and can be used for constructing furnaces. Directly south, about two miles distant, there exists a large coal-bed, which contains a well-defined vein of coal about seven feet in width. Within a space of five miles are found six different classes of iron-ores, fire-rock, fire-clay, lime, first-class sandstone for molding, coal for fuel, which constitutes all the requisites for the cheap and successful manufacture of iron. So much, in brief, of the resources of Iron County.

A company has been incorporated under the laws of Utah for the purpose of purchasing and developing iron, coal, zinc, and other minerals found in Iron County, and extracting, reducing, manufacturing, and disposing of the same. Large tracts of iron and coal lands, silver and zinc locations, have already been purchased, also a blast-furnace, air-furnace, foundry, machine-shop, office, &c., at Iron City, together with good sites on which to erect rolling-mills, additional furnaces, and all buildings necessary to carry out the purposes of the company. The corporation is called "The Great Western Iron Mining and Manufacturing Company," with capital-stock of \$2,000,000, and its offices are situated in Iron City and Provo City.

The next most important discovery of iron has been made in the Castle Valley region, about one hundred and fifty miles distant southeast from Salt Lake City. The term Castle Valley region is common to a certain portion of the Green River Basin, and comprise a large tract of country lying south of the Roan and Little Mountains, a spur of the Wahsatch range, and is situated in San Pete and Sevier Counties. This section of the country is very little known, as it has been until lately an almost unexplored region, but it has attracted a great deal of attention from those few who have ventured within its limits, on account of singularly interesting and peculiar natural characteristics, independent of its valuable mineral attractions.

It is impossible to give a just estimate of the iron resources of Castle Valley, but from all indications it is safe to say it exists in large quantities, and, judging from the character of what, in mineral parlance, is termed "float," the ores are probably of a superior quality. But none of the resources of this locality can be known or developed until railroad communication is perfected with Salt Lake City and other points.



Important deposits of iron also exist in Mineral Point mining-district, Cache County, in the northern part of the Territory, about seventy-five miles distant from Salt Lake City. The iron-ores found in this district have been pronounced by competent judges to be of a superior quality to those obtained from the celebrated iron-beds at Marquette, on the shore of Lake Superior. The ores are both hematite and magnetic, the latter somewhat predominating, and average generally about 50 per cent. of metallic iron.

Traces of iron exist in Dry Lake, Mellville, and Logan mining districts, in the same county; and now that the Utah Northern Railroad brings them into direct communication with Salt Lake City and Ogden, there can be no doubt but the mineral wealth of Cache County will soon be developed.

In Box Elder County, opposite the city of Corinne, and only two miles distant from the line of the Utah Northern Railroad, a large body of iron-ore has been found in the Idaho mine, and also discovered in more or less quantities in a number of other mines. The iron-ores are equal to Wyoming hematites, and a considerable amount has been shipped to Salt Lake City and adjacent country during the past year, and used as a flux for the reduction of other ores, at a far less cost than the imported material, for which large sums have been annually sent out of the Territory.

Iron has also been discovered in the Adams mining-district, situated in City Creek Cañon, only ten miles distant from Salt Lake City. The ores are of a fine quality, and during the past season several shipments were made to some of the smelting-works south of this city, where they were employed as flux. On account of its close proximity to Salt Lake City, and the consequent facilities for transportation at comparatively little cost, this district could readily become a very successful center for supplying the numerous smelting-works situated south of this city with all the iron-flux that they would require in the reduction of silver and lead ores.

Fine bodies of iron-ores have been discovered in Cold Water and Ogden Cañons, which is of a very superior quality, and assays 50 to 60 per cent. pure iron. These cañons are only six miles distant from Ogden City, the junction of the Union and Central Pacific Railroads. There is no point in Utah more favorably located for the successful manufacture of iron than Ogden City, and a company has lately been incorporated under the style of the "Ogden Iron Manufacturing Company," with a large capital for this purpose. Operations for the erection of their works were commenced on the 1st day of last June, and it is expected that they will be in full blast by the 15th of September. The works will consist of two rolling-mills, one twenty-one inches, and the other nine inches; the former to be used for the manufacture of railroad-iron, and the latter for merchant-iron, of various sizes and descriptions; one cupola blast-furnace, with a capacity for turning out 200 tons of pig-iron weekly, and a foundry which will be run by a wheel, the weight of which will be 25 tons, and have a diameter of 20 feet. This fact alone will give some idea of the gigantic nature of the work contemplated to be turned out by this extensive establishment.

The above are the principal localities where iron has been found in large quantities, but as traces of this mineral exist in almost every county throughout the Territory, it is more than probable that other large deposits will be brought to light. Meanwhile, we have at our feet more than we could use ourselves for many centuries, and almost enough to supply the entire known world for the same length of time. Let only one iota of these resources be properly employed, and it will prove of incalculable benefit to the country at large, and be a source of immense revenue to the Territory.

#### COAL.

In addition to former reports from this office in relation to the coal resources of Utah, I have to add that all later explorations prove the existence of this mineral in much larger quantities than was first imagined. Too much cannot be said on the value of these coal-deposits, and the benefits their development will prove to the Territory, as here lies a solid and permanent basis of wealth.

Large sums of money are annually sent out of this country for both coal and coke, which can be kept at home, and a large revenue be also made by exporting these articles.

During the year 1873, there were imported over the Utah Central Railroad, into Salt Lake City, 93,028,138 pounds of coal, at a cost of \$302,341, and 14,498,670 pounds of coke, at a cost of \$246,466.

The nearest known coal-deposit to Salt Lake City is 40 miles distant, in the valley of the Weber, near Coalville, Summit County, and embraces a region of about ten miles in width by twenty-four miles in length, toward Castle Rock and Wahsatch stations on the Union Pacific Railroad. A number of mines are being worked in this district, but the amount of coal is far inadequate to supplying the wants of the Salt Lake and local markets for domestic use, which is the only purpose for which these coals are adapted, as they cannot be made into coke. Some of these beds are of a remarkable breadth and thickness, the veins averaging from 10 to 14 feet thick, all solid coal, and

very free from general impurities. They are of the same formation as the coal-beds of Colorado and Wyoming, and belong to the Tertiary period.

The following is an analysis of some specimens of coal from the valley of the Weber, made in Philadelphia:

Number.	Carbon.	Hydrogen.	Nitrogen.	Oxygen.	Total sulphur.	Water.	Mineral matter.	Color of ash.
1	64.824	4.336	1.288	15.518	1.602	9.415	2.999	White.
2	69.840	3.897	1.932	10.990	.768	9.170	3.403	Gray.
3	64.992	3.762	1.736	15.191	1.066	11.565	1.680	Yellow-brown.

The Summit County Railroad runs directly to these mines, and connects with the Union Pacific Railroad at Echo, where the coal is re-shipped and transported over the Union Pacific and Utah Central Railroads without change of cars to Salt Lake City.

Only a small portion of this coal-land has been surveyed, but I am of the opinion that if the balance of this coal-measure was surveyed, so that individuals could obtain title to their mines, many more would be opened up, which are now outside of the public survey, the product of which would find a ready market at Salt Lake City.

But the most extensive and valuable deposits of coal yet discovered in the Territory are in San Pete County, about eighty miles from Salt Lake City. These beds comprise many thousands of acres, and the coal is bituminous, firm and compact, and is capable of being made into first-class coke. Experiments have shown it to return 65 per cent. of coke to the ton of coal, and it also possesses another advantage, that it can be successfully used in furnaces without first being coked. But its principal value exists in the fact that it will coke so easily, and, when the lands are properly developed and coke manufacture in successful operation, it will be in constant and steady demand at good prices. At present there are 30 smelting-works, 10 quartz-mills, 1 separating and refining and 1 concentrating work in successful operation in the Territory, and the number is constantly increasing, and depending upon imported coke or charcoal. All these works would use home-made coke in preference to the imported material, as it would cost so much less. Pennsylvania coke costs \$34 per ton in Salt Lake City, by the car-load, whence it has to be freighted to the different works, three-fourths of which are located south of the city, on the route to these coal-fields.

Some of the Utah coke has been tried lately in the Germania Separating and Refining Works, near Salt Lake City, and with so much success that the Germania Company pronounce it equal in quality to the best imported material, and are ready to use it exclusively when a sufficient quantity can be obtained. Measures to accomplish this are to be commenced immediately, which is an important step in the right direction.

In addition to furnaces, there are a number of locomotives on the different railroads to be supplied, independent of a very large local demand for domestic use, for which purpose it is well adapted. There are several adjacent counties, with nearly 40,000 inhabitants, that must ultimately draw their supply of fuel from these beds, as soon as railroad communication is established with the land. Non-railroad communication has been the principal barrier to their development, but the interests of the people render a railroad an absolute necessity, and the building of one cannot and will not be long delayed.

The discovery of the immense iron-deposits in Iron County stimulated the search for coal, and, led by indications of mineral coal on the southern slope of the iron-range, veins of considerable promise were opened about nine miles from Iron City and four miles from New Harmony. These veins have been traced for several miles, and it is said that the coal cokes easily. Yet nothing more definite is known of the quality or extent of the deposit.

Although this system of veins is valuable, from their proximity to the iron-deposits, they appear very insignificant when compared with the coal-field of the country which is situated on the western slope of the Wahsatch Mountains. Here the veins have been traced and opened at intervals for fifteen miles south from the exposure at the head of Cedar Creek Cañon, and the coal may be traced by the eye for a long distance to the north. The most northerly opening exposes a seam 5 to 7 feet in thickness, and at the more southern point (thirteen miles from the first) there is a vein showing six seams, containing an aggregate thickness of 19 feet. Five other veins of coal, varying from 2½ to 4½ feet in thickness, have been opened by a tunnel, developing level strata. It is impossible to approximate the extent of this mineral in acres or tons, but enough has been seen to warrant the belief that the supply of both iron and coal in this favored region is practically inexhaustible.

In the Castle Valley region, previously mentioned in this report in connection with

iron, very extensive deposits of coal have been discovered. Every part of the Green River Basin, for a large number of miles, shows signs of the existence of this mineral, except in occasional spots where it has been destroyed by fire. Complete analysis of the coal has not been obtained, but it is bituminous and in all probability will make good coke. These beds are far less accessible than those found in San Pete Valley, but in all probability, when they are more fully developed, those in Castle Valley will prove to be the most extensive.

#### MINING INTERESTS.

There is not much more to add to previous reports from this office on this subject, except to say that this branch of industry continues in a healthy and prosperous condition. Besides coal and iron the mineral resources are extraordinary in their diversity and extent, and afford an inexhaustible field for enterprise, worthy the attention of science and capital. Among them are the ores of all the principal metals, together with many of the rarer minerals.

A number of new mining-districts have been organized during the past year, making a total of about sixty at present in the Territory, in all of which prospecting and development are going on with encouraging results.

The value of the products of these districts for the past year, in gold, silver, and lead ores, is estimated at not less than \$5,000,000.

#### RAILROADS.

With the rapid growth and development of Utah, and the accumulation of people in new and remote localities, the question of extending railroad facilities and the cheapening of the cost of providing them, is becoming one of paramount importance to all classes of our community. Whatever other agencies may do in assisting mankind to a utilization of natural resources, none certainly performs the functions so vastly important in that direction so well as the railway, pushing everywhere in the trail of the pioneer, and almost keeping pace with the march of the explorer. In Utah, where the mountain ranges are full of valuable mineral deposits and the valleys rich in agricultural products, the narrow-gauge system is especially applicable, as the old system of construction is much more costly, and must await for years the increase of population and growth of industry before the necessary amount of capital can be gathered to build them. The narrow-gauge system has already made considerable progress in Utah.

Following are the principal roads in operation at present: The Utah Northern Railroad, eighty-one miles; Summit County Railroad, nine miles; American Fork, twenty-one miles; Bingham Cañon and Camp Floyd Railroad, twenty-one miles; Wahsatch and Jordan Valley Railroad, twelve miles; aggregating, in all, one hundred and forty-four miles. Besides these, there are four different lines of broad-gauge railroad in the Territory, making, with the narrow-gauge roads, four hundred and fifty-nine miles of railroads in complete operation in Utah, which shows an increase of ninety-three miles constructed since the report of last year.

The whole area of public lands surveyed in this Territory, up to June 30, 1874, is equal to 5,300,883 acres; the area under cultivation, 250,000.

The following statement will evidence the increasing prosperity of the Territory and demand for public lands:

There were disposed of at the land-office, in Salt Lake City, from June 30, 1873, to June 30, 1874, 17,739 acres under the homestead law, 13,669 acres cash entries of pre-emption, 2,716 acres by college scrip; making a total of 34,124 acres during the year.

As nearly as can be ascertained the population of the Territory is 130,000.

With her inexhaustible mineral resources, her rich and extensive agricultural lands, developed by an intelligent and enterprising population, Utah should, within a few years, take her place in the Union as one among the leading States of the great West.

Respectfully submitted.

NATHAN KIMBALL,  
*Surveyor-General of Utah Territory.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

A.—Statement of surveys of public lands completed during the fiscal year ending June 30, 1874.

Deputy.	Contract.		Survey.	Extent.	Cost.
	No.	Date.			
A. J. Stewart, sr ...	37	Dec. 4, 1872	Exterior boundaries of township 35 south, range 12 west; township 37 south, range 11 west. Subdivision of township 35 south, range 12 west; township 37 south, range 11 west.	<i>ms. chs. lks.</i> 18 00 18 72 24 67	\$216 03 723 08
A. J. Stewart, jr...	38	May 7, 1873	Exterior boundaries of townships 4 and 5 south, ranges 1 and 2 west; township 32 south, range 6 west; township 33 south, range 7 west; township 34 south, range 8 west; township 36 south, ranges 13 and 14 west; township 37 south, range 10 west; township 37 south, ranges 13 and 14 west. Seventh standard parallel south, in ranges 13 and 14 west. Subdivision of townships 4 and 5 south, range 2 west; township 32 south, range 6 west; township 33 south, range 7 west; township 34 south, range 8 west; township 36 south, ranges 13 and 14 west; township 37 south, range 10 west; township 37 south, ranges 13 and 14 west.	146 46 28 9 00 00 372 18 51	1,758 94 135 00 3,722 31
Joseph Gorlinski...	39	June 2, 1873	Third standard parallel south, in ranges 5, 6, 7, and 8 west. Exterior boundaries of townships 13, 14, and 15 south, range 4 west; township 14 south, range 5 west; township 15 south, ranges 6, 7, and 8 west; townships 13 and 14 south, ranges 6 and 7 west. Subdivision of township 11 south, range 2 west; townships 13, 14, and 15 south, range 4 west; township 15 south, ranges 5, 6, and 7 west; townships 13 and 14 south, ranges 6 and 7 west.	23 00 72 96 70 48 455 36 52	345 13 1,162 57 4,554 56
Geo. V. M. Bontelle.	40	June 9, 1873	Guide meridian township 8 north, ranges 14 and 15 west. Exterior boundaries of township 8 north, ranges 15, 16, 17, 18, and 19 west; township 13 north, ranges 8, 9, and 10 west; township 14 north, ranges 7, 8, 9, and 10 west; township 15 north, ranges 7, 8, 9, and 10 west. Subdivisions of township 8 north, ranges 16, 17, and 18 west; township 13 north, ranges 8, 9, and 10 west; township 14 north, ranges 7, 8, 9, and 10 west; township 15 north, ranges 7, 8, 9, and 10 west.	6 00 00 117 34 86 445 57 29	90 00 1,409 23 4,457 17
Julien Bausman ...	41	June 19, 1873	Guide meridian between townships 1 and 2 north, ranges 9 and 10 east. Exterior boundaries of townships 2 and 3 north, range 9 east; townships 2 and 3 north, range 10 east; townships 1 and 2 north, range 5 east; township 3 north, range 8 east. Subdivision of townships 1 and 2 north, range 5 east; township 3 north, range 8 east; townships 1, 2, and 3 north, range 8 east; townships 2 and 3 north, range 10 east.	14 00 00 69 78 22 374 36 88	210 00 839 73 3,744 60
Aug. D. Ferron...	42	June 19, 1873	Guide meridian between townships 16, 17, and 18 south, ranges 8 and 9 east; townships 19 and 20 south, ranges 7 and 8 east; townships 21 and 22 south, ranges 6 and 7 east. Third standard parallel south, in ranges 6, 7, 8, 9, and 10 east; fourth standard parallel south, in ranges 7 and 8 east. Exterior boundaries of townships 16, 17, and 18 south, range 9 east; townships 19 and 20 south, range 8 east; townships 19, 20, and 21 south, range 7 east; townships 21, 22, and 23 south, range 6 east.	42 00 00 29 53 41 78 35 97	630 00 445 02 941 40

A—Statement of surveys of public lands completed during the fiscal year, &amp;c.—Continued.

Deputy.	Contract.		Survey.	Extent.	Cost.
	No.	Date.			
Aug. D. Ferron ....	42	June 19, 1873	Subdivision of townships 18, 19, and 20 south, range 8 east; township 18 south, range 9 east; townships 19, 20, and 21 south, range 7 east; townships 21, 22, and 23 south, range 6 east.	<i>mls. chs. lks.</i> 406 72 17	\$4,069 02
William Hardin ...	44	July 29, 1873	Salt Lake base-line, in ranges 5, 6, 7, and 9 east.	13 75 82	209 21
			Exterior boundary of township 1 north, range 9 east.	2 00 00	24 00
			Subdivision of township 1 north, range 9 east.	13 03 45	125 43
Aug. D. Ferron....	45	Nov. 23, 1873	Exterior boundaries of township 13 south, ranges 1 and 2 east; township 16 south, range 4 east.	17 27 58	208 13
			Subdivision of township 13 south, ranges 1 and 2 east; township 15 south, range 2 east; townships 15 and 16 south, range 4 east.	73 69 84	738 73
Joseph Gorlinski...	46	Dec. 20, 1873	Exterior boundaries of township 10 south, range 4 west.	4 70 87	58 63
			Subdivision of township 10 south, ranges 4 and 5 west; township 11 south, ranges 4 and 5 west.	114 44 76	1,145 59
M. T. Burgess .....	48	April 2, 1874	Exterior boundary of township 1 south, range 4 west.	1 30 00	16 50
			Subdivision of township 1 south, ranges 3 and 4 west; township 2 south, range 4 west.	5 45 70	55 71
			Meanders of township 1 south, ranges 3 and 4 west.	3 69 29	31 16
Julien Bausman ...	49	April 2, 1874	Exterior boundary of township 4 south, range 6 west.	50 00	7 50
			Subdivisions of townships 4 and 5 south, range 6 west; township 3 south, range 2 east.	14 40 58	145 07
J. F. Smith .....	50	May 12, 1874	Exterior boundaries of township 3 south, ranges 1 and 2 west.	32 39 60	389 94
			Subdivision of township 3 south, ranges 2 and 3 west.	34 52 81	346 60
Total.....				3,110 06 46	33,955 99

NATHAN KIMBALL.  
United States Surveyor-General for Utah.

B.—Statement of public lands surveyed during the fiscal year ending June 30, 1874.

No. of township surveyed.	Township.	Range.	Public lands.	Unsurveyed mount- ain lands.	Returned as min- eral lands.	Total.	Remarks.
			<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>		
1	1 & 2 south.	3 & 4 west.	1,326.89	15,004.52		16,331.41	Additional survey.
2	4 south	2 west	5,440.00	17,600.00		23,040.00	Do.
3	4 south	6 west	790.00	10,851.81		11,641.81	Do.
4	5 south	6 west	50.00	10,908.93		10,958.93	Resurvey and addi- tional survey.
5	5 south	2 west	21,932.48		1,118.57	23,051.05	
6	10 south	4 west	19,046.68	1,881.00		20,927.68	
7	10 south	5 west	2,560.00	20,480.00		23,040.00	Additional survey.
8	11 south	2 west	80.00	18,028.98	360.00	18,468.98	
9	11 south	4 west	20,646.29	2,393.71		23,040.00	
10	11 south	5 west	1,035.23	10,964.06		11,999.29	Do.
11	13 south	4 west	2,000.00	15,520.00		17,520.00	Do.
12	13 south	6 west	22,243.78	1,280.00		23,523.78	
13	13 south	7 west	22,868.35	160.00		23,028.35	
14	14 south	4 west	9,447.52	13,592.48		23,040.00	
15	14 south	6 west	17,192.77	5,847.23		23,040.00	
16	14 south	7 west	23,037.98			23,037.98	
17	15 south	4 west	10,625.40	5,774.60		16,400.00	Do.
18	15 south	5 west	23,235.30			23,235.30	
19	15 south	6 west	20,725.75	2,320.00		23,045.75	
20	15 south	7 west	23,040.79			23,040.79	
21	32 south	6 west	15,033.61	5,840.00	2,200.00	23,073.61	
22	33 south	7 west	9,283.49	12,796.51	960.00	23,040.00	
23	34 south	8 west	9,603.10	13,436.90		23,040.00	
24	36 south	13 west	9,919.45	8,160.00	4,960.55	23,040.00	
25	36 south	14 west	2,871.04	10,409.86	9,759.19	23,040.00	
26	37 south	10 west	21,801.86	1,238.14		23,040.00	
27	37 south	13 west	5,525.98	16,234.02	1,280.00	23,040.00	
28	37 south	14 west	15,039.64	4,158.81	3,841.55	23,040.00	
29	3 south	2 east	70.00	22,630.00		22,700.00	Do.
30	13 south	1 east	800.00	12,756.17		13,556.17	Do.
31	13 south	2 east	5,460.64	14,419.36		19,880.00	Do.
32	15 south	2 east	800.00	17,840.00		18,640.00	Do.
33	15 south	4 east	3,480.00			3,480.00	Do.
34	16 south	4 east	8,727.03	14,312.97		23,040.00	
35	18 south	8 east	23,035.34			23,035.34	
36	18 south	9 east	19,627.65	3,412.35		23,040.00	
37	19 south	7 east	8,784.14	14,255.86		23,040.00	
38	19 south	8 east	19,290.28	3,749.72		23,040.00	
39	20 south	8 east	9,363.76	13,676.24		23,040.00	
40	20 south	7 east	20,725.24	2,314.76		23,040.00	
41	21 south	6 east	6,400.00	16,640.00		23,040.00	
42	21 south	7 east	17,697.92	5,342.08		23,040.00	
43	22 south	6 east	14,426.45	2,693.55	5,920.00	23,040.00	
44	23 south	6 east	1,763.12	16,223.35	5,053.53	23,040.00	
45	8 north	16 west	22,957.31			22,957.31	
46	8 north	17 west	22,950.59			22,950.59	
47	8 north	18 west	4,793.57	18,246.43		23,040.00	
48	13 north	8 west	4,001.97	19,038.03		23,040.00	
49	13 north	9 west	21,795.40	1,280.00		23,075.40	
50	13 north	10 west	15,359.88	7,680.12		23,040.00	
51	14 north	7 west	1,918.63	21,121.37		23,040.00	
52	14 north	8 west	20,088.90	2,951.10		23,040.00	
53	14 north	9 west	23,040.56			23,040.56	
54	14 north	10 west	23,036.86			23,036.86	
55	15 north	7 west	1,308.18	3,919.50		5,227.68	
56	15 north	8 west	2,375.04	2,820.00		5,195.04	
57	15 north	9 west	5,022.10			5,022.10	
58	15 north	10 west	4,920.13			4,920.13	
59	1 north,	5 east	7,987.73	640.00	14,421.13	23,048.86	
60	2 north	5 east	4,726.11	3,200.00	15,128.54	23,054.65	
61	3 north	8 east	19,202.72			19,202.72	
62	1 north,	9 east	4,828.68	18,051.32	160.00	23,040.00	
63	2 north	9 east	23,037.68			23,037.68	
64	3 north	9 east	15,355.75			15,355.75	
65	2 north	10 east	23,016.89			23,016.89	
66	3 north	10 east	15,321.64			15,321.64	
Total			783,901.27	494,095.84	65,262.97	1,333,160.08	

NATHAN KIMBALL,  
United States Surveyor-General, Utah.

## C.—Statement of deposits made by individuals for the survey of agricultural lands for the fiscal year ending June 30, 1874.

Depositor.	Description of survey.	Field-work.	Office-work.	Total.
E. D. Wooley, adm'r.	Township 3 south, range 2 east	\$150 00	\$25 00	\$175 00
Jeter Clinton	Township 1 south, range 4 west	40 00		40 00
J. C. Shepherd	do	54 06		54 06
James Whitacre	Townships 35 and 37 south, ranges 10 and 14 west.	200 00		200 00
William Middleton	do	200 00		200 00
Walter Hunter	do	52 00	25 00	77 00
Lorenzo B. Rodebeck	Township 5 south, range 2 west.	200 00		200 00
James Rodebeck, jr	do	121 67		121 67
William J. Boardman	Township 34 south, range 8 west.	100 00		100 00
Amos Rogers	Township 32 south, range 6 west.	200 00		200 00
Zachariah Decker	do	200 00		200 00
Smith D. Rogers	do	175 00	25 00	200 00
Hyram Schofield	do	37 75		37 75
Louis Fisher	Township 37 south, range 13 west.	133 19		133 19
Ebenezer Hanks	Township 37 south, range 14 west.	100 00		100 00
Robert Richie	do	200 00		200 00
Anna Gordon	do	178 00		178 00
Ebenezer H. McDougal	do	143 20		143 20
Sarah J. Casper	Township 36 south, range 14 west.	73 06		73 06
James H. Hart	do	200 00		200 00
William Holyoak	Township 33 south, range 7 west.	184 75		184 75
Robert Gribble	do	175 00	25 00	200 00
James Rodebeck	Townships 4 and 5 south, ranges 1 and 2 west.	25 00		25 00
John Duncan	do	25 00		25 00
John McNeil	do	200 00		200 00
William B. Pace	Township 36 south, range 13 west.	200 00		200 00
Warren N. Dusenbury	do	176 40		176 40
Samuel H. Rogers	Townships 32 and 33 south, ranges 6 and 7 west.	100 00		100 00
R. J. White	Township 3 south, range 2 east	130 00	25 00	155 00
L. G. Mason et al.	Township 2 south, range 4 east	65 00	30 00	95 00
Hugh White	Township 3 south, ranges 2 and 3 west	661 54	35 00	696 54
Total		4,700 62	190 00	4,890 62

NATHAN KIMBALL,  
United States Surveyor-General for Utah.

## D.—Statement of deposits made by individuals for the survey of mines during the fiscal year ending June 30, 1874.

Depositor.	Name of mine.	Office-work.
WEST MOUNTAIN DISTRICT.		
Warren Hussey	Kempton	25
James M. Carter	French Spy	25
Humphrey Rogers et al.	Neptune	25
Lewis Burns	Bemis and Hiatt	25
The Utah Silver and Lead Mining Company	Bullion Lode	25
The Utah Silver and Lead Mining Company	Sturgis	25
Henry M. May	Placer, (May's claim)	25
Horatio Bigelow	Jordon Lode	25
The Utah Silver and Lead Mining Company	Red Warrior	25
STAR DISTRICT.		
A. D. Ferron	Boston	25
LITTLE COTTONWOOD DISTRICT.		
James P. Keate	King of the West	25
H. W. Lawrence	Tartar	25
H. W. Lawrence	Daisy	25
R. C. Chambers	City Rock	25
M. T. Gisborn	Utah	25
Peter Haas	Florinda	25
John McDonald	Jacob Astor	25
John McDonald	Flora Temple	25
James E. Matthews	Stoker	25
		225

D.—Statement of deposits made by individuals for the survey of mines, &c.—Continued.

Depositor.	Name of mine.	Office-work.
<b>BIG COTTONWOOD DISTRICT.</b>		
William L. Ralston <i>et al.</i> .....	Bute Mining Company's Lode .....	\$25
The Sacramento Silver Mining Company .....	Sacramento .....	25
James F. Woodman .....	Teresa .....	25
J. M. Moore <i>et al.</i> .....	Wandering Boy .....	25
Samuel Smith <i>et al.</i> .....	Richmond .....	25
Joseph R. Walker .....	Antelope .....	25
O. F. Rodes .....	Genesee .....	25
Alva A. Jewett <i>et al.</i> .....	Buckeye Junior .....	25
Henry Stratford .....	Dolly Varden .....	25
*J. M. Moore <i>et al.</i> .....	Wandering Boy .....	25
		250
<b>TINTIC DISTRICT.</b>		
S. W. Valentine .....	Roseville Mill-site .....	25
Moses F. Shinn .....	Butcher Boy and Como, consolidated .....	25
David F. Walker .....	Showers Lode .....	25
David F. Walker .....	Silver Spar .....	25
J. A. Lusk .....	Black Dragon .....	25
S. B. Munson .....	Isabella Victoria .....	25
James Powell .....	Lady Aspinwall .....	25
James Powell .....	Wyoming Silver Mining Company's mill-site .....	25
John Leethan .....	Morning Glory .....	25
J. F. Woodman .....	Susan .....	25
		250
<b>WEST TINTIC DISTRICT.</b>		
Mechanics' Mining and Smelting Company of Omaha .....	Midgley .....	25
<b>OPHIR DISTRICT.</b>		
Edward S. Blackwell .....	Miners' Delight .....	25
Gustave Billing .....	Henrietta .....	25
W. S. Godbe .....	Trafalgar .....	25
Warren Hussey <i>et al.</i> .....	Sunnyside .....	25
Isaac S. Watterman .....	Sevier .....	25
Isaac S. Watterman .....	Cooley .....	25
Joseph R. Walker .....	Sacramento .....	25
Alvin W. Moore .....	California Mine and Mill-site .....	25
John Tiernan .....	Wandering Jew, E. and W., consolidated .....	25
Marcus Daly .....	Red Pine .....	25
H. P. Kimball .....	Antelope .....	25
Samuel D. Connor .....	Pocahontas .....	25
H. B. Brady .....	Mountain Gem and Diamond Cross, consol'd .....	25
		325
<b>AMERICAN FORK DISTRICT.</b>		
S. De Wolf .....	Alpine .....	25
<b>LUCIN DISTRICT.</b>		
Thomas W. Bates .....	Black Warrior .....	25
<b>RUSH VALLEY DISTRICT.</b>		
Isaac S. Watterman .....	Metropolitan .....	25
<b>NORTH STAR DISTRICT.</b>		
A. D. Ferron .....	Cortes and Cortes Western Extension .....	25
J. W. Schoomaker .....	Rebel .....	25
J. W. Schoomaker .....	Midas .....	25
		75
<b>ADAMS DISTRICT.</b>		
H. W. Lawrence .....	General Scott .....	25
<b>BEAVER LAKE DISTRICT.</b>		
S. Smeeton .....	Big Mountain Lode .....	25
		1,525

\* Resurvey.

NATHAN KIMBALL,  
United States Surveyor-General for Utah.



E.—Statement of mineral claims surveyed during the fiscal year ending June 30, 1874.

Number of surveys.	Depositor.	Number of mineral district.	Name of mine.	Mining district.	Area.	Name of deputy.	Date of approval.
55	Warren Huseey	1	Kempton	West Mountain	3.05	Thomas Davies	Oct. 1, 1873
56	James M. Carter	1	French Spy	do	6.05	Obed. A. Palmer	Aug. 30, 1873
57	R. P. Lounsbury	1	Black Hawk	do	10.10	Obed. A. Palmer	Aug. 30, 1873
58	R. P. Lounsbury	1	Spanish	do	8.36	Obed. A. Palmer	Feb. 21, 1874
59	Humphrey Rogers et al.	1	Nepune	do	6.86	James E. Freeman	Dec. 5, 1873
60	Lewis Burns	1	Bemis & Hiatt	do	5.51	Obed. A. Palmer	July 29, 1874
61	Utah S. L. M. Co.	1	Bullion	do	3.30	George V. M. Boutelle	July 29, 1874
62	Utah S. L. M. Co.	1	Sturges	do	2.75	George V. M. Boutelle	Apr. 24, 1874
39	A. D. Ferron	3	Boston	Star	8.26	A. D. Ferron	Apr. 24, 1874
43	James P. Keate	4	King of the West.	Little Cottonwood	5.05	Joseph Gorlinaki	Aug. 4, 1873
44	Utah S. M. and S. Co.	4	Darlington	do	2.97	Ferdinand Dickert	Aug. 30, 1873
44	H. W. Lawrence	4	Daisy	do	1.65	Ferdinand Dickert	.....
44	H. W. Lawrence	4	Tartar	do	3.41	Ferdinand Dickert	.....
54	H. W. Lawrence	4	City Rock	do	1.90	Obed. A. Palmer	Dec. 10, 1873
55	R. C. Chambers	4	Utah	do	2.13	M. T. Burgess	Dec. 5, 1873
56	M. T. Gisborn	4	Florida	do	1.97	M. T. Burgess	Feb. 13, 1874
57	Peter Haas	4	Flora Temple	do	2.06	Obed. A. Palmer	Jan. 8, 1874
58	John McDonald	4	Jacob Astor	do	2.54	Obed. A. Palmer	Jan. 8, 1874
59	John McDonald	4	Stoker	do	2.75	Edward B. Wilder	Feb. 21, 1874
60	James E. Matthews	5	Bute	Big Cottonwood	5.51	Edward B. Wilder	Feb. 21, 1874
42	William L. Ralston et al.	5	Sacramento	do	2.75	James E. Freeman	Dec. 2, 1873
43	The Sacramento S. M. Co.	5	Terrassa	do	2.29	James E. Freeman	Dec. 2, 1873
44	James F. Woodman	5	Wandering Boy	do	2.29	Obed. A. Palmer	Oct. 9, 1873
*45	J. M. Moore et al.	5	Antelope	do	1.60	Obed. A. Palmer	Oct. 9, 1873
58	O. F. Rodas	5	Genesee	do	3.82	M. T. Burgess	Apr. 18, 1874
49	A. A. Jewett et al.	5	Buckeye Junior	do	4.59	M. T. Burgess	Dec. 20, 1873
50	Henry Stratford	5	Dolly Yarden	do	9.79	M. T. Burgess	May 5, 1874
45	S. W. Valentine	5	Roseville Mill-site	Tintio	20.66	M. T. Burgess	May 5, 1874
46	Moses F. Shinn	6	Butcher Boy and Como, consolidated	do	5.00	Julien Bausman	Apr. 14, 1874
47	D. F. Walker	6	Silver Spar	do	2.36	Joseph Gorlinaki	Aug. 2, 1873
47	D. F. Walker	6	Shower	do	5.70	Thomas Testwin	Sept. 15, 1873
48	D. F. Walker	6	Black Dragon	do	3.64	Joseph Gorlinaki	Nov. 12, 1873
49	J. A. Lusk	6	Isabella Victoria	do	8.47	Thomas Testwin	Oct. 2, 1873
50	S. B. Munson	6	Wyoming Silver Mining Company Mill-site	do	5.00	Thomas Testwin	Jan. 12, 1874
52	James Powell	6	Morning Glory	do	13.07	Joseph Gorlinaki	Apr. 29, 1874
54	John Leethan	8	Alpine	do	3.91	Thomas Davies	July 31, 1874
45	S. De Wolf	8	Minera, Delight and Min. site	American Fork	5.51	James E. Freeman	Aug. 30, 1873
45	E. S. Blackwell	9	California Min. and Min. site	Ophir	5.57	Joseph Gorlinaki	July 30, 1873
47	A. W. Moore	9	.....	do	.....	J. P. Smith	Feb. 21, 1874

49	W. S. Godbe.....	9	Trafalgar.....	do	1 60	Thomas Davies.....	Nov. 21, 1873
68	John Tierman.....	9	Wandering Jew, E. and W., consolidated.....	do	8 26	Joseph Gorlincki.....	Mar. 25, 1874
69	Marcus Daly.....	9	Red Pine.....	do	1 40	Joseph Gorlincki.....	Apr. 16, 1874
70	H. P. Kimball.....	9	Antelope.....	do	2 74	M. T. Burgess.....	June 9, 1874
71	S. D. Connor.....	9	Pocahontas.....	do	2 63	M. T. Burgess.....	June 9, 1874
72	H. B. Brady.....	9	Mountain Gem and Diamond Cross.....	do	1 91	M. T. Burgess.....	June 19, 1874
43	James Love <i>et al.</i> .....	12	Pinon and Pinion Extension.....	Utah.....	10 30	Ferdinand Dickert.....	Aug. 23, 1874
38	I. S. Waterman.....	13	Metropolitan.....	Rush Valley.....	4 59	Edward B. Wilder.....	Aug. 23, 1874
42	A. D. Ferron.....	15	Cortez and Cortez S. W. Extension, consolidated.....	North Star.....	17 22	A. D. Ferron.....	June 12, 1874
37	H. W. Lawrence.....	18	General Scott.....	Adams.....	6 61	Joseph Gorlincki.....	Sept. 1, 1873
37	Long & McConnell.....	20	Midgley.....	West Tintic.....	13 77	Joseph Gorlincki.....	May 18, 1874
	Total.....				263 34		

\* Resurvey.

NATHAN KIMBALL,  
*United States Surveyor-General for Utah.*

## F.—Statement of plats made during the fiscal year ending June 30, 1874.

Description.	Original.	Department.	Register.	Claimants.	Diagrams of mineral claims.	Total.
Plats of Salt Lake base-line.....	1	1				2
Plats of exterior township lines, &c.....	8	8				16
Plats of townships subdivided.....	65	65	65		6	201
Plats of mining-claims and mill-sites.....	54		54	109		217
Total.....	128	74	119	109	6	436

NATHAN KIMBALL,  
United States Surveyor-General for Utah.

## G.—Estimate of appropriations required for the surveying-service in the Territory of Utah for the fiscal year ending June 30, 1876.

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.....	1,400
For salary of clerk.....	1,400
For salary of transcribing clerk.....	1,200
For office-rent, fuel, stationery, incidentals, and messenger.....	2,500
For continuing the survey of the base, meridian, township, and subdivision lines.....	60,000
	<u>72,800</u>

NATHAN KIMBALL,  
United States Surveyor-General for Utah.

## H.—Statement of amount of salaries paid surveyor-general and clerks for the fiscal year ending June 30, 1874; also of incidental expenses for the same period.

Name.	Occupation.	Time of service.		Rate of salary.	Amount.
		From—	To—		
Courtland C. Clements.....	Surveyor-general..	July 1, 1873	Jan. 18, 1874	\$3,000 00	\$1,649 94
Nathan Kimball.....	Surveyor-general..	Jan. 19, 1874	June 30, 1874	3,000 00	1,350 06
Milton F. Clements.....	Chief clerk.....	July 1, 1873	Jan. 18, 1874	1,800 00	990 00
John A. Mitchell.....	Chief clerk.....	Jan. 19, 1874	June 30, 1874	1,800 00	810 00
Bernard A. M. Froiseth.....	Draughtsman.....	July 1, 1873	June 30, 1874	1,500 00	1,500 00
Wilmot I. Bowen.....	Clerk.....	Sept. 30, 1873	Nov. 21, 1873	1,400 00	239 40
Levi B. Clements.....	Clerk.....	Oct. 1, 1873	Jan. 18, 1874	1,400 00	419 84
John A. Kimball.....	Clerk.....	Jan. 19, 1874	June 30, 1874	1,400 00	630 16
Total.....					<u>7,569 40</u>

## Incidental expenses.

Expended during the first fiscal quarter.....	\$389 95
Expended during the second fiscal quarter.....	268 25
Expended during the third fiscal quarter.....	601 25
Expended during the fourth fiscal quarter.....	564 65
Total.....	<u>1,844 10</u>

NATHAN KIMBALL,  
United States Surveyor-General for Utah.

L.—*Report of surveyor-general of Nevada.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Virginia City, Nev., September 1, 1874.

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, 1874, with accompanying statements relative to the surveying-department:

A.—Statement of account of appropriation for compensation of the United States surveyor-general for Nevada, and the employés in his office, during the fiscal year 1873-74.

B.—Statement of account of appropriation for survey of public lands in Nevada during the fiscal year 1873-74.

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 1873-74.

D.—Statement of contracts entered into by the United States surveyor-general, with the number of miles surveyed, during the fiscal year 1873-74.

E.—List of lands surveyed in the State of Nevada during the fiscal year 1873-74.

F.—Statement of special deposits with the subtreasury of the United States for survey of mineral claims in Nevada during the fiscal year 1873-74.

G.—List of mineral claims surveyed in the State of Nevada during the fiscal year 1873-74.

H.—Statement of plats made in the office of the United States surveyor-general for Nevada during the fiscal year 1873-74.

I.—Statement for the surveying-service in the State of Nevada for the fiscal year ending June 30, 1876.

## REPORT.

## MINING INDUSTRY.

The mines of Nevada are the great source of her wealth; all other industries are subordinate to this one. The toil-worn emigrant of '59, as he goaded on his famished train to the haven of his golden dreams, could little conceive that Nevada, whose synonym to him was desolation and despair, would prove the nation's coffer, and in the short period of fifteen years pour forth upon the world \$200,000,000 in a currency that knows no depreciation.

So much has been written upon the character of the Comstock Lode, that its fame has become world-known, and it is not my purpose to extend my report upon this subject only in generalities. The yield of this remarkable lode from July 1, 1873, to July 1, 1874, was \$20,403,056, an amount equal within a few thousands of the yield the year previous. So encouraging has this exhibit proven, that there is hardly a mining claim located in the Washoe range of mountains that is not actively engaged in the work of development.

The mines in Eastern Nevada have also had a prosperous season during the past year, approximate estimates showing a yield of \$5,000,000.

One of the principal drawbacks that has ever retarded the growth of this part of the State is the intractability of its ores. The great base-metal belt embraces a region of country of over 20,000 square miles in extent, containing within its borders one hundred mining camps or hamlets. The first discoveries of mineral character of any note were made in 1865. On account of the richness of the ores discovered, emigration flocked to the various mining districts, and for a time the report of the rich discoveries bid fair to depopulate the older districts, particularly that of the Comstock.

It was soon discovered that the ores, though rich in silver, were so base in other metals as to preclude all possibility of their being worked to profit, or until such time as modern appliances would overcome their intractability; the camps have in consequence, until the last year, been almost entirely deserted.

The first experiment in the reduction of base ores was made at White Pine, in 1869, by men who were ignorant of the process; and as a natural consequence, from their want of skill, and laboring under the disadvantage of having to transport their ores a long distance, they failed to make it profitable. The business was for a long time virtually abandoned, the crude method adopted for smelting proving only remunerative in exceptional cases, where the extreme richness of the ore, or the local facilities for working, justified the experiment.

Fortunately for the interests of the State, a few districts contained such ores and embraced such advantages as to justify the continuation of the work; every year brought forth some new discoveries in the treatment of these rebellious ores, and a school of smelters has been educated among the furnaces of Nevada, equal to the skilled operatives of the Old World. It has been said that these novices have devised contriv-

ances for the improvement of the furnaces and for facilitating the work of reduction, which have been accepted at Swansea and Freiburg.

As new methods of reducing base ores are discovered, the vast stores of metallic wealth which cover so large a portion of Nevada will be made available, and add greatly to the material wealth of our country.

#### COAL.

Coal has been discovered in Nevada, but the veins have never been explored sufficiently up to this date to warrant any conclusives as to their permanency or extent.

The most important and encouraging discoveries yet made in the State are in a district situated about twenty-five miles from Eureka and fifteen from Hamilton, known as the Pan-Cake Coal-Fields.

As the discovery of a permanent bed of coal would prove of incalculable value to the State, I deem it my province to give considerable space to the subject, knowing that by such discovery an impetus to almost every branch of industry would be created, furnishing a broad and lasting foundation to future wealth and prosperity.

The principal surface-indications of the Pan-Cake coal veins occur on the extreme eastern slope of the spur of hills known as the Pan-Cake Range. The country-rock is sandstone, and varies from the very fine-grained to the coarsest conglomerate. The dense sandstone is admirably adapted to the construction of furnaces, being an excellent fire-stone, and it is used almost exclusively for lining the lead-blast furnaces of Eureka. This sandstone belongs to the true coal formation, as shown conclusively by the numerous fossils, occurring principally in the limestone and slate which form the casing of the coal-layers. The layers already partially examined are five in number, with a uniform dip of 25 to 30 degrees, and from a few feet to several feet in thickness. The coal when free from slate is of excellent quality, and is said to contain under 5 per cent. ash. Iron pyrites occur but in small quantities, and, should the coke be used for lead-smelting, would be no detriment. The pure coal-seam entirely free from slate is seldom over one foot in thickness; three or four such seams generally occur in a layer separated by shale. The seams at present developed are hardly large enough to be worked with profit, but may improve as a greater depth is reached. There are in all probability other and larger layers than those already worked, and should they be discovered, the property will be of great value, particularly as Eureka, only twenty-five miles away, would be an excellent market for coke; the present price of Pennsylvania coke being \$60 per ton, delivered in Eureka.

The main shaft has reached a depth of 317 feet, and is now in three feet of good coal. The work of sinking is being extended another hundred feet, when the first level will be established and a drift run for the purpose of stoping. The second level will be stationed 100 feet below this one, which will allow a sufficient quantity of coal to be taken out for the present fall and winter supply.

The existence of coal has also been known for years in the Como Range of mountains, situated in Lyon County, about fifteen miles from Virginia City, but until quite recently there has been but little work of development.

The Virginia City Coal Company have been prosecuting work for some months on their mine, located in this district, with most encouraging results. They have now a well-defined ledge or stratum of coal over 6 feet in width. The coal taken from this mine is of the best quality, having been tested in several furnaces, is free from clinkers, does not adhere to the grates, and leaves a white ash.

In time coal must be the chief article of fuel in Nevada. Already wood is becoming quite scarce and commands very high prices, being brought many miles to market; in consequence of this only high-grade ores can be worked in our mills; but should our coal-mines prove remunerative and extensive, ores of all grades could be worked, which would open up an inexhaustible mineral-field and afford employment to thousands of men.

#### GRAZING AND AGRICULTURE.

In my former reports I have dwelt at great length upon the advantages and facilities this State offers for stock-raising. It is a well-established fact that the beef and mutton raised in Nevada are superior to those of California. The advantages offered by the railroad for the transportation of stock place our ranges within easy and almost immediate connection with the markets of California. As this branch of industry increases in extent and becomes more remunerative to the carrier, a system of transportation no doubt will be adopted which will enable the stock-raiser to deliver his cattle to the markets of California speedier and in better condition than from any portion of the country upon the western coast. It is estimated by stock-men that cattle or sheep carried by the railroad from the center of this State can be landed at San Francisco in thirty hours. As most of the time occupied in this transit is in the cool atmosphere of the mountains very little loss is occasioned, and it is a well-known fact that the beef and mutton taken from this State, where stall-feeding is unknown, arrive at their destination, four hundred miles distant, ready at once for the market.

As an evidence of the advancement of this branch of industry, Nevada has within a few years exhausted, by sales, the endowment made to her by the National Government, amounting to over 600,000 acres.

The agricultural interest of the State is yet in its infancy, though, during the past year, increased attention has been given to farming and the dairy. It is rather an astonishing fact that Nevada, though capable of raising cereals and fruits equal to those of California, is dependent mostly upon that State for its supply; yet time will overcome this, and in a few years Nevada will not only be noted for her wealth in minerals but also for her agricultural pursuits. Our dry land will be cleared of its sage-brush, water brought upon it, and our soil be made to produce as well as that of other States.

Very respectfully, your obedient servant,

E. S. DAVIS,  
Surveyor-General.

Hon. S. S. BURDETT,  
Commissioner General Land-Office, Washington, D. C.

A.—Statement of account of appropriation for compensation of United States surveyor-general and employés during the year 1873-74.

Dr.		Cr.	
To amount paid quarter ending September 30, 1873	\$2,325 00	By appropriation .....	\$9,300 00
To amount paid quarter ending December 31, 1873	2,325 00		
To amount paid quarter ending March 31, 1874	2,325 00		
To amount paid quarter ending June 30, 1874	2,325 00		
	<u>9,300 00</u>		<u>9,300 00</u>

B.—Statement of account of appropriation for survey of public lands in Nevada during the fiscal year 1873-74.

Dr.		Cr.	
To amount paid quarter ending September 30, 1873	\$5,017 18	By appropriation .....	\$50,000 00
To amount paid quarter ending December 31, 1873	19,488 56	By part of appropriation for survey of military reservation, (act of March 3, 1873)	1,456 91
To amount paid quarter ending March 31, 1874	21,291 47		
To amount paid quarter ending June 30, 1874	5,649 26		
To balance	10 44		
	<u>51,456 91</u>		<u>51,456 91</u>
		By balance .....	10 44

C.—Statement of account of appropriation for rent of office, fuel, books, stationery, including pay of messenger, for the fiscal year 1873-74.

Dr.		Cr.	
To amount paid quarter ending September 30, 1873	\$711 86	By appropriation .....	\$3,700 00
To amount paid quarter ending December 31, 1873	835 82	By bill of Virginia Ice Company charged to appropriation of fiscal year 1872-73, as per instructions	4 79
To amount paid quarter ending March 31, 1874	716 05		
To amount paid quarter ending June 30, 1874	1,440 46		
To balance	60		
	<u>3,704 79</u>		<u>3,704 79</u>
		By balance .....	60

D.—Statement of contracts entered into by the United States surveyor-general for Nevada, with the number of miles surveyed, during the fiscal year 1873-74.

Contract No.	Contract Date.	Name of deputy.	Work embraced in contracts and returned to this office.	Contract amount.	Miles surveyed.				Returned amount.	Date of transmittance.	Remarks.
					Standard.	Township.	Section.	Meanders.			
57	1873, June 14	A. J. Hatch, E. L. Bridges, and D. H. Barker.	Exterior and subdivision lines in townships 11, 12, and 13 north, range 40 east; townships 6, 10, 11, 12, 13, 14, and 15 north, range 41 east; townships 6, 7, 8, 11, 12, 13, and 15 north, range 42 east; townships 8, 9, 10, 11, 12, 13, 14, 15, and 16 north, range 43 east; townships 11, 12, 13, 14, 15, 16, and 17 north, range 44 east; townships 14, 15, 16, 17, and 18 north, range 45 east; Mount Diablo base and meridian.	\$15,000	M. chs. lts. 2 00 00	M. chs. lts. 100 31 76 61 79 11	M. chs. lts. 378 19 36 404 08 47	M. chs. lts. ..... .....	\$5,017 18 4,784 92	1873, Sept. 9 Oct. 13	Closed. Closed.
58	July 10	W. W. Skinner, G. W. Garside, and C. S. Preble.	Eighth standard parallel north, through ranges 30 and 31 east; also exterior and subdivision lines in township 41 north, ranges 30, 31, 32, 33, and 34 east; township 42 north, ranges 31, 32, and 33 east; township 43 north, ranges 31 and 32 east; township 44 north, range 30 east; also eighth standard parallel line north through ranges 26, 27, and 28 east; also the exterior and subdivision lines in townships 40, 41, and 42 north, range 96 east; townships 39, 40, and 41 north, range 27 east; townships 40, 41, and 42 north, range 28 east; township 43 north, range 29 east; also the eighth standard parallel line north through ranges 41, 42, and 43 east; also the exterior and subdivision lines in townships 38 and 39 north, range 43 east; township 41 north, ranges 41, 42, and 43 east; township 28 north, range 46 east; also township 30 north, range 45 east; townships 30 and 31 north, range 37 east; townships 28, 29, 30, and 31 north, range 38 east; townships 29, 30, and 31 north, ranges 39 and 40 east; Mount Diablo base and meridian.	13,000	30 00 00	206 70 95	331 10 73	.....	6,243 98	1873, Nov. 6	Closed.
59	July 9	Geo. W. Garside.	Exterior boundaries of Camp McGarry reservation, together with the meanders of Summit Lake; also the exterior and subdivision lines of township 42 north, ranges 25 and 26 east; and township 41 north, range 26	2,000	*54 60 39	69 45 79	10 33 31	.....	\$1,456 91	1873, Oct. 13	Closed.

60	Sept. 6	E. B. Monroe and A. G. Bateman.	east, as contained within the boundaries of the reservation. Exterior and subdivision lines of townships 6, 7, 8, and 10 north, range 56 east; township 11 north, range 58 east; townships 7, 8, and 9 north, range 57 east; townships 13, 14, and 15 north, range 62 east; townships 11, 12, 13, 14, and 15 north, range 63 east; Mount Diablo base and meridian.	11,000	.....	65 04 25	269 05 29	.....	3,471 29	Dec. 27 1874	Closed.
61	Nov. 18	G. W. Garside and C. S. Preble.	Eighth standard parallel line north, through ranges 23 and 24 east; also exterior and subdivision lines in township 40 north, ranges 23 and 24 east; township 41 north, ranges 22 and 23 east; township 42 north, range 21 east; township 43 north, range 22 east; township 44 north, range 23 east; townships 43 and 45 north, range 30 east; townships 44, 45, and 46 north, range 33 east; townships 43, 44, and 45 north, range 34 east; ninth standard parallel line north, through ranges 33 and 34 east; also the exterior boundaries of townships 43 and 44 north, range 27 east; township 45 north, range 28 east; Mount Diablo base and meridian.	5,300	18 40 00	150 55 67	338 67 98	.....	5,474 34	Mar. 28 1874	Closed.
62	1874. Jan. 16	Eugene B. Monroe.	Exterior and subdivision lines of townships 12 and 13 north, range 60 east; townships 13 and 14 north, range 59 east; townships 13, 14, and 15 north, range 58 east; and the subdivision lines of fractional township 20 north, range 31 east; and township 12 north, range 61 east; Mount Diablo base and meridian.	5,650	.....	100 22 46	444 47 13	.....	5,649 25	.....	.....
				Total.....	52,150	68 40 00	1,092 16 26	3,817 21 82	10 33 31	51,600 75	.....

\* Township and exterior lines of reservation.

† Charged to special appropriation of \$20,000 per act of March 3, 1874.



E.—List of lands surveyed in the State of Nevada during the fiscal year 1873-74.

Township.	Range.	Public land.	Mineral-land.	Swamp-land.	Military reserve.	Unsurveyed-land.	Total.
		<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
11	40	2,860.00				20,160.00	22,040.00
12	40	13,297.36				9,723.08	23,029.44
12	41	2,781.29				20,635.24	23,416.53
13	40	16,415.58				4,569.44	22,985.02
13	41	9,657.08				13,198.20	22,855.28
14	41	17,196.55				5,761.00	22,957.55
15	41	14,967.57				8,046.36	23,013.93
15	42	4,402.54				16,505.16	22,907.70
6	41	23,020.33					23,020.33
6	42	10,118.15				12,794.40	22,912.55
7	42	22,960.72					22,960.72
8	42	14,876.80				6,091.32	22,968.12
8	43	11,302.74				11,652.52	22,955.26
9	43	20,702.66				2,240.00	22,942.66
10	43	22,366.99				599.68	22,966.67
11	42	2,241.92				20,793.76	23,035.68
11	43	23,087.00					23,087.00
11	44	8,794.99				14,245.28	23,040.27
12	42	6,561.74				16,444.84	23,006.58
12	43	23,106.90					23,106.90
12	44	11,805.59				11,206.00	23,011.59
13	42	6,884.80				16,070.56	22,955.36
42	25			*182.04	17,484.10	15,334.51	23,000.65
43	25				258.29	22,722.71	22,980.00
42	26	1,186.69		426.63	13,003.73	8,401.04	23,018.09
41	26	3,433.07		68.64	4,100.78	15,422.15	23,024.64
41	27	5,450.78	1,600.00		682.56	15,291.28	23,024.62
38	43	22,999.64					22,999.64
39	43	22,963.27					22,963.27
41	32	12,015.38				11,042.72	23,058.10
42	32	9,046.31				13,907.16	22,953.47
42	33	9,113.64				13,907.16	23,020.80
43	31	22,985.38					22,985.38
43	32	18,657.37				4,321.72	22,979.09
44	30	5,692.46				17,359.68	22,962.14
39	27	6,308.17				16,647.44	22,955.61
40	26	3,993.60				18,918.76	22,912.36
40	27	9,601.92				13,334.12	22,936.04
40	28	1,849.56				21,047.08	22,896.64
41	28	10,728.61				12,317.44	23,046.05
43	29	5,410.44				17,575.52	22,985.96
13	43	11,500.05				11,538.44	23,038.49
13	44	14,212.82				8,740.44	22,953.26
14	43	12,915.38				9,975.76	22,891.14
14	44	18,297.00		‡548.94		4,106.44	22,952.38
14	45	8,065.37				14,886.00	22,951.37
15	43	5,280.00				17,983.20	23,263.20
15	44	23,565.39		‡334.32			23,799.71
15	45	12,254.78				11,414.32	23,669.10
16	43	1,220.00				21,731.20	23,011.20
16	44	17,605.78				5,411.40	23,017.18
16	45	12,834.05				10,078.80	22,912.85
17	44	7,999.18				15,060.40	23,059.58
17	45	8,348.24				14,729.36	23,077.60
11	63	15,364.00	7,698.34				23,062.34
12	63	9,603.12	13,483.82				23,086.94
13	63	17,269.22	5,772.74				23,041.96
14	63	15,940.38	3,158.52				19,098.90
15	63	4,480.00	11,328.65				15,808.65
28	38	10,372.57					10,372.57
29	38	10,640.64				3,520.00	14,160.64
30	38	2,976.86				12,136.74	15,113.60
30	37	10,962.38				11,919.53	22,881.91
31	37	10,570.36				12,482.08	23,052.44
31	39	3,200.00				10,022.80	13,222.80
31	40	4,317.42				18,714.96	23,032.38
30	39	1,908.08				2,470.72	4,378.80
30	40	4,693.19				18,246.72	22,940.51
29	39	4,777.04				11,040.00	15,817.04
41	41	21,118.42				1,921.92	23,040.34
41	42	23,047.91					23,047.91
41	43	23,062.08					23,062.08
28	46	10,674.79				12,320.00	22,994.79
30	45	4,114.70				10,702.70	14,817.40
6	56	23,008.65					23,008.65
7	56	22,982.95					22,982.95
7	57	15,483.21				7,518.80	23,002.61
9	56	22,990.09					22,990.09

\* Summit Lake.

† Camp McGarry.

‡ Salt-marsh.

E.—List of lands surveyed in the State of Nevada, &c.—Continued.

Township.	Range.	Public land.	Mineral-land.	Swamp-land.	Military reserve.	Unsurveyed land.	Total.
		<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
8	57	19,945.21				3,040.00	22,985.21
9	56	23,001.80					23,001.80
9	57	22,990.50					22,990.50
10	56	12,137.90				10,805.92	22,943.82
13	62	22,998.80					22,998.80
14	62	19,043.47	3,839.38				22,882.85
15	62	21,510.64	1,280.00				22,790.64
11	58	11,520.16				11,518.32	23,038.48
40	23	8,997.48				13,982.68	22,980.16
41	23	2,241.74				20,797.50	23,039.24
41	22	6,895.72				16,167.74	23,063.46
42	21	4,797.24				18,206.72	23,003.96
43	22	1,600.00				21,363.68	22,963.68
44	23	7,818.94				15,134.62	22,953.56
45	30	4,323.42				18,649.16	22,972.58
43	30	6,405.02				16,526.44	22,931.46
44	33	12,169.98				10,774.56	22,944.54
44	34	20,073.52				2,884.80	22,958.32
45	33	16,489.24				6,473.88	22,963.12
45	34	11,714.18				11,213.20	22,927.38
46	33	19,693.78				3,343.80	23,037.58
20	31	14,852.29		8,192.24			23,044.53
12	61	9,604.28					9,604.28
12	60	22,996.69					22,996.69
13	60	22,985.69					22,985.69
13	59	22,969.11					22,969.11
14	59	22,907.78					22,907.78
13	58	8,317.48				14,654.76	22,972.24
14	58	7,015.36	15,959.15				22,974.51
15	58		23,331.02				23,331.02
<b>Total</b>		<b>1,318,210.31</b>	<b>87,451.62</b>	<b>9,652.81</b>	<b>25,529.46</b>	<b>946,536.84</b>	<b>2,387,381.04</b>

JAMES BUTLER,  
Chief Draughtsman.

F.—List of special deposits with the subtreasury of the United States for mineral claims in Nevada during the fiscal year 1873-74.

Survey number.	Name of claim.	Mineral district.	Deputy.	Amount.
93	James McCann	3	Melville Curtis	\$30 00
47	Michael Carroll	4	Thomas J. Read	30 00
46	J. H. Thoma <i>et al.</i>	4	do	30 00
76	R. H. Lloyd <i>et al.</i>	4	do	80 00
75	Great Basin Mining Company	4	do	80 00
74	do	4	do	80 00
73	H. McClintock <i>et al.</i>	4	do	80 00
67	Herman Heyneman	4	do	30 00
77	A. Mau <i>et al.</i>	4	do	30 00
37	Simeon Wenban	3	do	30 00
38	do	3	do	70 00
66	Richmond Mining Company	4	E. E. Fine	30 00
37	Black Warrior	5	D. Van Lenep	30 00
37 A and B	Batavia and Pacific	5	do	30 00
78	James Reilly <i>et al.</i>	4	Thomas J. Read	30 00
73	Cherokee Company	7	A. J. Hatch	30 00
42 and 76	Mary De Neale	7	do	30 00
40	A. J. Garvey <i>et al.</i>	5	D. Van Lenep	30 00
44	J. A. Blossom <i>et al.</i>	5	do	30 00
41	White and Shiloh	5	do	30 00
42	do	5	do	30 00
43	do	5	do	30 00
46	John Thorp <i>et al.</i>	5	do	30 00
37	A. J. Holmes & Co.	3	Alpheus Garrard	30 00
38	do	3	do	30 00
94	Manhattan Silver Mining Company	3	Melville Curtis	30 00
41	Watson Gold and Silver Mining Company	4	Thomas J. Read	30 00
68	J. B. Haggin	4	do	80 00
37	S. A. Raymond	4	do	30 00
37	Yosemite	5	D. Van Lenep	30 00

F.—List of special deposits with the subtreasury of the United States, &amp;c.—Continued.

Survey number.	Name of claim.	Mineral district	Deputy.	Amount.
38	Yosemite	5	D. Van Lennep	\$30 00
37 A and B	New Pass Gold and Silver Mining Company	3	Thomas J. Read	30 00
38	do	3	do	30 00
39	G. W. Lamb and S. Brannan	4	do	30 00
40	do	4	do	30 00
39	Columbus Mining Company	8	Alpheus Garrard	30 00
80	Northwestern Slope	4	Thomas J. Read	30 00
81	do	4	do	30 00
77	Nigger Ravine	7	George W. Garside	75 00
90	Ward Company	7	do	30 00
91	Ward Gold and Silver Mining Company	7	do	30 00
37	Blanco Vale	8	Alpheus Garrard	30 00
38	Sweetapple and Hazeltine	8	do	30 00
45 A and B	J. A. Blossom <i>et al</i>	5	D. Van Lennep	30 00
62	E. Powers <i>et al</i>	4	Thomas J. Read	30 00
78	Hawley Consolidated	7	George W. Garside	30 00
37 A and B	W. Vincent Roberts	3	Thomas J. Read	30 00
38	do	3	do	30 00
39	do	3	do	30 00
40	do	3	do	30 00
37	G. F. Dinsmore	3	Melville Curtis	30 00
70	G. H. Thoma	4	Thomas J. Read	30 00
92	California	7	Don H. Barker	30 00
37	S. Wienban	3	Thomas J. Read	30 00
38	do	3	do	30 00
69	Geddes & Bertrand Milling and Mining Co.	4	do	30 00
70	do	4	do	30 00
71	do	4	do	30 00
72	do	4	do	30 00
79	T. and C. Brooks	7	Don H. Barker	30 00
80	Carson Company	7	do	30 00
37	Leopard Company	3	C. C. Tracy	30 00
37	J. D. Andrews	3	do	30 00
38	do	3	do	30 00
84	Tarto	7	D. H. Barker	75 00
37 A and B	W. S. Lee & Co	3	C. C. Tracy	30 00
82	Goodman Gold and Silver Mining Company	7	D. H. Barker	30 00
83	do	7	do	30 00
63	Kossuth	7	do	30 00
93	Plutus	7	do	30 00
85	Memnon	7	do	30 00
48	W. B. Morse	4	Thomas J. Read	30 00
49	do	4	do	30 00
37	J. W. Gally <i>et al</i>	3	do	30 00
38	do	3	do	30 00
81	Sierra Company	7	D. H. Barker	30 00
87	Enterprise Company	7	I. E. James	30 00
85	A. Jacobson	4	Thomas J. Read	30 00
51 and 84	A. Jacobson <i>et al</i>	4	do	30 00
50 and 83	T. D. Hedger	4	do	30 00
39	J. W. Gally <i>et al</i>	3	do	30 00
95	Pioneer Company	7	Ross E. Browne	30 00
88	South Comstock	7	do	30 00
86	Hartford Company	7	do	30 00
94	Kinney Company	7	do	30 00
96	Francisco Marsano	7	I. E. James	30 00
97	Marsano	7	do	30 00
37	Newark Silver Mining Company	4	Thomas J. Read	30 00
38	do	4	do	30 00
39	Frank Betchman	4	do	30 00
38 A, B, and C	G. R. Williams <i>et al</i>	3	G. Earnst	30 00
37 A and B	Prussian Gold and Silver Mining Company	3	do	30 00
69	Dayton No. 2	7	Ross E. Browne	30 00
90	Mooney & Whitman	7	do	30 00
43, 70 A, and 70 B	Globe Consolidated	7	do	30 00
98	Van Bokelen & Thornburg	7	do	75 00
99	do	7	do	75 00
74	Metropolitan	7	Hugo Hochholzer	30 00
40	J. D. Page <i>et al</i>	3	Thomas J. Read	30 00
73	W. W. McCoy <i>et al</i>	4	do	30 00
92	Dios Señor Company	7	Ross E. Browne	30 00
93	Great Western Company	7	do	75 00
94	Silver Central	7	do	30 00
				3, 445 00

G.—List of mineral claims surveyed in the State of Nevada during the fiscal year 1873-74.

No. of survey.	Name of company.	No. of mineral district.	Location of claims.		Area in acres.	Date of approval.	Date of transmission.	Character of lode.
			Mining district	Township.				
93	James McCann	3	Reese River	Lander	Unsurveyed	June 30, 1873	July 5, 1873	Silver.
46	Michael Carroll	4	White Pine	White Pine	do	July 2, 1873	July 8, 1873	Do.
47	R. H. Thomas et al.	4	do	do	do	July 5, 1873	July 8, 1873	Do.
76	A. H. Boyd et al.	4	do	do	do	July 5, 1873	July 18, 1873	Do.
75	Great Basin M. Co	4	do	do	do	July 5, 1873	July 18, 1873	Do.
74	do	4	do	do	do	July 11, 1873	July 18, 1873	Do.
73	H. McClintock et al.	4	do	do	do	July 13, 1873	July 18, 1873	Do.
67	H. Heyneman	4	Eureka	Eureka	do	July 16, 1873	July 18, 1873	Do.
71	A. Man et al.	4	White Pine	White Pine	do	July 17, 1873	July 30, 1873	Do.
37	S. Wenhaus	3	Cortez	Eureka	do	July 19, 1873	July 30, 1873	Do.
38	do	3	do	do	Township 36 north, range 48 east.	July 21, 1873	July 30, 1873	Do.
66	Richmond M. Company	4	Eureka	do	Unsurveyed	July 24, 1873	July 30, 1873	Do.
37	Black Warrior	5	Mid Lake	Washoe	do	July 25, 1873	July 30, 1873	Do.
78	Batavia and Pacific	5	Relief	Humboldt	do	July 25, 1873	July 30, 1873	Do.
78	James Kealley et al.	7	White Pine	White Pine	do	July 25, 1873	July 30, 1873	Do.
73	Cherokee Company	7	Devil's Gate	Lyon	do	July 25, 1873	July 30, 1873	Do.
42 and 76	Mary De Neale	5	Gold Hill	Storey	do	July 25, 1873	Sept. 2, 1873	Do.
40	A. J. Garvey et al.	5	Battle Mount	Lander	do	Aug. 25, 1873	Sept. 2, 1873	Do.
44	J. A. Blossom et al.	5	do	do	do	Aug. 25, 1873	Nov. 1, 1873	Do.
41	White & Shiloh	5	do	do	do	Aug. 27, 1873	Sept. 2, 1873	Do.
42	do	5	do	do	do	Sept. 8, 1873	Sept. 10, 1873	Do.
43	do	5	do	do	do	Sept. 17, 1873	Oct. 21, 1873	Do.
46	John Thorp et al.	5	do	do	do	Sept. 18, 1873	Oct. 21, 1873	Do.
37	A. J. Holmes & Co.	5	do	do	do	Sept. 19, 1873	Oct. 21, 1873	Do.
38	do	5	do	do	do	Sept. 17, 1873	Oct. 21, 1873	Do.
38	do	8	Columbus	Esmeralda	do	Sept. 20, 1873	Sept. 23, 1873	Do.
94	Manhattan S. M. Company	3	Reese River	Lander	do	Oct. 2, 1873	Oct. 21, 1873	Do.
41	Watson G. and S. M. Co.	3	Robinson	White Pine	do	Oct. 9, 1873	Oct. 21, 1873	Do.
68	J. B. Haggin	4	Eureka	Eureka	do	Oct. 9, 1873	Oct. 21, 1873	Do.
37	S. A. Raymond	4	San Francisco	White Pine	Township 17 north, range 63 east.	Oct. 7, 1873	Oct. 21, 1873	Do.
37	Yosemite	5	Sierra	Humboldt	Unsurveyed	15.84 Oct. 6, 1873	Oct. 21, 1873	Do.
38	do	5	do	do	do	16.52 Oct. 6, 1873	Oct. 21, 1873	Do.
37 A & B.	New Pass G. and S. M. Co.	3	New Pass	Lander	do	8.67 Oct. 13, 1873	Oct. 21, 1873	Do.
38	do	3	do	do	do	8.67 Oct. 13, 1873	Oct. 21, 1873	Do.
39	G. W. Lamb et al.	4	Robinson	White Pine	do	9.64 Oct. 15, 1873	Nov. 21, 1873	Do.
40	do	4	do	do	do	9.64 Oct. 15, 1873	Nov. 21, 1873	Do.
39	Columbus M. and M. Co	8	Columbus	do	do	6.78 Oct. 18, 1873	Nov. 1, 1873	Do.
80	Northwestern Slope.	4	White Pine	White Pine	do	6.43 Oct. 27, 1873	Nov. 1, 1873	Do.
81	do	4	do	do	do	11.12 Oct. 29, 1873	Nov. 25, 1873	Do.
77	Nigger Ravine.	4	Devil's Gate	Lyon	Township 16 north, range 21 east.	7.10 Oct. 29, 1873	Nov. 1, 1873	Do.
90	Ward Company	7	Virginia	Storey	Township 17 north, range 31 east.	7.10 Oct. 29, 1873	Nov. 1, 1873	Do.

G.—List of mineral claims surveyed in the State of Nevada during the fiscal year 1873-74.

No. of survey.	Name of company.	No. of mineral district.	Location of claims.			Area in acres.	Date of approval.	Date of transmission.	Character of lode.
			Mining district.	County.	Township.				
91	Ward G. and S. M. Co.	7	Virginia	Storey	Township 17 north, range 21 east.	16.51	Oct. 30, 1873	Nov. 1, 1873	Silver.
97	Bianco Vale	8	Seal's Marsh	Esmeralda	Unsurveyed	149.00	Nov. 3, 1873	Nov. 5, 1873	Borax.
38	Sweetapple & Hazeltine.	8	do	do	do	160.46	Nov. 4, 1873	Nov. 5, 1873	do.
65 A & B	J. A. Blossom et al.	4	Battle Mount	Lander	do	11.88	Nov. 8, 1873	Nov. 12, 1873	Silver.
62	F. Powers et al.	5	White Pine	White Pine	do	5.34	Nov. 5, 1873	Nov. 15, 1873	do.
76	Harvey Consolidated.	4	Devil's Gate	Lyon	Township 16 north, range 21 east.	13.95	Nov. 13, 1873	Feb. 7, 1874	do.
37 A & B	W. Vincent Roberts	3	Troy	Nye	Unsurveyed	13.96	Nov. 14, 1873	Nov. 15, 1873	do.
36	do	3	do	do	do	6.89	Nov. 17, 1873	Nov. 21, 1873	do.
39	do	3	do	do	do	6.89	Nov. 17, 1873	Nov. 21, 1873	do.
40	do	3	Washington	do	do	6.89	Nov. 18, 1873	Nov. 21, 1873	do.
37	G. P. Dinmore	3	White Pine	White Pine	do	14.58	Nov. 19, 1873	Nov. 21, 1873	do.
79	G. E. Thomas	4	White Pine	do	do	10.92	Apr. 9, 1874	Nov. 21, 1873	do.
92	California Company	4	Virginia	Storey	Township 16 north, range 21 east.	13.77	Dec. 3, 1873	Dec. 4, 1873	do.
37	S. Wienban	3	Cortez	Eureka	Township 27 north, range 48 east.	13.77	Dec. 8, 1873	Dec. 4, 1873	do.
38	do	3	do	do	do	2.75	Dec. 8, 1873	Dec. 15, 1873	do.
69	Geddes & Bertrand M. & M. Co.	4	Secret Canon	do	Unsurveyed	2.75	Dec. 8, 1873	Dec. 15, 1873	do.
70	do	4	do	do	do	4.59	Dec. 8, 1873	Dec. 15, 1873	do.
71	do	4	do	do	do	3.67	Dec. 9, 1873	Dec. 15, 1873	do.
72	do	4	do	do	do	3.67	Dec. 9, 1873	Dec. 15, 1873	do.
73	do	4	do	do	do	17.21	Jan. 17, 1874	Feb. 7, 1874	do.
80	H. C. Brooks	7	Devil's Gate	Lyon	Township 16 north, range 21 east.	20.66	Jan. 17, 1874	Jan. 27, 1874	do.
90	Carson Company	3	do	do	do	20.63	Jan. 21, 1874	Feb. 7, 1874	do.
37	Leopard Mining Company	3	Cornucopia	Eiko	Unsurveyed	4.00	Jan. 21, 1874	Feb. 7, 1874	do.
37	J. D. Andrews	3	Lucin	do	do	3.19	Jan. 20, 1874	Feb. 7, 1874	do.
38	do	3	do	do	do	3.19	Jan. 20, 1874	Feb. 7, 1874	do.
84	Tarto	3	Gold Hill	Storey	Township 16 north, range 21 east.	0.72	Jan. 25, 1874	Jan. 28, 1874	do.
37 A & B	W. S. Lee Co	4	Railroad	Eiko	Unsurveyed	10.35	Jan. 20, 1874	Jan. 28, 1874	Silver.
82	Goodman G. and S. M. Co	4	Devil's Gate	Lyon	Township 16 north, range 21 east.	20.66	Jan. 27, 1874	Feb. 7, 1874	do.
83	do	7	do	do	do	20.66	Jan. 28, 1874	Feb. 7, 1874	do.
63	Koesuth.	7	do	do	do	37.15	Jan. 28, 1874	Feb. 19, 1874	do.
83	do	7	do	do	do	20.33	Jan. 30, 1874	Feb. 19, 1874	do.
85	Plutus	7	Virginia	Storey	Township 17 north, range 21 east.	20.33	Jan. 30, 1874	Feb. 19, 1874	do.
93	Mennon	7	Devil's Gate	Lyon	Township 16 north, range 21 east.	20.21	Feb. 6, 1874	Mar. 11, 1874	do.
87	W. B. Morse	4	White Pine	White Pine	Unsurveyed	6.43	Mar. 11, 1874	Mar. 11, 1874	do.
48	do	4	do	do	do	5.51	Mar. 9, 1874	Mar. 11, 1874	do.
49	do	4	do	do	do	10.33	Mar. 11, 1874	Mar. 11, 1874	do.
37	J. W. Gally et al.	3	Tybo	Nye	do	3.67	Mar. 10, 1874	Mar. 21, 1874	do.
38	do	3	do	do	do	3.67	Mar. 10, 1874	Mar. 21, 1874	do.
81	Sierra Company	7	Gold Hill	Storey	Township 16 north, range 21 east.	3.98	Mar. 17, 1874	Mar. 21, 1874	do.
87	Enterprise Company	7	do	do	do	13.77	Mar. 25, 1874	Mar. 29, 1874	do.
85	A. Jacobson.	7	White Pine	White Pine	do	6.89	Mar. 24, 1874	Mar. 29, 1874	do.
51 and 84	A. Jacobson et al.	4	do	do	Unsurveyed	6.89	Mar. 23, 1874	Mar. 29, 1874	do.

50 and 83.	J. D. Hedger	4	do	do	do	5 51	Mar 24 1874	Mar 29 1874	Do.
82	J. W. Gally <i>et al.</i>	3	Tybo	Nye	do	7 50	Mar 23 1874	Mar 29 1874	Do.
85	Pomona Company	7	Virginia	Storey	Township 17 north, range 21 east.	20 66	Apr 12 1874	Apr 27 1874	Do.
86	South Comstock	7	Devil's Gate	Storey and Lyon	Township 16 north, range 21 east.	13 03	Apr 7 1874	Apr 27 1874	Do.
87	Hartford Company	7	Gold Hill	Storey	do	13 24	Apr 6 1874	Apr 27 1874	Do.
84	Kinney Company	7	Virginia	do	Township 17 north, range 21 east.	17 87	Apr 6 1874	Apr 27 1874	Do.
86	Francisco Marzano	7	do	do	do	27 21	Apr 17 1874	Apr 18 1874	Do.
87	do	7	Newark	White Pine	Unsurveyed	27 34	Apr 16 1874	Apr 16 1874	Do.
37	Newark G. and S. M. Co.	4	do	do	do	8 01	May 6 1874	May 11 1874	Do.
38	do	4	do	do	do	6 43	May 11 1874	May 11 1874	Do.
39	Frank Reichman	4	do	do	do	6 54	May 9 1874	May 11 1874	Do.
35A, B & C	G. K. Williams <i>et al.</i>	3	Concordia	Nye	do	13 10	May 12 1874	May 23 1874	Do.
37 A & B.	Prussian Company	3	do	do	do	9 39	May 12 1874	May 23 1874	Do.
89	Dayton No. 2	7	Devil's Gate	Lyon	Township 16 north, range 21 east.	7 35	May 16 1874	May 21 1874	Do.
90	McCoy & Whitman	7	do	do	do	6 20	May 14 1874	May 21 1874	Do.
43, & 70 A & 70 B.	Globe Consolidated	7	Gold Hill	Storey	Township 16 north, ranges 20 and 21 east.	11 08	July 25 1874	.....	Do.
98	Van Bokelen <i>et al.</i>	7	Virginia	do	Township 17 north, range 21 east.	18 37	July 20 1874	May 22 1874	Do.
99	do	7	do	do	do	18 37	July 20 1874	May 22 1874	Do.
74	Metropolitan	7	Devil's Gate	Lyon	Township 16 north, range 21 east.	9 83	July 5 1873	.....	Do.
40	J. D. Page	3	Tybo	Nye	Unsurveyed	5 09	June 15 1874	June 18 1874	Do.
73	W. W. McCoy	4	Eureka	Eureka	do	9 18	June 15 1874	June 18 1874	Do.
82	Dios Seflor Company	7	Devil's Gate	Lyon	Township 16 north, range 21 east.	4 80	June 17 1874	June 18 1874	Do.
83	Great Western Company	7	do	do	do	4 59	June 18 1874	June 18 1874	Do.
84	Silver Central	7	do	do	do	16 55	June 19 1874	.....	Do.
						1, 433, 06½			

JAMES BUTLER, Chief Draughtsman.

H.—Statement of plats made in the office of the United States surveyor-general for Nevada during the fiscal year 1873-'74.

Description.	Original.	Department.	Register.	Sketches of mineral claims.	Total.
Exterior plats of township lines.....	15	14	.....	.....	29
Plats of townships, subdivided.....	106	106	106	.....	318
Plat of Camp McGarry, exterior.....	1	1	.....	.....	2
Plat of subdivisions, Camp McGarry.....	5	5	5	.....	15
Tracing of township 33 north, range 53 east, for Army department.....	.....	.....	.....	.....	1
Walker River, Pyramid Lake, and Muddy River Indian reservations.....	.....	.....	4	.....	4
Plats of mineral claims.....	106	119	105	.....	330
Sketches of mineral claims.....	.....	.....	.....	97	97
Tracings of Nevada, west boundary.....	.....	.....	.....	.....	1
Tracing of 4th standard, parallel north.....	.....	1	.....	.....	1
Maps of State of Nevada, tracings.....	.....	2	.....	.....	2
Maps of mining districts.....	9	31	.....	.....	40
	.....	.....	.....	.....	840

JAMES BUTLER,  
Chief Draughtsman.

I.—Statement for the surveying service in the district of Nevada for the fiscal year ending June 30, 1876.

For surveying three thousand miles of subdivision lines, two thousand miles of township lines, and five hundred miles of standard lines.....	\$61,500
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
<b>Total.....</b>	<b>78,200</b>

### M.—Report of surveyor-general of Arizona Territory.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Tucson, Ariz., August 13, 1874.

SIR: In accordance with instructions of March 31 last, I have the honor to submit herewith, in duplicate, my annual report of surveying operations within this district for the fiscal year ending June 30, 1874. Statistical tables and documents, in duplicate, accompany this report, as follows, viz:

A.—Statement of contracts entered into with deputy surveyors for surveys of public lands.

B.—Account of appropriations for the survey of public lands.

C.—Account of appropriations for salary of the surveyor-general, for clerks in his office and for incidental expenses.

D.—Statement of plats made.

E.—Statement of number of miles surveyed.

F.—Statement of surveys of mines and mill-sites.

G.—List of lands surveyed.

H.—Estimates for the surveying service in Arizona for the year ending June 30, 1876.

#### GENERAL REVIEW.

The appropriation for public land-surveys for the year ending July 30, 1874, was expended by me in equal portions in the southeast, the southwest, the northwest, and the central portions of the Territory. In the southeast I have extended the third standard south, to the San Pedro Valley, and thence surveyed townships for the accommodation of settlers in that valley. In the southwest I have extended the first standard south, over an almost impassable desert, to the Colorado River, and thence surrounded the town of Yuma with surveyed townships. In the northwest there has been an extension of the fourth and sixth standards north, and exteriors therefrom for the accommo-

dation of miners, and also subdivision of the township covering the town of Cerbat, situated in one of the richest mineral regions west of the Rocky Mountains. In the central part of the Territory I have caused to be extended the third standard north, to the Verde River, and surveyed townships in that vicinity.

In projecting most of the above-mentioned standards, the deputies engaged deserve the highest praise for successfully carrying lines over deserts and mountains that most men would have reported impassable.

#### PROSPECTIVE SURVEYS.

I propose, with the appropriation for the present fiscal year, to extend a standard through the southeastern part of the Territory, and to survey lands in Pueblo Viejo Valley, on the Upper Gila River. I shall expend a proportionate amount of the limited appropriation to extend surveys over grazing-lands in the southern part of the Territory for the accommodation of the rapidly-increasing number of sheep and cattle raisers. I shall also extend a standard through the northeastern portion of the Territory, and survey lands on the Little Colorado River, for the settlers there located.

#### PRIVATE LAND-CLAIMS.

There is urgent necessity for distinctly defining what land does, and what does not, come under this head. The proviso to the act of July 15, 1870, making appropriation for survey of public lands in Arizona, makes it the duty of this office, under proper instructions, to examine into the origin, validity, &c., of all land-claims under the laws of Spain and Mexico. Hon. Willis Drummond did not regard this a wise provision, and, as in 1872, I now hold a like opinion of it. Beyond executing the surveys of such claims, I am firmly of the opinion that all matters pertaining to the adjudication of titles to such lands should be vested in some other office or tribunal. Therefore I trust that the bill which passed the Senate May 1, 1874, and is now pending before the Committee on Private Land-Claims, in the House of Representatives, may become a law. Under that bill I believe the interests of rightful claimants and the public at large would be as safely and more rapidly promoted than under present legislation.

#### INDIAN RESERVATIONS.

In 1872 I referred to the necessity for a more clear definition of the boundaries of Indian reservations, and what was then said will apply with equal force now. For want of such clear definition of the White Mountain reservation, miners went upon the eastern part of it, and expended many thousands of dollars in developing, surveying, and paying Government for mining-claims, before they had any knowledge they were upon reserved lands. The history of the efforts made to have that reserve so reduced as to exclude the improved mining property from its limits is of itself a sufficient argument for better definition of the boundaries of all Indian reserves. Immediately at the time a reserve is established, unmistakable monuments should be planted at distances of not more than two miles along its entire boundary, and a compulsory law to this effect should be made by Congress.

#### SURVEY AND SALE OF TIMBER-LANDS.

The timber-lands of the great interior of the United States are comparatively limited, and are yearly becoming of more importance. That they should be so disposed of as to best promote the public interests none will deny; and whatever is most advantageous to the generality of private interests can but tend to this end. In my reports for 1872 and 1873 I urged an appropriation of at least \$10,000 annually for the survey of timber-lands to be at once placed in open market, and gave what I regarded unanswerable reasons therefor. In 1872 I said:

"Settlers must and will have timber, and sound public policy, whether viewed in the light of economy to the Government, or placing it within the power of settlers to properly acquire what necessity demands for them, seems to require that the lines of public surveys be extended over the timber-tracts at the earliest practicable time."

In 1873 I used this language:

"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."

#### DEVELOPMENTS OF THE YEAR.

With few exceptions the past year has been one of peace with the Apaches, and the beneficial influence thereof is exhibited in several ways. For this peace we are espe-



cially indebted to the energy and wisdom of Gen. George Crook, commanding the Military Department of Arizona. This condition has induced the introduction of many thousands of cattle for current use of citizens, Army, and Indians on reservations, and also blooded animals for breeding and permanent stock-raising; over 30,000 sheep have been brought here for like purposes, and now we are exporting much fine wool, and several blooded horses have lately been imported here at some risk and much expense, with a view to raising horses for home and other markets. Agricultural settlements have been extended. Prospecting for mines of the precious metals has been largely increased and with most cheerful success. Mountains of almost pure copper have been developed in widely separated districts in the Territory; and recent developments of silver and gold bearing ledges exceed in richness and extent the belief and anticipations of our oldest and most sanguine residents. Each year shows more clearly that this Territory possesses diversified interests to an unusual degree and such as cannot fail to call to and hold with us a large population; to create and attract capital, insure us railways, and business for them when built, and, above all, make our population contented.

As will be seen by reference, I have not increased my estimate for the survey of public lands over that for the present fiscal year. I am anxious to avoid estimating for a sum for this purpose to a greater extent than demanded by the progress of settlement of the Territory, but deem it of the utmost importance to promptly accommodate settlers at the time of settlement, so that they can locate their improvements with reference to the lines of public surveys.

I have asked for \$4,500 for salaries for clerks in this office for the fiscal year ending June 30, 1876, which is an increase of \$500 over the amount asked and appropriated for the past and present fiscal years. Each year, except the one just passed, I have had an unexpended balance of this appropriation, for the reason that I could not keep clerks steadily on the salaries allowed. Since the regulation of June 17, 1872, authorizing me to pay my chief clerk \$2,500 per annum, I have been able to constantly keep a thoroughly competent man in this position, but not a draughtsman at \$1,500 per annum. The cost of living here is at least 25 per cent. higher than in the average of surveying-districts, and men with qualifications for draughtsmen command more than \$1,500 per annum in stores and local offices, just as soon as they are found to be trustworthy as well as competent. Within the past month a change of draughtsmen has occurred in this office, because of inadequacy of salary, and will again according to the circumstances above stated. I therefore ask the additional sum with a view, if possible, to get a regulation authorizing the draughtsman in this office a salary of \$2,000 per annum. This increase is just, and necessary to the efficiency of the office. As the salary now stands, the office is liable at any time, however pressing the work in that department, to be without a competent draughtsman. The general map which should accompany this report is not yet completed, because of the loss of time in procuring a draughtsman to take the place of the one resigned for inadequacy of salary.

Very respectfully, your obedient servant,

JOHN WASSON,  
*Surveyor-General, Arizona.*

Hon. S. S. BURDETT,  
*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.	Amount returned.	Amount audited.
Theodore F. White .....	May 13, 1873	Third standard south from corner to township 15 south, ranges 14 and 15 east, across the valley of the San Pedro River to corner to township 15 south, ranges 30 and 21 east. Exterior lines of township 13 south, range 16 east; township 15 south, range 30 east; township 16 south, ranges 17, 18, 19, and 20 east; township 17 south, ranges 19 and 20 east; and township 18 south, range 21 east. Subdivision-lines of township 13 south, ranges 14 and 16 east; township 15 south, range 30 east; township 16 south, range 30 east; and township 17 south, ranges 19 and 20 east. First standard south, from the corner to township 5 south, ranges 7 and 8 west, westward to junction with the Colorado River. Second standard south, from corner to township 10 south, ranges 21 and 22 west, to junction with the Colorado River. Exterior lines of townships 6 and 7 south, range 21 west; township 8 south, ranges 22, 23, and 24 west; township 9 south, ranges 22, 23, 24, and 25 west; and township 10 south, ranges 22, 23, and 24 west. Subdivision and meander lines of township 8 south, ranges 23 and 24 west; township 9 south, ranges 24 and 25 west; and township 10 south, ranges 24 and 25 west. Fourth standard north, being south boundary of township 17 north, ranges 13 and 14 west. Sixth standard north, being south boundary of township 25 north, ranges 15, 16, 17, 18, 19, and 20 west. Exterior lines of townships 17, 18, 19, and 20 north, ranges 13 and 14 west; townships 22, 23, and 24 north, range 19 west; township 24 north, range 18 west; township 25 north, ranges 15, 16, 17, 18, 19, and 20 west; township 26 north, ranges 16, 17, 18, and 19 west; and township 27 north, range 17 west. Subdivision-lines of township 22 north, range 17 west. Third standard north, being south boundary of township 13 north, range 1 west, and 13 north, ranges 1, 2, 3, 4, and 5 east. Exterior lines of township 11 north, ranges 2 and 3 east; township 12 north, ranges 2 and 3 east; and township 13 north, range 5 east. Subdivision-lines of township 11 north, ranges 2 and 3 east; township 12 north, ranges 2 and 3 east; and township 13 north, range 5 east. Subdivision and meander lines of township 8 south, range 22 west; and subdivision-lines of township 9 south, ranges 22 and 23 west; and township 10 south, range 23 west.	Gila and Salt River.	\$5,000 00	\$5,045 94	\$5,000 00
Theodore F. White .....	July 7, 1873		do .....	5,000 00	4,901 53	4,901 52
C. Burton Foster .....	Aug. 5, 1873		do .....	5,000 00	4,917 00	.....
C. Burton Foster .....	Aug. 5, 1873		do .....	2,500 00	2,587 21	.....
Theodore F. White .....	Aug. 25, 1873		do .....	2,500 00	2,480 45	2,480 45

B.—Statement of account of appropriations for the survey of public lands in Arizona for the fiscal year ending June 30, 1874.

Date of account.	In favor of—	Date of contract.	Amount.	Date.	On account of—	Amount.
Jan. 5, 1874	Theodore F. White	May 13, 1873	\$5,000 00	Mar. 3, 1873	Appropriation of this date .....	\$20,000 00
Apr. 25, 1874	Theodore F. White	July 7, 1873	4,901 52			
May 19, 1874	Theodore F. White	Aug. 25, 1873	2,480 45			
Aug. 8, 1874	C. Burton Foster	Aug. 5, 1873	4,917 00			
Aug. 10, 1874	C. Burton Foster	Aug. 5, 1873	2,587 21			
	Balance of appropriation applicable to contracts made previous to June 30, 1874.....		113 82			
			20,000 00			20,000 00
				June 30, 1874	Balance of appropriation applicable to contracts made previous to June 30, 1874.....	113 82

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, 1874.

Date.	Account.	Amount.	Date.	Appropriation.	Amount.
June 30, 1874	To amount paid John Wasson, for services as surveyor-general, Arizona, for year ending this date .....	\$3,000 00	Mar. 3, 1873	By appropriation for compensation of surveyor-general for Arizona, made this date .....	\$3,000 00
June 30, 1874	To amount paid clerk and draughtsman for year ending this date .....	4,000 00	Mar. 3, 1873	By appropriation for compensation of clerks, made this date .....	4,000 00
June 30, 1874	To amount of incidental expenses paid during year ending this date...	1,988 44	Mar. 3, 1873	By appropriation for incidental expenses, made this date .....	2,500 00
June 30, 1874	Balance of appropriation for incidental expenses.	511 56			
		9,500 00			9,500 00

D.—Statement of plats made in the office of the surveyor-general for Arizona for the fiscal year ending June 30, 1874.

Description.	Original.	Department.	Register.	Claimants.	Total.
Plats of standard and township lines .....	6	6			12
Plats of section-lines .....	22	22	22		66
Plats of mining and mill-site claims .....	25		25	50	100
General map .....	1	1			2
Total .....	54	29	47	50	180

E.—Statement of the number of miles surveyed in Arizona for the fiscal year ending June 30, 1874.

Name of deputy surveyor.	Date of contract.	Base.	Meridian.	Standard.	Township.	Section.	Traverse.	Meander.
		<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>
Theodore F. White .....	May 13, 1873	.....	.....	36 40 00	118 67 00	322 19 9	.....	.....
Theodore F. White .....	July 7, 1873	.....	.....	104 35 90	108 74 38	175 19 99	.....	.....
C. Burton Foster .....	Aug. 5, 1873	.....	.....	48 00 00	299 61 15	59 78 60	.....	.....
C. Burton Foster .....	Aug. 5, 1873	.....	.....	33 00 00	29 76 86	173 21 49	.....	.....
Theodore F. White .....	Aug. 25, 1873	.....	.....	.....	.....	237 14 68	.....	.....
Total .....	.....	.....	.....	212 15 90	557 39 39	967 73 85	.....	.....
Surveyed previous to June 30, 1873 .....	.....	42 00 00	46 00 00	344 22 00	1,559 46 16	4,814 15 67	11 78 00	38 00 20
Total surveyed to June 30, 1874 .....	.....	42 00 00	46 00 00	556 37 90	2,117 5 55	5,792 9 52	11 75 00	34 40 36
								72 40 56

F.—Statement of surveys of mines and mill-sites in Arizona for the fiscal year ending June 30, 1874.

Date of survey.	Designation of claim.	Location.	Area.	Description.	Amount deposited for office-work.
May 24, 1873	Discovery Location on the Benton Lode mining-claim.	Yavapai County.	<i>Acres.</i> 7.34	Lode: silver.....	\$40 00
July 9, 1873	Montezuma mining-claim.....	Pima County...	18.36	Lode: copper and silver.	40 00
July 10, 1873	Montezuma mill-site claim.....	do	5.00	Non-mineral.....	40 00
July 9, 1873	Margarita mining-claim.....	do	13.77	Lode: silver, lead, and copper.	40 00
July 10, 1873	Margarita mill-site claim.....	do	5.00	Non-mineral.....	40 00
Sept. 15, 1873	El Cautivo mining-claim.....	do	10.33	Lode: copper, lead, and silver.	40 00
Sept. 19, 1873	Guaajolote mining-claim.....	do	10.33	Lode: lead, silver, and iron.	40 00
Sept. 20, 1873	Belmont mining-claim.....	do	41.31	Lode: argentiferous galena.	40 00
Sept. 22, 1873	Belmont mill-site claim.....	do	5.00	Non-mineral.....	40 00
Sept. 23, 1873	San Antonio mining-claim.....	do	13.77	Lode: copper, silver, lead, and iron.	40 00
Sept. 24, 1873	San Antonio mill-site claim.....	do	5.00	Non-mineral.....	40 00
Nov. 3-7, 1873	Hibernian mining-claim.....	Mohave County.	20.63	Lode: silver.....	40 00
Dec. 15, 1873	French mining-claim.....	Pima County	10.33	Lode: silver.....	40 00
Dec. 16, 1873	French mill-site claim.....	do	5.00	Non-mineral.....	40 00
Dec. 22, 1873	Santa Tomas mining-claim.....	do	10.33	Lode: lead, copper, and silver.	40 00
Dec. 23, 1873	Santa Tomas mill-site claim.....	do	5.00	Non-mineral.....	40 00
Apr. 27, 1874	Picacho mining-claim.....	do	27.55	Lode: silver and copper.	40 00
Apr. 28, 1874	Picacho mill-site claim.....	do	5.00	Non-mineral.....	40 00
Apr. 28, 1874	Cokespa mining-claim.....	do	24.25	Lode: silver and copper.	40 00
Apr. 28, 1874	Cokespa mill-site claim.....	do	5.00	Non-mineral.....	40 00
Apr. 29, 1874	Cobreza mining-claim.....	do	20.66	Lode: silver and copper.	40 00
May 19, 1874	Empire mining-claim.....	do	20.66	Lode: argentiferous galena.	40 00
May 19, 1874	Empire mill-site claim.....	do	5.00	Non-mineral.....	40 00
May 29, 1874	Fernandez mining-claim.....	do	20.66	Lode: silver.....	40 00
May 29, 1874	Fernandez mill-site claim.....	do	5.00	Non-mineral.....	40 00

G.—List of lands surveyed in Arizona for the fiscal year ending June 30, 1874.

Description.	Meridian.	Public land.	River-land.	Unsurveyed land.
		<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Township 13 south, range 14 east.....	Gila and Salt River meridian.	21, 283.29		1, 760.00
Township 13 south, range 16 east.....	do	8, 324.72		14, 720.00
Township 15 south, range 20 east.....	do	23, 035.98		
Township 16 south, range 20 east.....	do	22, 953.39		
Township 17 south, range 19 east.....	do	22, 940.42		
Township 17 south, range 20 east.....	do	22, 963.67		
Township 8 south, range 22 west.....	do	20, 820.89	1, 107.10	
Township 8 south, range 23 west.....	do	11, 821.94	369.17	
Township 8 south, range 24 west.....	do	5, 583.20		
Township 9 south, range 22 west.....	do	23, 038.32		
Township 9 south, range 23 west.....	do	23, 041.81		
Township 9 south, range 24 west.....	do	19, 978.04		
Township 9 south, range 25 west.....	do	877.71		
Township 10 south, range 23 west.....	do	23, 031.36		
Township 10 south, range 24 west.....	do	23, 048.59		
Township 10 south, range 25 west.....	do	6, 534.72		
Township 11 north, range 2 east.....	do	11, 490.39		11, 510.00
Township 11 north, range 3 east.....	do	3, 966.82		19, 033.00
Township 12 north, range 2 east.....	do	11, 838.96		11, 161.00
Township 12 north, range 3 east.....	do	19, 287.58		3, 713.00
Township 13 north, range 5 east.....	do	13, 785.74		9, 215.00
Township 22 north, range 17 west.....	do	23, 009.00		
Total.....		362, 656.54	1, 476.27	71, 112.00
Amount previously returned.....		1, 803, 027.96		309, 806.60
Grand total.....		2, 165, 684.50	1, 476.27	380, 918.60

H.—*Estimates for the surveying-service in the district of Arizona for the fiscal year ending June 30, 1876.*

For continuing the survey of meridian, standard, township, and section lines.....	\$30,000
For salary of surveyor-general.....	3,000
For salary of clerks in office.....	4,500
For rent, fuel, light, and other incidental expenses.....	2,500
Total.....	40,000

N.—*Report of the surveyor-general of California.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*San Francisco, Cal., September 12, 1874.*

SIR: In compliance with your instructions-letter E, March 31, last, I have the honor to submit in duplicate the annual report of this office in relation to the surveying-service during the fiscal year ending June 30, 1874; I also forward the tabular statements, as follows:

A.—Statement of contracts entered into by the surveyor-general for California with deputy surveyors for surveys of public lands during the fiscal year 1873 and 1874.

B.—Statement of contracts entered into by the United States surveyor-general for California with deputy surveyors for surveys of public lands during the fiscal year 1873 and 1874, and payable out of the private deposits made in conformity with the acts of May 30, 1862, and March 3, 1871.

C.—Statement of surveys of mines in California for the fiscal year 1873 and 1874, made in conformity with the acts of Congress approved July 26, 1866, July 9, 1870, and May 10, 1872.

D.—Statement showing the number of miles surveyed in California to June 30, 1874.

E.—List of lands surveyed in California from June 30, 1873, to June 30, 1874.

F.—Statement of plats made in the office of the surveyor-general for California during the fiscal year 1873 and 1874.

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 fiscal year 1873-'74.

H.—Statement of descriptive notes, decrees of court, &c., of private land-claims to accompany plats for patents, compiled for transmission to the Department at Washington during the fiscal year 1873-'74.

I.—Statement of special deposits for the survey of public lands in California during the fiscal year A. D. 1873-'74.

J.—Statement of special deposits for the surveys of mining-claims in California during the fiscal year 1873-'74.

K.—Statement of account of appropriation for the survey of public lands in California during the fiscal year 1873 and 1874.

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, 1874.

M.—Account of appropriation for the salary of the surveyor-general for California for the fiscal year ending June 30, 1874.

N.—Statement of account of appropriation for compensation of clerks and draughtsmen in the office of United States surveyor-general for California for the fiscal year ending June 30, 1874.

O. Statement of special deposits with the United States assistant treasurer at San Francisco during the fiscal year ending June 30, 1874, for compensation of clerks and draughtsmen in the office of the United States surveyor-general for California.

P. Statement of the special-deposit account for the fiscal year ending June 30, 1874.

Q. Estimate for the surveying-service in the district of California for the fiscal year ending June 30, 1876.

PUBLIC SURVEYS.

The appropriation for the past year was distributed throughout the State, the greater portion of it being expended in the timber-lands of the Sierra Nevada Mountains, and was divided pretty evenly among the different land districts; and it is my intention to distribute the present appropriation so that no section will have any good cause for complaint, and I propose to expend it only in those townships that are occupied by actual settlers.

Petitions for the survey of public land that would require an appropriation of at

least \$250,000 have been filed in my office during the eight months that I have held it, only about one-fourth of which can be surveyed under the present appropriation; from which it will be seen that a much larger sum could have been expended advantageously to the settlers as well as the General Government.

#### PRIVATE LAND-GRANTS.

In order to determine the exact status of each grant, I have carefully classified them, and find that, of the 813 cases presented before the land commission, 207 have been finally rejected. As many of the patents for private grants have been delivered at Washington direct to the parties entitled to them without notice to this office, our records do not show fully the number thus far issued; but, from all the information I can obtain, the number issued is about 450, of which 438 have been delivered through this office.

During the past year 9 grants have been surveyed *de novo*. The surveys of 10 grants have been modified, in accordance with the decrees of the United States courts or of the decisions of the Department. Ten have been advertised or re-advertised under the act of July 1, A. D. 1864. Seven have been forwarded to your Office for your action. Nineteen have been transmitted for patent; and 22 cases are now before this office in various stages of progress. Of those grants that have been confirmed there are five that contain one league or more, and fifty-two that contain a lesser area have not been surveyed by this office. Nearly all the latter class are small tracts of a few hundred acres each, and are parts of larger grants that have been confirmed specifically to different claimants, and others are small lots in or near the Old Missions, none of which could be surveyed because of the refusal of the claimants to deposit funds to pay the expense of a survey and advertising. The provision in the appropriation for the fiscal year ending June 30, 1875, placing \$30,000 at my command for the survey of these delayed cases and others that may be adjudicated, will enable this office to make a survey of these — cases, and thus compel a settlement of their boundaries.

#### MOUNTAIN LANDS.

It is very desirable that Congress should modify the land-laws so that pre-emption claims in the rough and more arid portions of our State may be enlarged to 640 acres in compact form.

There are large bodies of land only fit for pasture that will remain unpurchased for many years, but which will be occupied, and perhaps readily inclosed, by some adjacent settler, and on which there is probably no water obtainable, and hence, on account of natural obstacles, cannot be occupied by the actual settler while pre-emption claims are limited to 160 acres.

#### MINING-CLAIMS.

Since the last annual report from this office 115 surveys were made of placer gold-mines and 123 surveys of mineral veins in rock *in situ*; 40 of which are represented to contain gold; 30, silver; 40, quicksilver; 2, iron; 3, lead; 8, copper; and 2 borax-mines have also been surveyed.

The laws and regulations relating to the mode of sales of these lands appear to afford every reasonable facility to owners to obtain titles thereto, and I cannot learn of any well-founded cause for complaint with their workings.

#### QUICKSILVER.

Until very recently it was supposed that ores of quicksilver were confined to two localities in this State, viz, New Almaden and New Idria, but the decreasing supply from the former mine, and the high prices that the metal has lately commanded, have caused explorations to be made in other portions of the State, which have led to the discovery of very valuable deposits of cinnabar in many widely-separated localities; and the large number of surveys that have been made during the past year of this class of mines indicate the attention which this metal is at present attracting.

Cinnabar-mines have been found in the counties of Santa Barbara, San Luis Obispo, Monterey, Santa Clara, Napa, Lake, Colusa, Sonoma, Contra Costa, Anador, and El Dorado, and many of the claims give promise of becoming valuable.

#### • ARTIFICIAL FORESTS.

The rapid destruction of the natural forests on this coast and the certainty of their complete disappearance within a very limited period, and the fact that all of the hard woods for mechanical uses have to be imported at a cost of \$120 to \$200 per thousand, have led to the planting of small tracts of artificial forests in a very few localities to test its practicability, and as a result it is found that the trees best adapted to our soil and climate are the very numerous family of *Eucalyptus*, or Australian gum-trees. Those of this family that have been planted for ornamental purposes have attained a height of 75 feet and diameter of 18 inches in ten years. The largest plantation in forest form contains about 200 acres. The oldest

trees, now about five years old from the seed, average 50 feet high and 10 inches in diameter, though they are planted 8 feet apart, or about 600 on an acre. This timber, although of such rapid growth, is a very hard wood, and is equal in strength to oak or ash, and many varieties are very durable, and will be invaluable for purposes where strength and durability are required; and as nearly every member of the family of *Eucalyptus* delights in a dry soil and on elevated lands unsuited to the culture of the usual farming crops, and as the success of the principal venture above referred to is now assured, many large land-owners are now planting these trees extensively, and it is certain that not many decades will pass before this State will not only be able to fully meet the home consumption of hard woods hitherto wholly imported, but will also be able to supply the demands for these materials from her less-favored sisters. I have no doubt that the *Eucalyptus* will thrive in any of the Gulf States of the Union, and in any locality where the thermometer does not fall below 30° F.

## COLORADO DESERT.

It is a fact not generally known that there is a large extent of country in the southern and southeastern portion of this State, that is generally below the level of the sea, now an arid desert; and a survey has been made under the auspices of some capitalists of this city to determine the feasibility of restoring this depression to its original condition—that of a sea or a continuation of the Gulf of California—by renewing the connection with the gulf by excavating a canal through the low intervening sandy barrier. I am informed that they propose to give the information thus obtained to our Government and ask congressional aid; and, should this plan be fully carried out, it is expected that a district of country extending about two hundred miles northerly from the head of the Gulf of California and one hundred miles in width will be made an inland archipelago, and it is expected that very important meteorological changes will result. The summer rains of Northern Mexico reach only to this region, when, in their northerly course, they are dissipated by the hot air from the burning sands of the desert; and should that region be converted into a sea, it is expected that the southerly moist winds which prevail south of the desert will extend across it, and thus materially lower the temperature of the southerly central portion of our State, and proportionately lessen the severity of the sea-winds which are now the result of the natural demand of this interior region to supply the loss on account of the rarefaction of its atmosphere.

Very respectfully, your obedient servant,

JAS. T. STRATTON,

*United States Surveyor-General for California.*

Hon. S. S. BURDETT,

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



A.—Statement of contracts entered into by the United States surveyor-general for California, with deputy surveyors for surveys of public lands during the fiscal year ending June 30, 1873, and payable out of the public appropriation of \$80,000 for that year.

Name of deputy.	Date of contract.	Location of field-work.	Meridian.	Amount of contract.	Returned amount.	Remarks.
George B. Tolman .....	Aug. 4, 1873	Complete the subdivision of township 5 north, ranges 13 and 14 east; township 6 north, ranges 14 and 15 east.	Mount Diablo...	\$4,000 00	\$3,346 11	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
J. M. Anderson.....	Aug. 4, 1873	Survey all lines necessary to subdivide township 9 north, range 13 east; township 10 north, range 13 east; township 11 north, range 12 east; township 12 north, range 12 east; township 11 north, range 13 east.	do .....	5,000 00	.....	Do.
A. W. Brown .....	Aug. 15, 1873	Survey all lines necessary to subdivide township 18 north, ranges 8 and 9 east.	do .....	2,000 00	.....	Field-notes returned to deputy for correction.
William H. Norway.....	Aug. 16, 1873	Complete the exterior boundaries of township 14 north, ranges 24, 25, 26, 27, and 28 west; township 5 north, ranges 25, 26, 27 and 28 west; township 6 north, ranges 26, 27, and 28 west; and to subdivide townships 5 and 6 north, of above ranges.	San Bernardino.	6,000 00	4,257 19	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
H. C. Holmes .....	Aug. 28, 1873	Survey all lines necessary to subdivide township 24 south, ranges 14, 15, and 16 east; township 25 south, ranges 15, 16, and 17 east; township 27 south, ranges 17 and 18 east.	Mount Diablo...	4,000 00	4,259 96	Do.
William Minto.....	Sept. 4, 1873	Complete the exterior boundaries and subdivide townships 18, 19, 20, and 21 south, range 34 east; townships 18, 19, and 22 south, range 35 east.	do .....	.....	.....	Surveys completed; plats and field-notes transmitted.
John A. Benson.....	Sept. 9, 1873	Survey all lines necessary to subdivide township 26 north, range 1 east.	do .....	2,000 00	1,814 61	Surveys completed and approved; plats and field-notes transmitted; account audited.
H. M. Hayes .....	Sept. 11, 1873	Survey all lines necessary to subdivide township 16 south, range 8 east; township 17 south, range 8 east; township 19 south, range 9 east.	do .....	2,500 00	2,711 17	Surveys completed and approved; plats and field-notes transmitted; account audited and closed.
William Magee.....	Sept. 28, 1873	Survey the exterior boundaries and subdivide township 33 north, ranges 1 and 2 west; township 34 north, ranges 1 and 2 west; township 33 north, range 1 east; township 35 north, range 1 east.	do .....	5,000 00	.....	Being platted and advertised.
William L. McKim.....	Sept. 15, 1873	Survey all lines necessary to subdivide township 7 north, ranges 13 and 14 east; to township 8 north, range 13 east.	do .....	3,300 00	.....	Deputy in the field.
Oliver P. Calloway.....	Sept. 15, 1873	Survey all lines necessary to subdivide township 5 south, ranges 23 and 24 east; township 6 south, ranges 23 and 24 east; township 7 south, range 23 east; township 8 south, range 23 east.	San Bernardino.	5,000	.....	Survey made; field-notes returned.

William Minto.....	Sept. 29, 1873.	Survey all lines necessary to subdivide township 17 south, ranges 34 and 35 east; township 22 south, ranges 34 and 35 east; township 20 south, range 36 east.	Mount Diablo....	5,000	Notes returned; platted and suspended.
Robert R. Harris.....	Oct. 2, 1873	Complete the interior and subdivide township 31 south, ranges 21 and 22 east; township 23 south, ranges 22, 23, and 24 east; township 9 south, ranges 34, 35, and 36 west; township 10 south, ranges 34 and 35 west; township 12 south, ranges 24 and 25 west; township 12 south, range 26 west; township 11 south, range 24 west.	San Bernardino	5,500	Survey made, field notes returned.
John Goldsworthy.....	Oct. 3, 1873	Complete the exterior lines and subdivide township 1 north, ranges 5, 6, and 7 west; township 2 south, range 3 west; township 11 south, range 3 west; township 14 south, ranges 3 and 4 west.	do.....	2,800	Deputy in the field.
Alexander McKay.....	Oct. 6, 1873	Complete the exterior lines and subdivide township 41 north, range 9 west; township 43 north, range 9 west; township 45 north, range 2 west; township 47 north, range 2 east; township 48 north, range 1 east.	Mount Diablo....	5,000	Do.
A. A. Smith.....	Nov. 1, 1873	Survey all lines necessary to subdivide township 25 north, ranges 14 and 15 east; township 36 north, ranges 14 and 15 east; township 24 north, range 15 east; township 34 north, range 12 east; township 35 north, range 15 east; township 36 north, range 15 east.	do.....	8,000	Do.
H. S. Craven.....	Nov. 4, 1873	Subdivide all lands in townships 10 and 11 south, range 3 west; bounded by the rancho San Vicente on the west, the rancho Refugio on the southeast, and the Pacific Ocean on the south.	do.....	1,000	Notes returned and platted.
D. C. Hall.....	Nov. 5, 1873	Survey all lines necessary to subdivide township 9 south, range 19 east; township 10 south, ranges 20 and 21 east; township 11 south, ranges 20 and 21 east; township 12 south, ranges 19 and 20 east; township 14 south, ranges 25 and 26 east; township 15 south, ranges 25, 26, and 27 east.	do.....	7,500	Do.
H. S. Craven.....	Nov. 6, 1873	Survey all lines necessary to subdivide township 3 north, ranges 19, 20, and 21 west; township 4 north, ranges 18, 19, and 20 west.	San Bernardino.	3,000	Notes returned.
William Minto.....	Nov. 5, 1873	Extend the fourth standard south through ranges 29 and 30 east, and complete the exterior boundaries and subdivision lines of township 17 south, range 29 east; township 17 south, range 30 east; township 18 south, range 29 east; township 19 south, range 27 east; township 19 south, range 28 east; township 19 south, range 29 east; township 20 south, range 28 east; township 30 south, range 29 east.	Mount Diablo....	\$7,500 00	Notes returned, platted, and suspended.
John A. Benson.....	Dec. 20, 1873	Survey all lines necessary to subdivide township 8 north, range 12 west; township 9 north, range 12 west.	do.....	2,100 00	Survey returned and being advertised.

## A.—Statement of contracts entered into by the United States surveyor-general for California with deputy surveyor, &amp;c.—Continued.

Name of deputy.	Date of contract.	Location of field-work.	Meridian.	Amount of contract.	Returned amount.	Remarks.
George B. Tolman.....	Jan. 3, 1874	Survey the unsurveyed portion of township 5 north, range 15 east.	Mount Diablo.....	\$600 00	.....	Survey returned and being advertised.
Jesse Applegate.....	Apr. 6, 1874	Complete the subdivision of township 46 north, range 5 east; township 47 north, range 5 east.	.....do.....	500 00	.....	Deputy in the field.
S. W. Foreman.....	May 4, 1874	Complete the exterior and subdivision of township 5 north, range 2 east; township 5 north, range 3 east; township 6 north, range 3 east; township 6 north, range 6 west.	Humboldt.....	4,500 00	.....	Do.
H. H. Sausford.....	May 6, 1874	Complete the subdivision of township 23 north, range 6 west; township 24 north, range 6 west.	Mount Diablo.....	900 00	.....	Do.
W. H. Carleton.....	May 27, 1874	Survey the range-line from the northwest corner of township No. 23 north, of range 12 west, along the west line of range 12 west, to the sixth standard parallel north of the Mount Diablo base and meridian; also the sixth standard parallel north of the Mount Diablo base and meridian, through ranges 7, 8, 9, 10, 11, and 12 west; also the fifth standard parallel north of the Mount Diablo base and meridian, through ranges 8, 9, 10, 11, and 12 west; also the Humboldt base-line through ranges 6, 7, and 8 east, to the said west line of range 12 west, Mount Diablo meridian; also the south boundaries of township 5 south of the Humboldt meridian and base, through ranges 7 and 8 east, to the said west line of range 12 west, of the Mount Diablo meridian.	.....	2,400 00	.....	Do.
S. W. Foreman.....	June 24, 1874	Complete the exterior boundaries and subdivide township 3 south, ranges 1 and 2 west; township 3 south, range 1 east; township 4 south, ranges 1 and 2 west; township 3 south, range 2 east; township 3 south, range 3 east; township 4 south, range 3 east; township 5 south, range 3 east.	Humboldt.....	8,000 00	.....	Do.

JAS. T. STRATTON,  
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, 1874, and payable out of private deposits made in conformity with the act of March 3, 1871.

No	Name of deputy.	Date of contract.	Location of survey.	Meridian.	Amount of contract.	Returned amount.	Name of depositor.	Remarks.
10	Rufus Herrick.....	July 21, 1873	Complete the exterior boundaries and the subdivision of township 1 north, range 1 west.	Humboldt.....	\$95 50	\$541 18	Jos. Russ.....	Survey completed and approved
11	S. W. Smith.....	Aug. 8, 1873	Complete the subdivision of township 19 south, range 10 east; township 19 south, range 11 east; township 20 south, range 11 east.	Mount Diablo.	756 00	.....	Henry Miller.....	Survey completed; notes being plotted.
	Hubbard Savage.....	July 25, 1873	Complete the exterior boundaries and subdivide township 15 north, range 14 west.	.....do.....	535 64	.....	A. Sniffen, J. C. Tindall, J. Nodessa, W. Stephens.	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
	John Goldsworthy.....	Aug. 9, 1873	Complete the subdivision of township 8 north, range 19 west.	San Bernardino	60 00	38 00	Hannah Gorman.....	Do.
	H. S. Craven.....	Sept. 20, 1873	Complete the subdivision of township 11 north, range 8 west.	Mount Diablo.	180 00	164 15	Ira Underwood, J. M. Harbin.	Do.
	William P. Reynolds.	Oct. 20, 1873	Complete the exterior and subdivision lines of township 3 south, range 7 west.	San Bernardino	43 00	.....	Caleb Yount.....	Deputy in the field.
	S. W. Smith.....	Oct. 29, 1873	Survey all lines necessary to subdivide township 10 south, range 5 east.	Mount Diablo.	765 00	.....	P. Donnelly, P. Regan, F. Turner, et al.	Notes returned and being plotted.
	John Goldsworthy....	Oct. 30, 1873	Survey all the unsurveyed portion of township 3 south, range 13 west.	San Bernardino	97 50	.....	George Wright, R. R. Wright.	Survey completed and approved; plats and field-notes transmitted; account audited.
	S. Broadwell.....	Nov. 1, 1873	Complete the subdivision of township 12 north, range 8 west.	Mount Diablo.	10 00	13 22	J. Mullan.....	Do.
	Hubbard Savage.....	Nov. 7, 1873	Survey all lines necessary to subdivide township 13 north, range 11 west.	.....do.....	284 00	.....	S. & D. Howell, H. Standley, et al.	Notes filed.
	Hubbard Savage.....	Nov. 7, 1873	Survey all lines necessary to subdivide township 16 north, range 13 west.	.....do.....	370 00	360 59	M. J. Smith, William O. Pitts.	Survey completed and approved; plats and field-notes transmitted; account audited.
	John A. Benson.....	Nov. 19, 1873	Complete exterior and subdivision lines of township 10 north, range 10 west.	.....do.....	592 50	578 85	T. W. Freeman, C. P. Moore, Edw. Wheeler, C. E. F., E. H. Grovel.	Do., and closed.
	H. M. Hayes.....	Nov. 13, 1873	Survey all lines necessary to subdivide township 11 south, range 9 east.	.....do.....	654 00	.....	J. J. C. E. F., E. H. Grovel.	Notes filed and being plotted.
	L. B. Healey.....	Dec. 5, 1873	Survey all lines necessary to subdivide township 29 north, range 1 east.	.....do.....	972 00	.....	D. G. Anderson, A. C. Owen, et al.	Deputy in the field.
	John A. Benson.....	Dec. 9, 1873	Complete the south boundary and the subdivision of township 15 north, range 14 west.	.....do.....	292 00	.....	J. G. J. Catlin, R. Redpath, G. V. Gunn.	Survey made and plats completed.

## B.—Statement of contracts entered into by the United States surveyor-general for California, &amp;c.—Continued.

Name of deputy.	Date of contract.	Location of survey.	Meritian.	Amount of contract.	Returned amount.	Name of depositor.	Remarks.
John A. Benson.....	Dec. 9, 1873	Complete the subdivision of township 14 north, range 4 west.	Mount Diablo.	\$60 00		M. A. Britton.....	Platted, approved, and being advertised.
John A. Benson.....	Dec. 9, 1873	Complete the subdivision of township 10 north, range 10 west.	do	238 00		W. W. Meredith and W. Smith.	Platted, approved, and being advertised.
Do.....	Dec. 9, 1873	Complete the subdivision of township 10 north, range 14 west.	do	200 00		Samuel Totten and John C. Beatty.	Do.
E. J. Cahill.....	Dec. 11, 1873	Complete the subdivision of township 14 south, range 9 east.	do	264 00		E. F. Donnelly.....	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
W. H. Norway.....	Dec. 15, 1873	Complete the subdivision of township 5 north, range 32 west; township 5 north, range 33 west.	San Bernardino	500 00	\$643 67	Albert Dibblee.....	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
R. F. Herrick.....	Dec. 29, 1873	Complete the survey of fractional township 1 north, range 2 west.	Humboldt.....	47 00	12 14	N. Hurlburt.....	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
John Goldsworthy.....	Jan. 20, 1874	Complete the subdivision of township 2 south, range 13 west.	San Bernardino,	90 00		John Baker.....	Notes filed and being platted.
D. D. Brown.....	Jan. 26, 1874	Survey all lines necessary to subdivide township 6 south, range 7 east; township 7 south, range 7 east.	Mount Diablo.	1, 179 00		C. S. Neal, J. Martindale, J. D. Frey, et al.	Notes filed and being platted.
G. W. Lewis.....	Jan. 31, 1874	Complete the subdivision of township 9 north, range 32 west.	San Bernardino	42 50		F. W. Holmes, J. J. Holloway.	Surveyed, platted, and approved.
Hubbard Savage.....	Jan. 12, 1874	Complete the subdivision of township 15 north, range 16 west.	Mount Diablo	90 00		F. Maybleou.....	Deputy in the field.
Mark Howell.....	Mar. 10, 1874	Survey all lines necessary to subdivide township 6 south, range 22 east.	do	900 00		W. H. Thurman, James Dickenson, et al.	Do.
W. H. Carleton.....	Mar. 14, 1874	Survey all lines necessary to subdivide township 10 south, range 1 east.	do	246 00		F. Fuller, E. L. Zoeller.	Survey completed and approved; plats and field-notes transmitted; account audited and closed.
Gustavus Cox.....	Mar. 22, 1874	Complete the subdivision of township 10 north, range 8 west.	do	400 00		Hiram Briggs, Frank Briggs.	Notes filed.
S. W. Smith.....	Apr. 6, 1874	Complete the subdivision of township 10 south, range 4 east.	do	171 00		J. Moreno, D. Zuck, José Lucero.	Deputy in the field.
John Goldsworthy.....	Mar. 25, 1874	Survey all lines necessary to subdivide township 4 south, range 6 west.	San Bernardino	645 00		R. S. Garnett, Abram Hoeg, William Howard.	Do.
Denlin D. Brown.....	Apr. 11, 1874	Complete the subdivision of township 7 south, range 6 east.	Mount Diablo.	156 00		E. M. Frey.....	Notes filed, platted, and approved.
M. G. Wheeler.....	May 6, 1874	Complete the subdivision of township 2 south, range 1 west.	San Bernardino	594 00		Asher E. Maxey, G. W. Mendenhall.	Survey made; notes filed.

G. F. Allardt.....	May 26, 1874	Complete the subdivision of township 1 north, range 6 west.	Mount Diablo	108 00	Thomas L. Reiley.....	Survey made and notes filed.
William Isaac.....	May 22, 1874	Survey all the unsurveyed portion of township 15 south, range 2 east.	do	42 00	W. S. Barlow.....	Deputy in the field.
C. T. Healey.....	June 2, 1874	Complete the subdivision of township 9 south, range 1 east.	do	100 00	James B. Randal.....	Survey made; notes filed.
Walter J. Rumble.....	May 4, 1874	Complete the subdivision of township 7 south, range 9 west.	San Bernardino	100 00	J. S. Dameron.....	Do.
John A. Benson.....	June 8, 1874	Complete the subdivision of township 16 north, range 9 west.	Mount Diablo	450 00	D. McLean <i>et al.</i> .....	Do.
F. L. Ripley.....	May 7, 1874	Complete the survey of the east and south boundaries of township 16 south, range 1 west.	do	54 00	B. V. Sargent.....	Do.
Denlin D. Brown.....	June 17, 1874	Complete the survey of the exterior and subdivision lines of townships 18 and 19 north, range 15 east; townships 16, 17, and 18 north, range 18 east.	do	2,500 00	Central Pacific Railroad Company.	Deputy in the field.
S. W. Foreman.....	May 22, 1874	Complete the subdivision of township 1 south, range 2 west.	Humboldt	280 00	E. J. Baker <i>et al.</i> .....	Deputy in the field.

JAMES T. STRATTON,  
*United States Surveyor-General for California.*

C.—Statement of surveys of mines in California for the fiscal year 1873–74.

UNDER THE ACTS OF CONGRESS APPROVED JULY 26, 1866, AND JULY 9, 1870.

Approval of survey.	Name of mine.	Location.
July 3, 1873.	Alabama Quartz Mine and mill-site	Placer County.
July 21, 1873.	Bean Boys' Placer Mine	Yuba County.
July 8, 1873.	Cedar Quartz Mine and mill-site	Nevada County.
April 18, 1873.	Democrat Quartz Mine	Calaveras County.
Mar. 24, 1874.	Dutch Flat Quartz Mine	Placer County.
Mar. 13, 1874.	Eagle Quartz Mine	Nevada County.
Oct. 31, 1873.	Fraser, Alexander & Co. Placer Mine.	Do.
Oct. 8, 1873.	Great Crevis Gold Placer Mine	El Dorado County.
Aug. 24, 1873.	Home Stake Quartz Mine	Nevada County.
April 25, 1874.	Herbertville Quartz Mine	Amador County.
Nov. 5, 1873.	Lightner Quartz Mine and mill-site	Calaveras County.
April 4, 1874.	Lone Star Quartz Mine	Do.
Aug. 6, 1873.	Mechanics' Quartz Mine	Amador County.
Aug. 22, 1873.	Miami Gold Placer Mine	Placer County.
Aug. 7, 1873.	North Star Gold Placer Mine	Do.
Feb. 25, 1874.	Natoma Water Mining Company's Placer Mine.	Sacramento County.
Mar. 13, 1874.	Porphyry Quicksilver Mine	Lake County.
April 6, 1874.	Reed & Hillery Quartz Mine	Calaveras County.
Aug. 23, 1873.	S. L. Hunt Quartz Mine	El Dorado County.
Dec. 29, 1873.	Socrates Quicksilver Mine	Sonoma County.
Feb. 20, 1874.	South Keystone Quartz Mine	Amador County.
Dec. 16, 1873.	Union Company's Placer Mine	Nevada County.
Aug. 5, 1873.	Weed's Point Placer Mine	Yuba County.
Dec. 3, 1873.	Willow Hill Placer Mine	Sacramento County.
Nov. 25, 1873.	Woodside Gold Placer Mine	El Dorado County.

UNDER THE ACT OF CONGRESS APPROVED MAY 10, 1872.

July 29, 1873.	Alaska Quartz Mine	Nevada County.
Aug. 13, 1873.	Atkins & Taylor Placer Mine	Do.
Aug. 22, 1873.	Alta California Copper Mine	Del Norte County.
Sept. 2, 1873.	Ambrose Placer Mine	Do.
Oct. 29, 1873.	Alice May Quicksilver Mine	Sonoma County.
Feb. 18, 1874.	American Placer Mine	Placer County.
Feb. 18, 1874.	Alpine Quartz Mine	Calaveras County.
Mar. 10, 1874.	Azogue Quicksilver Mine	Napa County.
Mar. 17, 1874.	Alameda Quartz Mine	Calaveras County.
May 4, 1874.	American Quicksilver Mine	Lake County.
May 4, 1874.	Arkansas Greenhorn Cañon Placer Mine	Nevada County.
July 7, 1873.	Bowling Green Placer Mine	Calaveras County.
July 22, 1873.	Baker & Austin Placer Mine	Los Angeles County.
Aug. 21, 1873.	Bird's Eye Cañon Placer Mine	Nevada County.
Sept. 6, 1873.	Belmont Silver Quartz Mine	Inyo County.
Sept. 9, 1873.	Bunker Hill Placer Mine	Del Norte County.
Sept. 23, 1873.	Butcher Flat Gold Placer Mine	Klamath County.
Sept. 25, 1873.	Burgess Ranch Placer Mine	Siskiyou County.
Sept. 30, 1873.	Baushey Silver Quartz Mine	Inyo County.
Oct. 9, 1873.	Bloomfield Hydraulic Placer Mine	Nevada County.
Oct. 11, 1873.	Burger Placer Mine	Butte County.
Jan. 13, 1874.	Brown Placer Mine	Placer County.
Mar. 25, 1874.	Blue Ledge Quartz Mine	El Dorado County.
May 1, 1874.	Biglow Quartz Mine	Sierra County.
June 9, 1874.	Baltimore Placer Mine	Nevada County.
June 22, 1874.	Blake & Caldwell Placer Mine	Siskiyou County.
Aug. 11, 1873.	Church and Golden Gate Placer Mine	Placer County.
Aug. 17, 1873.	Cerro Bonito No. 1 Quicksilver Mine and mill-site	Fresno County.
Aug. 12, 1873.	Cerro Bonito No. 2 Quicksilver Mine and mill-site	Do.
Aug. 13, 1873.	Cerro Bonito No. 3 Quicksilver Mine and mill-site	Do.
Aug. 14, 1873.	Cerro Bonito No. 4 Quicksilver Mine and mill-site	Do.
Aug. 15, 1873.	Cerro Bonito No. 5 Quicksilver Mine and mill-site	Do.
Aug. 16, 1873.	Cerro Bonito No. 6 Quicksilver Mine and mill-site	Do.
Aug. 18, 1873.	Cerro Bonito No. 7 Quicksilver Mine and mill-site	Do.
Aug. 19, 1873.	Cerro Bonito No. 8 Quicksilver Mine and mill-site	Do.
Sept. 24, 1873.	Cedar Creek Placer Mine	Placer County.
Sept. 30, 1873.	China Creek Placer Mine	Del Norte County.
Oct. 4, 1873.	Chitwood Placer Mine	Shasta County.
Oct. 29, 1873.	Coral Quicksilver Mine	Sonoma County.
Nov. 15, 1873.	Chicken Point Placer Mine	Nevada County.
Nov. 22, 1873.	Columbia Quicksilver Mine	Lake County.
Nov. 29, 1873.	Content Gold and Silver Mine	Kern County.
Dec. 10, 1873.	Commonwealth Gold and Silver Mine	Do.
Mar. 18, 1874.	Cynthia Gold Mine	San Bernardino County.
Mar. 26, 1874.	Cloverdale Quicksilver Mine	Sonoma County.
April 10, 1874.	Crescent Quartz Mine	Nevada County.
April 29, 1874.	Coughey Claims Sam Davis & Co. Mine	Butte County.
April 30, 1874.	Chrome Iron No. 1 Mine	Sonoma County.
April 30, 1874.	Chrome Iron No. 2 Mine	Do.
May 9, 1874.	Copper Hill Copper Mine	Shasta County.
May 21, 1874.	Clio Gold Quartz Mine	Tuolumne County.
and 1, 1874.	Coyle Gold Placer Mine	Trinity County.

C.—Statement of surveys of mines in California for the fiscal year 1873-74—Continued.

Approval of survey.	Name of mine.	Location.
June 18, 1874.	Caledonia Quartz Mine	El Dorado County.
June 26, 1874.	Chauption Mine and mill-site	Nevada County.
July 12, 1873.	Dolly Varden Placer Mine	Trinity County.
Sept. 18, 1873.	Dunderberg Quartz Mine and mill-site	Mono County.
Oct. 13, 1873.	Deadwood Quartz Mine and mill-site	Yuba County.
Sept. 2, 1873.	Evans & Co. Placer Mine.	Del Norte County.
Sept. 20, 1873.	Elliot, Humphrey & Baznett Consolidated Placer Mine.	Placer County.
Oct. 28, 1873.	El Dorado Quicksilver Mine	Lake County.
Oct. 27, 1873.	Empire Tunneling Company's Mine.	Inyo County.
Nov. 3, 1873.	Elk Bar Gold Placer Mine	Del Norte County.
Dec. 10, 1873.	Empire Gold Quartz Mine	Tuolumne County.
Jan. 16, 1874.	Evans & Bartlett Placer Mine	Trinity County.
Mar. 27, 1874.	Eureka Gold Quartz Mine	Tuolumne County.
June 11, 1874.	Epley & Mammoth Quartz Mine	El Dorado County.
June 25, 1874.	Eureka Consolidated Copper Mine	Nevada County.
July 17, 1873.	Ferguson & Co. Placer Mine	Del Norte County.
July 25, 1873.	Fort Goff Placer Mine	Siskiyou County.
Oct. 3, 1873.	Fritz Quartz Mine and mill-site.	Calaveras County.
Jan. 13, 1874.	Fairview Quartz Mine	Tuolumne County.
July 26, 1873.	George Simmons Placer Mine.	Siskiyou County.
Aug. 7, 1873.	Golden Sun Quartz Mine	Butte County.
Aug. 12, 1873.	Golden Eagle Placer Mine	Mariposa County.
Aug. 21, 1873.	Grey Eagle Quartz Mine	Amador County.
Sept. 23, 1873.	Gold Run Placer Mine	Placer County.
Oct. 3, 1873.	George Wood Placer Mine	Del Norte County.
Oct. 8, 1873.	Great Crevis Placer Mine.	El Dorado County.
Oct. 14, 1873.	Green Mountain Placer Mine and mill-site	Plumas County.
Nov. 20, 1873.	Green Lead Quartz Mine and mill-site	San Bernardino County.
Nov. 21, 1873.	Great Eastern Quicksilver Mine	Lake County.
Feb. 18, 1874.	Great Western Quartz Mine.	Sacramento County.
Mar. 5, 1874.	Geyser No. 1 Quicksilver Mine.	Sonoma County.
Mar. 16, 1874.	Grant Quartz Mine.	Nevada County.
June 30, 1874.	Good Hope Quartz Mine	Do.
May 7, 1874.	Green Valley Blue Gravel Placer Mine	Placer County.
July 11, 1873.	Happy Camp Hydraulic Placer Mine	Del Norte County.
Aug. 12, 1873.	Hatchek Creek Placer Mine.	Trinity County.
Sept. 5, 1873.	Humbug Fluming Company's Placer Mine.	Siskiyou County.
Sept. 16, 1873.	Haley Gold Placer Mine	Del Norte County.
Oct. 21, 1873.	Hite Quartz Mine and mill-site	Mariposa County.
Nov. 21, 1873.	Hope Quicksilver Mine	Lake County.
Jan. 15, 1874.	Hercules Quicksilver Mine.	Sonoma County.
Apr. 1, 1874.	Hartford Quartz Mine	Amador County.
Apr. 7, 1874.	Hercules Quartz Mine	Do.
Apr. 30, 1874.	Highland Mary Placer Mine	Sierra County.
May 13, 1874.	Hazel Dell Gold Quartz Mine	Tuolumne County.
Aug. 21, 1873.	Jones Flat Gold Placer Mine.	Mariposa County.
Sept. 2, 1873.	Justice Gold Placer Mine	Los Angeles County.
Oct. 7, 1873.	Jones & Howell Gold Placer Mine	Siskiyou County.
Nov. 4, 1873.	John Shoo Bar Gold Placer Mine.	Del Norte County.
Dec. 2, 1873.	James Ward Gold Placer Mine	Trinity County.
Dec. 4, 1873.	John Miller & Co. Gold Placer Mine.	Siskiyou County.
Jan. 12, 1874.	Jacobs Placer Mine	Trinity County.
June 16, 1874.	Jesus Redonda Quartz Mine.	San Bernardino County.
July 17, 1873.	Kols Field Placer Mine.	Siskiyou County.
Oct. 16, 1873.	Kickapoo Placer Mine.	Butte County.
Nov. 20, 1873.	King Placer Mine.	Nevada County.
Mar. 23, 1874.	Kerr Placer Mine.	Placer County.
Aug. 8, 1873.	Lehigh Placer Mine.	Do.
Oct. 18, 1873.	Long Valley Placer Mine	Plumas County.
Oct. 30, 1873.	Leota Quicksilver Mine.	Sonoma County.
Nov. 7, 1873.	La Grande Tunnel Placer Mine	Placer County.
Dec. 23, 1873.	Lamb & Sheldon Placer Mine	Siskiyou County.
Jan. 13, 1874.	Lost Lodge Quicksilver Mine.	Sonoma County.
Jan. 14, 1874.	Liberty Hill Placer Mine	Nevada County.
Mar. 13, 1874.	Leota Quicksilver mill-site	Sonoma County.
Mar. 17, 1874.	Littlefield Gold Quartz Mine	San Bernardino County.
Mar. 19, 1874.	London Quicksilver Mine	Napa County.
Mar. 19, 1874.	Lennen Gold Quartz Mine	Tuolumne County.
July 15, 1873.	McDaniel Tunnel Placer Mine	Placer County.
July 19, 1873.	Masonic Bar Placer Mine	Siskiyou County.
July 19, 1873.	Mouth of Humbug Placer Mine	Do.
Aug. 28, 1873.	McGillivray Placer Mine.	Trinity County.
Sept. 11, 1873.	Muc-a-Muc Placer Mine	Del Norte County.
Sept. 16, 1873.	Mooney Flat Hydraulic Mine	Yuba and Nevada Cos.
Sept. 20, 1873.	Mooney Quartz Mine and mill-site	Tuolumne County.
Oct. 10, 1873.	Mount Pleasant Placer Mine	Sierra County.
Oct. 13, 1873.	McNeal Placer Mine	Klamath County.
Dec. 30, 1873.	Mount Vernon Quicksilver Mine.	Sonoma County.
Jan. 12, 1874.	Mammoth Placer Mine.	Trinity County.
Jan. 14, 1874.	Maine Borax Mine	San Bernardino County.
Jan. 14, 1874.	Mississippi Placer Mine	Siskiyou County.
Jan. 15, 1874.	Mohawk Borax Mine	San Bernardino County.
Jan. 16, 1874.	Mount Oro Placer Mine	Nevada County.
Feb. 18, 1874.	Mountain Gold and Silver Mine and mill-site No. 1	Alpine County.



## C.—Statement of surveys of mines in California for the fiscal year 1873-'74—Continued.

Approval of survey.	Name of mine.	Location.
Mar. 17, 1874.	Moonlight Gold Mine	San Bernardino County.
Mar. 20, 1874.	Morrison Gold Mine and mill-site	Do.
Apr. 3, 1874.	Mountaineer Gold Quartz Mine	El Dorado County.
Apr. 23, 1874.	McLeod Placer Mine	Nevada County.
May 12, 1874.	Mount Hope Quartz Mine	El Dorado County.
May 16, 1874.	Macnevin Quartz Mine	Calaveras County.
May 16, 1874.	Mountain Quartz Mine	Sierra County.
Aug. 7, 1873.	North Star Placer Mine	Placer County.
Aug. 27, 1873.	New London Quartz Mine	Amador County.
Oct. 6, 1873.	National Quartz Mine	Nevada County.
Oct. 10, 1873.	Napoleon Copper Mine	Calaveras County.
Oct. 22, 1873.	North Fork Mining Company's Mine and mill-site	Plumas County.
Oct. 29, 1873.	North Extension Sumner Gold and Silver Mine	Kern County.
Apr. 18, 1873.	North Extension Rocky Bend Quartz Mine	El Dorado County.
Aug. 29, 1873.	Osborn Placer Mine	Trinity County.
Jan. 14, 1874.	Ohio Borax Mine	San Bernardino County.
June 11, 1874.	Omega Table Mountain Gravel Mine	Tuolumne County.
July 10, 1873.	Piety Hill Placer Mine	Shasta County.
Aug. 13, 1873.	Phoenix East Quartz Mine	Amador County.
Aug. 25, 1873.	Pilot No. 1 Placer Mine	Sierra County.
Sept. 9, 1873.	Paducah Placer Mine	Tuolumne County.
Nov. 18, 1873.	Providence Hill Placer Mine	Plumas County.
Jan. 13, 1874.	Pacific Placer Mine	Placer County.
Feb. 2, 1874.	Pioneer Placer Mine	Klamath County.
Apr. 20, 1874.	Pine Tree Quartz Mine	Calaveras County.
Apr. 30, 1874.	Pyramid Gold and Silver Quartz Mine	El Dorado County.
Apr. 30, 1874.	Pacific Quicksilver Mine	Lake County.
May 16, 1874.	Pelleton Placer Mine	Calaveras County.
June 24, 1874.	Pelton Placer Mine	El Dorado County.
July 15, 1873.	Rathgeb Quartz Mine	Calaveras County.
July 15, 1873.	Reconstruction Placer Mine	Placer County.
Sept. 12, 1873.	Raw Hide Placer Mine	Tuolumne County.
Sept. 24, 1873.	Rood & Co. Placer Mine	Klamath County.
Oct. 10, 1873.	Rose & Duryea Gold Placer Mine	Nevada County.
Nov. 6, 1873.	Republic Quartz Mine	Do.
Mar. 17, 1874.	Rainbow Gold Mine and mill-site	San Bernardino County.
Mar. 21, 1874.	Rose Quartz Mine	El Dorado County.
Apr. 17, 1874.	Russian American Quartz Mine	Do.
June 16, 1874.	Ramona Quartz Mine	San Bernardino County.
July 18, 1873.	Sumpter Placer Mine	Placer County.
July 30, 1873.	Spring Hill East Extension Mine	Nevada County.
Aug. 30, 1873.	Stoddard Placer Mine	Trinity County.
Sept. 10, 1873.	Shawmut Quartz Mine and mill-site	Tuolumne County.
Sept. 18, 1873.	Small Hope Placer Mine	Placer County.
Sept. 26, 1873.	Starr Placer Mine	Nevada County.
Oct. 2, 1873.	Smith & Co. Placer Mine	Del Norte County.
Oct. 3, 1873.	San Felipe Quartz Mine	Inyo County.
Oct. 4, 1873.	Schmidt Placer Mine	Placer County.
Oct. 7, 1873.	Swamp Angel Placer Mine	Nevada County.
Oct. 12, 1873.	Spring Garden Placer Mine	Plumas County.
Nov. 20, 1873.	Smith Powell Placer Mine	Nevada County.
Jan. 13, 1874.	Sonoma Lode No. 3 Quicksilver Mine	Sonoma County.
Jan. 14, 1874.	Soladad Borax Mine	San Bernardino County.
Jan. 17, 1874.	Sonoma Lode No. 4 Quicksilver Mine	Sonoma County.
Jan. 19, 1874.	St. John Placer Mine	El Dorado County.
Jan. 20, 1874.	Sweeney Quartz Mine and mill-site	Tuolumne County.
Mar. 20, 1874.	Shanghai Quartz Mine	Do.
July 14, 1873.	Tuttle & Co. Placer Mine	Del Norte County.
July 23, 1873.	Tong Quartz Mine	El Dorado County.
Apr. 20, 1874.	Taylor Quartz Mine	Do.
June 18, 1874.	Tres Amigos Quicksilver Mine and mill-site	San Luis Obispo County.
July 18, 1873.	Union Copper Mine	Del Norte County.
July 31, 1873.	U. S. Quartz Mine and mill-site	Placer County.
Sept. 22, 1873.	Union Hill Placer Mine	Trinity County.
Oct. 2, 1873.	Union Silver and Lead Mine	Inyo County.
Oct. 8, 1873.	U. S. Lode Mine	Do.
Feb. 12, 1874.	Ural Quicksilver Mine	Lake County.
Feb. 18, 1874.	Union Gold Bluff Mine	Klamath County.
Apr. 27, 1874.	U. S. Hydraulic Quartz Mine	Del Norte County.
Mar. 11, 1874.	Vincent Quartz Mine	Calaveras County.
July 19, 1873.	Wet Gulch and Chaparral Quartz Mine and mill-site	Do.
July 23, 1873.	Williams & Hawes Placer Mine	Do.
Aug. 21, 1873.	Weske No. 2 Placer Mine	Placer County.
Sept. 6, 1873.	Wittekind Silver Quartz Mine	Inyo County.
Feb. 11, 1874.	Woodville Placer Mine	Nevada County.
Feb. 16, 1874.	Wall Street Quicksilver Mine	Lake County.
Feb. 12, 1874.	Williams Placer Mine	Placer County.
May 22, 1874.	Well Rough Quartz Mine	Tuolumne County.
May 23, 1874.	White Mountain Quartz Mine	Amador County.
June 3, 1874.	Welch Quicksilver Mine	Contra Costa County.
Apr. 30, 1874.	Young America Placer Mine	Yuba County.

JAMES T. STRATTON,  
United States Surveyor-General for California.

D.—Statement of the number of miles surveyed in California during the fiscal year 1873-74.

Name of surveyor.	Date of con- tract.	Meridian.	Base.	Standard.	Township.	Section.	Meander.	Traverse.
Miles surveyed to June 30, 1873, as per last report.								
S. W. Smith.	Nov. 19, 1870	Mc. obs. lts. 772 54 68	Mc. obs. lts. 376 4 50	Mc. obs. lts. 4,844 27 18	Mc. obs. lts. 26,555 51 13	Mc. obs. lts. 106,463 36 84	Mc. obs. lts. 1,285 67 95	Mc. obs. lts. 2,755 59 34
William S. Powell.	Nov 15, 1871							
William P. Reynolds.	Feb. 13, 1872							
T. J. Dewoody.	Mar. 8, 1872							
William P. Reynolds.	Mar. 15, 1873							
William A. Pierce.	Apr. 5, 1873			2 60 00				
George B. Tolman.	Apr. 3, 1873							
F. T. Ripley.	July 17, 1873							
W. S. Lowden.	Aug. 31, 1873							
Hubbard Savage.	Sept. 6, 1873							
George B. Tolman.	Sept. 9, 1873							
R. F. Herrick.	Oct. 14, 1873			4 02 24				
F. J. Sasse.	Nov. 19, 1872							
William P. Reynolds.	Jan. 18, 1873							
John Goldsworthy.	Jan. 13, 1873							
William Minto.	Jan. 30, 1873							
John Goldsworthy.	Feb. 7, 1873							
R. F. Herrick.	Feb. 3, 1873							
George H. Ferrin.	Feb. 11, 1873			31 64				
George B. Tolman.	Feb. 14, 1873							
Hubbard Savage.	Feb. 24, 1873							
S. W. Smith.	Mar. 3, 1873							
William Minto.	Apr. 30, 1873			5 14 15				
William Minto.	May 25, 1873							
William Minto.	May 25, 1873							
Erza Carpenter.	May 20, 1873							
William H. Norway.	May 9, 1873			11 30				
William Minto.	June 28, 1873			35 57 60				
T. H. Ward.	June 30, 1873							
W. S. Lowden.	June 9, 1873							
H. H. Sandford.	June 28, 1873							
William Minto.	June 21, 1873							
T. J. Dewoody.	June 3, 1873							
Hubbard Savage.	July 25, 1873							
John Goldsworthy.	Aug. 9, 1873							
George B. Tolman.	Aug. 4, 1873							
John A. Benson.	Sept. 9, 1873							
H. M. Hayes.	Sept. 11, 1873							
H. S. Craven.	Sept. 20, 1873							
George Tucker.	Sept. 23, 1873							
Hubbard Savage.	Nov. 7, 1873							
Silas Broadwell.	Nov. 1, 1873							
E. J. Cahill.	Dec. 11, 1873							

\* Instructions.

D.—Statement of the number of miles surveyed in California during the fiscal year 1873-74—Continued.

Name of surveyor.	Date of contract.	Meridian.	Base.	Standard.	Township.	Section.	Meander.	Traverse.
W. H. Norway.....	Dec. 15, 1873	Me. chs. lks.		Me. chs. lks.	Me. chs. lks.	Me. chs. lks.	Me. chs. lks.	Me. chs. lks.
R. F. Herick.....	Dec. 29, 1873				2 00 00	21 27 69	19 33 34	
George E. Tolman.....	Apr. 1, 1873		4 00 00		4 00 00	15 17 60		
William Minto.....	Apr. 8, 1873				10 78 89	15 32 77	19 07 72	
William Minto.....	Apr. 30, 1873			2 00 00		20 15 74		
William H. Norway.....	Apr. 21, 1873					12 19 94		
K. J. Sæge.....	Nov. 19, 1872			4 49 32		16 71 54		
A. H. Ward.....	Sept. 4, 1873				9 69 96	149 22 21		
William Minto.....	Sept. 4, 1873				30 19 76	316 67 60		
John Goldsworthy.....	Nov. 19, 1873				77 43 86	27 04 49	11 09 21	
W. H. Norway.....	Oct. 30, 1873					4 16 15	3 25 65	
W. A. Pierce.....	Aug. 16, 1873			18 40 00	67 23 63	203 31 30		
Ephraim Dyer.....	Sept. 30, 1873					2 00 00		
Max Strobel.....	June 22, 1868				56 04 47	135 35 14		
William H. Carlton.....	Mar. 14, 1874				5 50	28 17 92	1 40 00	
H. C. Holmes.....	Aug. 28, 1873			3 04 69	40 00	308 65 44	33 45 99	
J. M. Anderson.....	Aug. 4, 1873			7 17 69	57 71 70	300 20 54		
Total miles surveyed to June 30, 1874.....		772 54 68	380 04 50	4, 936 22 86	27, 370 76 03	109, 363 29 76	1, 505 74 14	2, 755 59 34

\* Instructions October 25, 1873.

JAS. T. STRATTON,  
United States Surveyor-General for California.

E.—List of lands surveyed in California from June 30, 1873, to June 30, 1874.

No. of township surveyed.	Description.	Meridian.	Public land.					A.	B.	C.	D.	E.	F.	Remarks.	Total.
			Acres.	Acres.	Acres.	Acres.	Acres.								
1a	Township 1 north, range 1 east.	Mount Diablo.	23,966.54											Acres.	23,966.54
2	Township 5 north, range 13 east.	do	23,349.73												23,349.73
3	Township 5 north, range 14 east.	do	22,920.69												22,920.69
4	Township 5 north, range 15 east.	do	23,004.80												23,004.80
5a	Township 6 north, range 6 east.	do	3,491.70	A							1,980.00			{ A + Cosumnes River. } { 18,965.35 }	23,037.05
6	Township 6 north, range 14 east.	do	23,085.79												23,085.79
7	Township 6 north, range 15 east.	do	23,121.28												23,121.28
8	Township 9 north, range 13 east.	do	23,307.34												23,307.34
9	Township 10 north, range 13 east.	do	22,041.15												22,041.15
10	Township 11 north, range 12 east.	do	22,933.56												22,933.56
11	Township 11 north, range 13 east.	do	23,285.05												23,285.05
12	Township 12 north, range 12 east.	do	23,558.36												23,558.36
13	Township 13 north, range 9 east.	do	19,167.13							3,180.00					22,947.13
14a	Township 16 north, range 4 east.	do	13,191.71	9,636.30											22,867.14
15a	Township 16 north, range 5 east.	do	21,222.80	A											21,039.40
16	Township 16 north, range 13 east.	do	23,038.68												23,038.68
17	Township 18 north, range 11 east.	do	20,250.09									3,300.00			23,550.09
18	Township 18 north, range 12 east.	do	23,015.60												23,015.60
19	Township 18 north, range 13 east.	do	19,167.92												19,167.92
20	Township 26 north, range 2 east.	do	23,106.31												23,106.31
21	Township 26 north, range 3 east.	do	19,163.89												19,163.89
22	Township 26 north, range 11 east.	do	1,933.77												1,933.77
23	Township 27 north, range 2 east.	do	10,254.54												10,254.54
24	Township 27 north, range 3 east.	do	3,054.54												3,054.54
25	Township 27 north, range 11 east.	do	1,285.58												1,285.58
26	Township 28 north, range 2 east.	do	23,053.74												23,053.74
27	Township 28 north, range 3 east.	do	16,044.60												16,044.60
28	Township 30 north, range 2 east.	do	20,698.65												20,698.65
29	Township 30 north, range 3 east.	do	13,274.53												13,274.53
30a	Township 7 north, range 4 west.	do	10,761.35												10,761.35
31a	Township 8 north, range 2 west.	do	18,625.95	1,757.15											20,698.65
32a	Township 9 north, range 6 west.	do	9,260.61	1,543.54											11,628.99

E.—List of lands surveyed in California from June 30, 1873, to June 30, 1874—Continued.

No. of township surveyed.	Description.	Meridian.	Public land.	A.	B.	C.	D.	E.	F.	Remarks.	Total.
			Acres.	Confirmed private land-claims.	Military reservation.	Indian reservation.	Unsurveyed mount-ain-land.	River, swamp, and overflowed land.	Unsurveyed public land.		Acres.
33	Township 9 north, range 8 west	Mount Diablo.	11, 117 12	A			D			A + D.	23, 427. 12
34	Township 10 north, range 10 west	do	10, 061 85	11, 732 90			564 65				23, 678. 80
35	Township 10 north, range 11 west	do	17, 471 72				5, 820 00				23, 351. 72
36	Township 10 north, range 14 west	do	13, 050 30	5, 446 20							18, 496. 40
37a	Township 11 north, range 2 west	do	22, 814 32	48 46			12, 566 42				22, 862. 78
38a	Township 11 north, range 8 west	do	7, 432 46	2, 972 00			D			D + Lake	22, 970. 88
38b	Township 12 north, range 8 west	do	14, 351 14				D	233 00		D + Clear	21, 523. 46
40c	Township 13 north, range 8 west	do	3, 333 23				D	40 00		Lake	23, 100. 11
41c	Township 13 north, range 11 west	do	13, 893 39				D			A + D	23, 042. 85
42	Township 15 north, range 14 west	do	14, 768 74				7, 799 00				22, 567. 74
43	Township 16 north, range 10 west	do	17, 285 65				5, 360 00				22, 645. 65
44	Township 16 north, range 13 west	do	22, 540 52				466 73				23, 016. 30
45a	Township 23 north, range 8 west	do	7, 060 78				15, 979 22				23, 040. 00
45b	Township 33 north, range 8 west	do	5, 319 86						17, 720 00		23, 039. 86
46	Township 33 north, range 10 west	do	1, 189 00						21, 850 91		23, 040. 00
47	Township 1 south, range 1 east	do	22, 027 46								23, 087. 46
48	Township 6 south, range 4 east	do	4, 200 00				19, 410 00				24, 210. 00
49	Township 6 south, range 5 east	do	14, 281 72				10, 560 00				24, 841. 72
50	Township 6 south, range 6 east	do	23, 081 76				D				23, 081. 76
51	Township 6 south, range 6 east	do	6, 557 96	A							23, 040. 00
52	Township 10 south, range 1 east	do	22, 603 65							A + D	23, 040. 00
53c	Township 11 south, range 20 east	do	15, 862 59							San Joaquin River	23, 033. 23
54c	Township 11 south, range 21 east	do	91, 021 16							A + D	23, 491. 44
56d	Township 12 south, range 19 east	do	21, 073 22				D			D + San Joaquin River	23, 776. 98
56d	Township 12 south, range 20 east	do	1, 042 39							San Joaquin River	23, 731. 86
57	Township 13 south, range 3 east	do	22, 038 31							San Joaquin River	23, 107. 20
58	Township 14 south, range 9 east	do	5, 572 37	6, 758 00			10, 240 00				22, 892. 97
59a	Township 14 south, range 24 east	do	91, 571 56				1, 670 71				23, 159. 05
59a	Township 14 south, range 24 east	do	22, 153 05								23, 159. 05
60c	Township 14 south, range 23 east	do	23, 042 03								23, 649. 03
61	Township 14 south, range 20 east	do	23, 321 19								23, 321. 19
62a	Township 15 south, range 23 east	do	23, 321 19								23, 321. 19



E.—List of lands surveyed in California from June 30, 1873, to June 30, 1874—Continued.

No. of township surveyed.	Description.	Meridian.	Public land.	A.	B.	C.	D.	E.	F.	Remarks.	Total.
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.		Acres.
115a	Township 8 north, range 16 west	San Bernardino	15,524.01	A						A + D	7,520.39
116a	Township 8 north, range 17 west	do	5,940.00	A					F	A + D	17,087.00
117a	Township 8 north, range 18 west	do	7,230.72	A					F	A + D	15,820.00
118	Township 8 north, range 19 west	do	9,960.00				D			A + F	23,040.72
119a	Township 9 north, range 16 west	do	18,887.53	A			22,080.00			A + D	23,040.00
120a	Township 9 north, range 17 west	do	4,616.00	A			D			A + D	4,711.05
121a	Township 9 north, range 18 west	do	8,508.61	A			D			A + F	23,047.80
122a	Township 9 north, range 19 west	do	11,130.00	14,127.44			428.00			A + F	23,063.05
123a	Township 10 north, range 15 west	do	8,760.21	A					F	A + F	23,091.30
124a	Township 10 north, range 16 west	do	6,757.15	A			D			A + D	23,040.00
125a	Township 10 north, range 17 west	do	23,020.91	A			D			A + D	23,106.33
126	Township 10 north, range 18 west	do	11,550.24	A			D			A + D	23,040.00
127a	Township 11 north, range 24 west	do	4,393.39				D			A + D	23,020.91
128	Township 12 north, range 24 west	do	3,074.94	11,610.43						A + D	23,160.67
129	Township 12 north, range 25 west	do	2,669.40							A + D	4,393.39
130	Township 12 north, range 26 west	do	7,839.47							A + D	3,074.94
131	Township 12 south, range 2 east	do	9,473.78	2,134.96			13,166.66			A + D	2,669.40
132	Township 16 south, range 1 east	do	19,037.20	4,586.71					9,083.60	A + D	23,141.09
133	Township 1 south, range 5 west	do	17,003.41	3,569.52					762.79	A + D	23,124.09
134	Township 1 south, range 6 west	do	6,403.73	17.75					5,498.84	A + D	23,069.51
135a	Township 2 south, range 7 west	do	3,230.80	16,482.00						A + D	22,920.00
136	Township 2 south, range 8 west	do	4,335.68							A + F	22,855.73
137a	Township 3 south, range 13 west	do	3,728.18	18,792.40						A + F	22,886.40
138	Township 6 south, range 7 west	San Bernardino	19,360.00	16,760.64						A + F	23,126.08
139	Township 8 south, range 8 west	do	22,399.30						1,309.68	A + F	23,088.18
140	Township 7 north, range 1 east	Humboldt	21,624.70							A + F	21,849.24
141a	Township 1 north, range 1 west	do	22,857.30				1,448.50			A + F	22,399.30
142a	Township 1 north, range 2 west	do	16,751.59				320.00			A + F	23,077.20
143a	Township 2 north, range 1 west	do	2,015,600.78	327,433.94			468,074.30	19,517.84	87,915.82	Eel River* 3,194.11	3,223,882.76
a	Aggregate.....		20,939.86				2,320.00			314,039.09	23,259.86
	Township 1 north, range 1 east.	Mount Diablo.									

a	Township 5 north, range 15 east.	10,560.00	A	12,430.00	1,280.00	F	A+river	17,300.00	22,990.00
a	Township 6 north, range 6 east.	4,457.05	A	39.13	1,774.89	F	A+F	14,724.55	22,037.05
a	Township 16 north, range 4 east	8,103.46							22,867.14
a	Township 16 north, range 5 east	21,284.51							22,059.40
a	Township 7 north, range 4 west.	9,961.35	1,737.15	11,727.40					22,445.90
a	Township 8 north, range 2 west.	18,146.95	299.99	4,820.00					22,198.94
a	Township 9 north, range 6 west.	8,497.00	1,543.54	12,492.00					22,469.54
a	Township 10 north, range 14 west.	5,374.40	5,442.00	7,680.00					18,498.70
a	Township 11 north, range 9 west.	1,728.36	A	18,218.42			A+D	11,234.91	22,953.27
a	Township 11 north, range 8 west.	4,752.48			E				22,070.88
a	Township 19 north, range 8 west.	13,951.46					D+E	8,978.00	21,539.92
a	Township 13 north, range 11 west.	11,673.85	A				A+D	11,076.00	23,049.95
a	Township 16 north, range 13 west.	13,437.28		9,598.60					23,036.18
a	Township 23 north, range 6 west.	3,437.93		13,690.22					23,040.00
a	Township 23 north, range 6 west.	3,440.00		18,290.40					23,040.00
a	Township 11 south, range 1 east.	6,458.22		16,586.68					23,040.00
a	Township 11 south, range 2 east.	17,349.60	A				A+F	5,760.00	23,108.89
a	Township 11 south, range 3 east.	12,186.14	A				A+F	19,040.00	23,040.00
a	Township 12 south, range 19 east.	13,616.14	A				A+F	8,973.20	22,827.54
a	Township 14 south, range 24 east.	10,214.20	A				A+F	12,683.06	22,807.26
a	Township 14 south, range 24 east.	11,536.72		11,503.28					23,040.00
a	Township 13 south, range 25 east.	3,361.60		19,078.40					23,171.31
a	Township 13 south, range 25 east.	6,992.31		14,173.00					23,129.66
a	Township 20 south, range 25 east.	7,469.66		15,646.00					23,038.95
a	Township 27 south, range 13 east.	18,245.39	4,793.36						23,038.94
a	Township 30 south, range 30 east.	23,028.64							23,105.55
a	Township 31 south, range 30 east.	23,095.89							23,095.89
a	Township 31 south, range 31 east.	8,350.22		14,720.00					23,050.23
a	Township 32 south, range 23 east.	21,936.85		1,040.00			Buena Vista } Lake.	78.96	23,055.81
a	Township 32 south, range 34 east.	14,437.31	8,060.00	870.00					23,367.31
a	Township 1 south, range 1 west.	106.35	A		E	F	A+E+F	22,873.65	23,040.00
a	Township 2 south, range 3 west.	52.63	A		E		A+E	22,957.37	23,040.00
a	Township 7 south, range 4 west.	14,968.45	A				A+E	8,118.15	23,066.60
a	Township 5 north, range 32 west	1,825.00	A	D			A+F	18,830.00	20,655.00
a	Township 8 north, range 16 west	16,324.40		6,720.00					23,044.40
a	Township 8 north, range 17 west.	14,150.20		8,876.80					23,027.00
a	Township 8 north, range 18 west.	22,896.99		16,000.00					23,040.00
a	Township 9 north, range 16 west.	7,040.00		8,490.00					23,058.58
a	Township 9 north, range 17 west.	14,567.80		161.59					23,047.80
a	Township 9 north, range 17 west.	7,355.38	A				A+D	15,707.67	23,063.65
a	Township 10 north, range 15 west	13,467.50		9,623.80					23,091.30
a	Township 10 north, range 15 west	4,960.00		18,090.00					23,106.33
a	Township 10 north, range 16 west.	17,982.79		5,123.54					23,040.00
a	Township 10 north, range 33 west	11,080.89	A				A+D	11,959.11	23,160.67
a	Township 11 north, range 32 west	23,160.67	A				A+F	18,230.00	22,985.78
a	Township 2 south, range 7 west.	4,655.78							23,122.06
a	Township 3 south, range 13 west.	3,624.69	19,503.39						

\* And unsurveyed mountain-land.

a Townships returned in previous reports, the areas of which are changed by subsequent surveys or amendments.



E.—List of lands surveyed in California from June 30, 1873, to June 30, 1874—Continued.

No. of township surveyed.	Description.	Meridian.	Public land.	A.	B.	C.	D.	E.	F.	Remarks.	Total.
			Acres.	Confirmed private land-claims.	Military reservation.	Indian reservation.	Unsurveyed mount-ain-land.	River, swamp, and overflowed land.	Unsurveyed public land.		Acres.
a	Township 1 north, range 1 west.	Humboldt	7, 045.20	.....	.....	.....	15, 984.80	.....	.....	.....	23, 040.00
a	Township 1 north, range 2 west.	do	22, 047.30	.....	.....	.....	960.00	.....	.....	.....	23, 007.30
a	Township 2 north, range 1 west.	do	12, 378.99	.....	.....	.....	D	E	.....	10, 661.01	23, 040.00
a	Returned in previous reports.	.....	614, 021.09	41, 329.43	.....	.....	301, 347.53	3, 094.02	.....	230, 425.66	1, 190, 217.73
a	Aggregate brought forward.	.....	2, 015, 600.79	327, 433.94	.....	.....	468, 074.30	19, 518.84	87, 915.82	314, 039.09	3, 232, 582.78
a	Returned in previous reports.	.....	614, 021.09	41, 329.43	.....	.....	301, 347.53	3, 094.02	.....	230, 425.66	1, 190, 217.73
	Aggregate	.....	1, 401, 579.70	286, 104.51	.....	.....	166, 726.77	16, 424.82	87, 915.82	83, 613.43	2, 042, 365.05

a Townships returned in previous reports, the areas of which are changed by subsequent surveys or amendments.

RECAPITULATION.

Acres public land surveyed .....	1, 401, 579. 70
Acres as per column A .....	286, 104. 51
Acres as per column D .....	166, 726. 77
Acres as per column E .....	16, 424. 82
Acres as per column F .....	87, 915. 82
Acres as per column remarks .....	83, 613. 43

Aggregate..... 2, 042, 365. 05

JAS. T. STRATTON,  
United States Surveyor-General for California.

F.—Plats made in the office of the United States surveyor-general for California during the fiscal year 1873-74.

Description.	Originals.	Department.	Register.	Posting-plats.	Skeleton maps.	General maps.	Total.
Plats of township-lines .....	9	7	.....	.....	.....	.....	16
Maps of subdivision-lines or amendments .....	152	141	258	.....	.....	.....	551
Plats of ranchos .....	9	12	.....	.....	49	.....	70
Plats of mining-claims .....	267	266	266	255	.....	.....	1, 054
Plats of Indian reservations .....	1	1	.....	.....	.....	.....	2
Addition to general map .....	1	.....	.....	.....	.....	.....	1
Aggregate number of maps made .....	.....	.....	.....	.....	.....	.....	1, 694

JAS. T. STRATTON,  
United States Surveyor-General for California.

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 fiscal year 1873-74.

Name of deputy.	Date of contract.	Number of transcripts.	When sent.
William Minto .....	Apr. 10, 1873	2	July 1, 1873
William Minto .....	Apr. 10, 1873	1	July 2, 1873
George B. Tolman .....	June 3, 1872	3	July 3, 1873
William P. Reynolds .....	Mar. 15, 1872	1	July 7, 1873
Hubbard Savage .....	Feb. 24, 1873	2	July 14, 1873
William Minto .....	Jan. 30, 1873	1	July 14, 1873
S. W. Smith .....	Mar. 5, 1873	1	July 15, 1873
George B. Tolman .....	Apr. 11, 1873	2	July 18, 1873
William Minto .....	Apr. 30, 1873	2	July 26, 1873
T. J. Dewoody .....	Mar. 8, 1872	1	July 26, 1873
F. J. Saxe .....	Nov. 19, 1872	1	Aug. 7, 1873
George B. Tolman .....	Feb. 14, 1873	1	Aug. 7, 1873
William S. Powell .....	May 15, 1871	1	Sept. 25, 1873
T. J. Dewoody .....	June 3, 1873	1	Sept. 25, 1873
John Goldsworthy .....	Jan. 13, 1873	1	Sept. 26, 1873
George B. Tolman .....	Sept. 2, 1872	2	Sept. 26, 1873
George H. Perrin .....	Feb. 11, 1873	2	Sept. 27, 1873
F. J. Saxe .....	Nov. 19, 1872	2	Sept. 30, 1873
William H. Norway .....	May 9, 1873	2	Sept. 30, 1873
Ezra Carpenter .....	May 20, 1873	2	Oct. 4, 1873
Ebenezer Hadley .....	Sept. 6, 1872	1	Oct. 6, 1873
W. S. Lowden .....	June 9, 1873	3	Oct. 6, 1873
William Minto .....	June 21, 1873*	1	Oct. 9, 1873
Ephraim Dyer .....	June 26, 1873	9	Oct. 10, 1873
Rufus F. Herrick .....	Feb. 3, 1873	1	Oct. 13, 1873
John Reed .....	July 10, 1873*	1	Oct. 14, 1873
George Tucker .....	Apr. 22, 1873*	1	Oct. 14, 1873
William A. Pierce .....	Apr. 5, 1872	1	Oct. 14, 1873
John Goldsworthy .....	Feb. 7, 1873	1	Oct. 17, 1873
John Goldsworthy .....	Aug. 9, 1873	1	Oct. 23, 1873
William P. Reynolds .....	Jan. 18, 1873	1	Oct. 23, 1873

\* Date of instructions.

## G.—Statement of transcripts of field-notes of public surveys, &amp;c.—Continued.

Name of deputy.	Date of contract.	Number of transcripts.	When sent.
W. S. Lowden .....	Oct. 27, 1873	2	Oct. 27, 1873
Robert R. Harris .....	June 3, 1873*	1	Oct. 28, 1873
W. A. Pierce .....	Sept. 30, 1873*	1	Oct. 30, 1873
William Minto .....	May 28, 1873	2	Nov. 10, 1873
S. W. Smith .....	Nov. 19, 1870.	1	Jan. 2, 1874
W. H. Norway .....	Dec. 15, 1873	2	Mar. 9, 1874
W. H. Norway .....	Aug. 16, 1873	17	Apr. 27, 1874
E. J. Cahill .....	Dec. 11, 1873	1	Apr. 29, 1874
John A. Benson .....	Nov. 19, 1873	1	Apr. 29, 1874
H. C. Holmes .....	Aug. 28, 1873	8	May 5, 1874
William Minto .....	June 28, 1873	5	May 8, 1874
T. H. Ward .....	Apr. 14, 1873	6	May 12, 1874
William Minto .....	Sept. 4, 1873	14	May 18, 1874
J. M. Anderson .....	Aug. 4, 1873	9	May 25, 1874
W. H. Carlton .....	Mar. 14, 1874	1	June 3, 1874
Total .....		113	

\* Date of instructions.

JAS. T. STRATTON,  
United States Surveyor-General for California.

## H.—Statement of descriptive notes, decrees of court, &amp;c., of private claims to accompany plats for patents, compiled for transmission to the Department at Washington during the fiscal year 1873-74.

When sent.	Papers transmitted.	Name of claim.	To whom confirmed.
Sept. 24, 1873	Transcript of proceedings before land-commission; decree of United States district court and mandate of Supreme Court; transcript of field-notes; depositions; argument; tracing of United States Presidio reservation; briefs; notice; proof of publication; opinion, &c.	Oi de Awgua de Figueroa	Juana Briones de Miranda <i>et al.</i>
Sept. 25, 1873	Plat of survey; five skeleton-maps; descriptive notes; decrees.	Rancho Balsa Nuevo y Moro Cojo.	Maria Antonio Pico De Castro <i>et al.</i>
Oct. 20, 1873	Plat; six skeleton plats; descriptive notes; decree of board of land-commissioners; order vacating order of appeal; copy <i>desiño</i> Lompoc.	Rancho Lompoc .....	Joaquin and José Antonio Carrillo.
Oct. 2, 1873	Plat of survey; two skeleton-plats; decree; descriptive notes, &c.	Mission Viega la Purissima.	J. S. Alemany.
Oct. 18, 1873	Plat of survey; four skeleton-plats; descriptive notes; decrees.	Rancho Ex-Mission de Soledad.	Feliciana Solranes.
Oct. 31, 1873	Letters; exhibits; exhibits from A to O inclusive; traced map; certificate of publication; descriptive notes; affidavits, maps, &c.; opposition of Thomas Underwood to survey; affidavits, deeds, &c.; copy of lease; opposition of Alex. Mathews to survey; map showing central portion of rancho, &c.; briefs; exhibits from D to P, inclusive.	Rancho Corral de Tiena.	F. G. Polomares, heirs of.
Nov. 22, 1873	Tracing of survey of Cuyama No. 1; field-notes of same; tracing of survey of Cuyama No. 2; field-notes of same; protests; briefs; testimony; exhibits from F to I, inclusive; copy of <i>desiño</i> Los Priestos y Najalayega; tracing; cut of advertisement Cuyama No. 1; decree of confirmation; translation of original title-papers in Cuyama No. 1; copy of <i>desiño</i> Cuyama No. 1; plats filed with Godoy's protest; copy of <i>desiño</i> filed with Godoy's protest; exhibits from 1 to 7, inclusive; translation of Cuyama No. 2; surveyor-general's opinion, &c.	Rancho Cuyama .....	Maria Antonio de la Guerra and Lalalade.

## H.—Statement of descriptive notes, decrees of court, &amp;c.—Continued.

When sent.	Papers transmitted.	Name of claim.	To whom confirmed.
Dec. 1, 1873	Contestant's objection; decree of confirmation; notice; statement; petition to United States land-commissioner; decree or map expediente; depositions; opinion, Hoffman; Bosa Nueva y Mesa Cojo; Los Satos or Santa Rita; Sansal diem natividad; field-notes; deslifo; notice; opinion; proceedings before commissioner; surveyor-general's report.	Rancho Balsa de Escarpinos.	Salvador Espinoza.
Dec. 6, 1873	Plat of survey; descriptive notes and decrees; translation; two skeleton-plats; certificate of advertisement; opinion.	Rancho Los Penasquitos.	Francesco Maria Alvarado.
Dec. 13, 1874	Plat of survey; skeleton-plats; descriptive notes and decrees; opinion; stipulation; certificate of advertisement; protests; decree; exceptions to survey; argument; tracing; record of proceedings before United States commissioner.	Los Coyotes .....	Andros Pico <i>et al.</i>
Dec. 13, 1873	Plat of survey; six skeleton-plats; descriptive notes and decrees; opinion; stipulation; certificates of advertisement; protests; argument; exceptions; stay of proceedings; tracing; translation.	Los Alamitos .....	Abel Stearns.
Jan. 7, 1874	Plat of survey; skeleton-plat; descriptive notes; certificate of advertisement.	La Purissima .....	J. S. Alemany.
Feb. 18, 1874	Plat of survey; ten skeleton-maps; descriptive notes; certified copy of advertisement; decree.	Pueblo of San Diego....	President and trustees, city of San Diego.
May 20, 1874	Tracing of survey made in 1872; field-notes of same; translation; protests; withdrawal of protest; evidence taken by United States commissioner; copy of commissioner's decision; opinion; certificate of advertisement.	Bocca de la Playa .....	Emigdio Vegar.
May 26, 1874	Plat of survey; four skeleton-plats; descriptive notes and decrees of court.	Rancho San José.....	Juan E. Alvarado <i>et al.</i>
June 26, 1874	Plat of survey; copy of deputy surveyor's bonds; tracings; report of R. C. Hopkins; letters; decision of L. Upson, United States surveyor-general; decision of Sherman Day, United States surveyor-general; decisions of J. R. Hardenbergh, surveyor-general; deeds; affidavits; protests; receipts; instructions to deputy surveyor; surveyor-general's opinion (Stratton); field-notes, &c.	Rancho Los Priestos y Najal Ayegua.	Dominguez.
June 29, 1874	Plats and field-notes of survey; decree of confirmation; order dismissing appeal; certificate of advertisement; protests; testimony; briefs; two copies Pacific Law Reporter; report of R. C. Hopkins; translation of original title-papers; surveyor-general's report; instructions to deputy surveyors; decree of confirmation; copy deslifo.	Rancho Huasana .....	Isaac Sparks.
Mar. 18, 1874	Descriptive notes, decrees, plat, &c....	Las Bolsas .....	Yorba,
Apr. 10, 1874	Descriptive notes, decrees, plat, &c....	La Bolsa Chica .....	Josquin Reiz.
May 26, 1874	Plat, field-notes, descriptive notes, &c....	San Antonio .....	M. A. Peralta.
Aug. 12, 1873	Map, descriptive notes, decrees, &c....	Cañada de la Carpentena	Josquin Soto.
Sept. 18, 1873	Testimony taken in contested survey..	Cañada de San Vicente	William Forbes.
Sept. 26, 1873	Plat, descriptive notes, decrees, &c....	y Mesa del Padre Baron.	Domingo Yorba.
Jan. 8, 1874	Plat and papers .....	Rancho Cañada de Salsipuedas.	Jno. Keyes.
Oct. 21, 1873	Plat, field-notes, &c....	Ex-Mision Soledad....	Feliciano Soberanes.
July 26, 1873	Plat of survey, skeleton-plats, and descriptive notes.	Rancho Punta de la Laguna.	Luis Arelanes <i>et al.</i>
Jan. 17, 1874	Descriptive notes.....	Rancho San Bernardo...	Soberanes.

JAS. T. STRATTON,  
United States Surveyor-General for California.

I.—Statement of special deposits for the survey of public lands in California during the fiscal year 1873-74.

Name of depositor.	Date of deposit.	Amount of deposit.				Name of deputy.	Location of survey.	Meridian.	Remarks.
		Surveys.		Salaries.					
		Individual amounts.	Totals.	Individual amounts.	Totals.				
J. W. Corless	July 9, 1873			\$5 00	\$5 00	John Reed	Township 7 south, range 2 west	Mount Diablo	
Amos Saffin	July 22, 1873	\$107 00		25 00	25 00	Hubbard Savage	Township 15 north, range 14 west	do	
J. C. Tinsall	do	175 00		25 00	25 00	do	do	do	
Joseph N. Odeaba	do	175 00	\$564 00	25 00	100 00	do	do	do	
William Stephens	do	21 25		12 00	12 00	G. W. Lewis	Township 9 north, range 32 west	do	
T. W. Holmes	July 23, 1873	21 25	42 50	12 00	24 00	do	do	San Bernardino	
J. J. Holloway	do	96 00		30 00	30 00	do	do	do	
Henry Miller	Aug. 4, 1873	358 00	756 00	60 00	150 00	S. W. Smith	Township 19 south, range 11 east	Mount Diablo	
Henry Miller	do	358 00	756 00	60 00	150 00	do	do	do	
Central Pacific R. R. Co.	Aug. 7, 1873	500 00	500 00	100 00	100 00	do	Township 20 south, range 11 east	do	
Hannah E. Lee	Aug. 8, 1873	60 00	60 00	23 00	23 00	do	Township 19 south, range 10 east	do	
Hannah Gorman	Aug. 9, 1873	60 00	60 00	23 00	23 00	do	List dated July 25, 1873	do	
Ira Underwood	Aug. 20, 1873	90 00	180 00	30 00	30 00	John Goldsworthy	Township 2 south, ranges 3 & 4 west	do	
J. M. Hardin	do	90 00	180 00	30 00	30 00	H. S. Craven	Township 8 north, range 19 west	do	
J. H. Bostwick	Sept. 22, 1873	12 00	24 00	5 00	10 00	do	Township 11 north, range 8 west	do	
T. J. Tucker	Sept. 30, 1873	12 00	24 00	5 00	10 00	George Tucker	Township 12 north, range 8 west	do	
James Dixon	Oct. 20, 1873	240 50	240 50	60 00	60 00	W. A. Pierce	Township 7 north, range 4 west	do	
Peter Donnelly	Oct. 21, 1873	123 50	123 50	20 00	20 00	Charles B. Thomas	Township 11 north, range 15 west	do	
Patrick Ragan	do	123 50	123 50	20 00	20 00	S. W. Smith	Township 10 south, range 5 east	do	
Thomas Turner	do	123 50	123 50	20 00	20 00	do	do	do	
Peter Turner	do	123 50	123 50	20 00	20 00	do	do	do	
Matthew Eadie	do	123 50	123 50	20 00	20 00	do	do	do	
John Kichham	do	123 50	741 00	20 00	100 00	do	do	do	
George Wright	do	48 75	97 50	20 00	40 00	do	Township 3 south, range 13 west	San Bernardino	
R. R. Wright	do	185 00	370 00	15 00	30 00	do	do	do	
Michael J. Smith	Nov. 7, 1873	185 00	370 00	15 00	30 00	Hubbard Savage	Township 16 north, range 13 west	Mount Diablo	
William O. Pits	do	185 00	370 00	15 00	30 00	do	do	do	
Jacob Gravel	Nov. 13, 1873	200 00	50 00	50 00	50 00	H. M. Hayes	Township 11 south, range 9 east	do	
James C. Gruwel	do	150 00	654 00	10 00	10 00	do	do	do	
E. F. Gruwel	do	200 00	654 00	10 00	10 00	do	do	do	
E. H. Gruwel	do	190 00	436 50	15 00	15 00	John A. Benson	Township 10 north, range 10 west	do	
T. W. Freeman	do	146 50	436 50	15 00	15 00	do	do	do	
C. P. Moore	do	100 00	436 50	15 00	15 00	do	do	do	
Edw. Winder	Nov. 23, 1873	125 00	436 50	15 00	15 00	do	Township 16 north, range 10 west	do	
W. W. Meredith	do	125 00	436 50	15 00	15 00	do	do	do	

W. Smith.....	do	120 00	285 00	15 00	30 00	do	do	do
M. B. Geoford.....	Dec. 2, 1873	100 00	100 00	15 00	10 00	Township 7 north, range 4 west.	do	do
Samuel Totten.....	Dec. 3, 1873	100 00	100 00	15 00	10 00	Township 10 north, range 14 west.	do	do
John C. Beatty.....	do	100 00	200 00	16 66	30 00	do	do	do
D. G. Anderson.....	do	162 00	162 00	16 67	do	Township 29 north, range 1 east.	do	do
A. C. Owen.....	do	162 00	162 00	16 67	do	do	do	do
W. M. Adams.....	do	162 00	162 00	16 67	do	do	do	do
John A. Morgan.....	do	162 00	162 00	16 67	do	do	do	do
A. A. Kaufman.....	do	162 00	162 00	16 67	do	do	do	do
Thomas B. Hickman.....	do	162 00	972 00	16 66	100 00	do	do	do
E. F. Donnelly.....	Dec. 10, 1873	264 00	264 00	40 00	40 00	Township 14 south, range 9 east	do	do
Nathan Dibbles.....	Dec. 26, 1873	500 00	500 00	30 00	30 00	Township 5 south, ranges 32 & 33 w	San Bernardino	do
Abraham Harbut.....	Dec. 28, 1873	47 00	47 00	15 00	15 00	Township 1 north, range 9 west	Humboldt	do
John Barker.....	Jan. 8, 1874	30 00	30 00	30 00	30 00	Township 2 south, range 13 west.	San Bernardino.	do
Central Pacific R. R. Co.....	Jan. 12, 1874	370 00	370 00	30 00	30 00	do	do	do
C. S. Neal.....	Jan. 22, 1874	175 00	175 00	25 00	25 00	Townships 6 & 7 south, range 7 east	Mount Diablo.	do
D. Mandell.....	do	175 00	175 00	25 00	25 00	do	do	do
J. D. Frey.....	do	175 00	175 00	25 00	25 00	do	do	do
Y. F. Amstedt.....	do	175 00	175 00	25 00	25 00	do	do	do
W. L. Wall.....	do	304 00	1,179 00	35 00	160 00	do	do	do
C. L. Rogers.....	do	90 00	90 00	75 00	75 00	do	do	do
Central Pacific R. R. Co.....	Feb. 3, 1874	90 00	90 00	30 00	30 00	Township 15 north, range 16 west.	Mount Diablo.	do
Franz Maybaum.....	Feb. 5, 1874	245 00	245 00	30 00	30 00	Township 4 south, range 6 west.	San Bernardino.	do
E. S. Girard.....	Feb. 13, 1874	200 00	200 00	50 00	50 00	do	do	do
William Hoag.....	do	200 00	645 00	10 00	10 00	do	do	do
W. L. Howard.....	do	200 00	153 00	30 00	30 00	Township 10 south, range 1 east	Mount Diablo.	do
E. L. Zoeller.....	Mar. 3, 1874	130 00	130 00	50 00	50 00	Township 6 south, range 22 east	do	do
William H. Thurman.....	Mar. 7, 1874	180 00	180 00	50 00	50 00	do	do	do
James Dickenson.....	do	180 00	180 00	50 00	50 00	do	do	do
Michael Baker.....	do	180 00	180 00	50 00	50 00	do	do	do
Richard Fry.....	do	180 00	180 00	50 00	50 00	do	do	do
W. Speckman.....	do	180 00	900 00	50 00	100 00	do	do	do
S. G. Thompson.....	do	100 00	52 00	52 00	52 00	Township 10 north, range 8 west.	do	do
James F. Stuart.....	Mar. 23, 1874	100 00	100 00	52 00	52 00	do	do	do
W. S. Bartlett.....	do	100 00	400 00	25 00	100 00	do	do	do
J. G. Thompson.....	do	100 00	400 00	25 00	100 00	do	do	do
James Moreno.....	Apr. 6, 1874	11 00	11 00	20 00	20 00	Township 10 south, range 4 east	do	do
David Zuck.....	do	80 00	80 00	40 00	40 00	do	do	do
Jose Lucero.....	do	80 00	171 00	10 00	10 00	do	do	do
H. C. Farquharson.....	Apr. 10, 1874	32 00	32 00	10 00	10 00	Township 7 south, range 6 east	do	do
D. C. Bryan.....	do	32 00	156 00	19 00	30 00	do	do	do
Edw. M. Frey.....	do	100 00	100 00	40 00	40 00	do	do	do
John C. Dameron.....	do	200 00	200 00	40 00	40 00	do	do	do
Hiram Briggs.....	Apr. 27, 1874	200 00	400 00	30 00	30 00	do	do	do
Frank Briggs.....	do	200 00	400 00	30 00	30 00	do	do	do
Ischabod Harlow.....	do	35 00	35 00	30 00	30 00	Township 10 north, range 14 west.	do	do
Asher E. Marcy.....	do	404 00	394 00	10 00	40 00	Township 12 south, range 1 west.	do	do
George W. Mendenhall.....	do	190 00	394 00	10 00	40 00	do	do	do
Charles H. Wyman.....	Apr. 29, 1874	39 00	39 00	25 00	25 00	Town-site of Alta	San Bernardino.	do
B. V. Sargent.....	May 4, 1874	108 00	108 00	60 00	60 00	Township 16 south, range 1 west.	Mount Diablo.	do
Thomas Luke Reilly.....	May 8, 1874	42 00	42 00	30 00	30 00	Township 1 north, range 6 west.	do	do
W. S. Barlow.....	May 20, 1874	42 00	42 00	30 00	30 00	Township 13 north, range 2 east	do	do

List No. 11, Jan. 7, 1874.

List No. 12, Jan. 31, 1874.

I.—Statement of special deposits for the survey of public lands in California, &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.				
Henry T. Weiland	do.	\$27 00		\$30 00		George B. Lyman	Township 8 north, range 5 west.	do	
Thomas Johnson	do.	87 00		15 00		do	do	do	
John Hartley	do.	87 00	\$281 00	50 00	\$50 00	S. W. Foreman	Township 1 south, range 2 west.	Humboldt.	
F. J. Baker	May 22, 1874	110 00		15 00		do	do	do	
William Haring	do.	85 00		15 00		do	do	do	
William Manson	do.	85 00	\$20 00	15 00	50 00	C. T. Healy	Township 9 south, range 1 east.	do	
James R. Padua	June 2, 1874	135 00	100 00	30 00	30 00	J. A. Benson	Land in 1813, selected by C. P. R.	Mount Diablo.	
Central Pacific R. R. Co.	June 3, 1874	198 00	186 00	34 00	34 00	do	Township 15 north, range 4 west.	Mount Diablo.	
A. Glotzbach	June 4, 1874	95 00	25 00			do	Township 16 north, range 9 west.	do	
Dwight McLean	do.	180 00		50 00		do	do	do	
A. J. Alley	do.	90 00		10 00		do	do	do	
Sarah Mathin	do.	50 00		1 80		John A. Benson	do	do	
Stuart H. Alley	do.	50 00	135 00	13 00	50 00	do	do	do	
J. C. Brudley	June 6, 1874	60 00	60 00	13 00	15 00	L. B. Healy	Township 22 north, range 2 west.	do	
Patrick McDonough	June 26, 1874	105 00		30 00		Extra Carpenter	Township 25 south, range 9 east.	do	
Edw. McDonough	do.	105 00	\$10 00	30 00	40 00	do	do	do	

JAS. T. STRATTON,  
United States Surveyor-General for California.

J.—Statement of special deposits for the survey of mining-claims in California during the fiscal year 1873-74.

Name of surveyor.	Name of depositor.	Date of deposit.	Deposit for salaries.	Name of mine.	Location of mine.	Remarks.
A. B. Beauvais.	A. B. Preston.	July 2, 1873	\$4 00	Mooney Quartz mine.	Tuolumne County	
W. S. Lowden	A. H. Marshall and J. C. Mason.	do	40 00	Union Hill Placer mine.	Trinity County	
Samuel Bethell	L. S. Taylor.	July 3, 1873	40 00	S. L. Hunt Quartz mine.	El Dorado County	
H. H. Sandford	N. E. Whiteside.	do	40 00	Mooney Flat Hydraulic Placer mine.	Nevada County	
E. C. Uren.	Benjamin E. Reasoner et al.	July 7, 1873	40 00	Union Company's Placer mine.	do	
John A. Benson.	A. A. Pond.	do	50 00	Elliott, Humphrey & Baznett Consolidated Placer mine.	Placer County	
R. B. Thomas	J. B. Campbell	do	40 00	Hite Quartz mine.	Mariposa County	
A. B. Beauvais.	Jos G. Eastland	do	40 00	Fritz Quartz mine.	Calaveras County	
Do	Jos G. Eastland	do	40 00	Lightner Quartz mine.	do	
Louis Castro.	Newton Ingram.	July 8, 1873	40 00	Alameda Quartz mine.	do	
Do	do	do	40 00	Vinecent Quartz mine.	do	
Do	do	do	40 00	Pine Tree Quartz mine.	do	
Frederick Moro.	Rose & Duryea.	do	40 00	Rose & Duryea Quartz mine.	Nevada County	
John A. Benson.	A. Condon.	July 11, 1873	40 00	Willow Hill.	Placer County	
Do	C. W. French.	do	30 00	Empire & Empire Placer mine.	Sacramento County	
William Magee	H. Powell.	July 15, 1873	40 00	Chitwood Placer mine.	Nevada County	
James T. Stratton.	Camden & Chitwood.	July 17, 1873	40 00	Fourth of July Placer mine.	Shasta County	
Do	Mullan & Hyde.	do	35 00	Easton Quicksilver mine.	Monterey County	
Do	do	do	35 00	Andy Johnson Quicksilver mine.	do	
W. I. McKim.	W. I. McKim.	do	40 00	Hendrick Quartz Mine.	Amador County	
J. P. Dart.	George K. Porter.	July 24, 1873	40 00	Dunderberg Quartz mine.	Monterey County	
H. S. Bradley.	J. W. Anderson.	July 28, 1873	35 00	Horn State Gold Quartz mine.	Nevada County	
J. M. Anderson.	J. W. Shanklin.	July 30, 1873	40 00	Woodside Quartz mine.	El Dorado County	
H. S. Craven.	W. H. Bertrand.	Aug. 7, 1873	40 00	Empire Tunneling Company mine.	Linyo County	
Do	William Crapo.	do	40 00	Union States Quartz mine.	do	
William L. McKim.	John Keys.	do	40 00	South Key Stone mine.	Amador County	
E. C. Uren.	Thomas E. Ludlum.	Aug. 8, 1873	40 00	La Grande Tunnel mine.	Placer County	
Do	do	do	50 00	Cedar Creek Placer mine.	do	
Do	do	do	50 00	Fraser & Alexander Placer mine.	Nevada County	
N. C. Miller.	Niles Searies.	do	40 00	National Quartz.	do	
E. T. Gray.	J. S. Purger.	do	40 00	Burger mine.	Butte County	
H. H. Sandford.	W. B. Jones.	Aug. 11, 1873	40 00	Jones & Howell Placer mine.	Siskiyou County	
A. M. Cooper.	William E. Reeve.	Aug. 14, 1873	45 00	China Creek Placer mine.	Del Norte County	
L. F. Cooper.	D. Bigelow.	Aug. 18, 1873	50 00	Bigelow Quartz mine.	Butte County	
L. E. Ure.	Dodson & Co.	Aug. 20, 1873	40 00	Kickapoo Placer mine.	Sierra County	
H. H. Sandford.	Pioneer Placer Mining Company.	Aug. 21, 1873	35 00	Pioneer Placer mine.	Plumas County	
J. S. Murray.	J. W. Crawford.	do	40 00	Maxwell Hydraulic mine.	Placer County	Additional deposit.
I. A. Benson.	Michael Schmidt.	Aug. 25, 1873	40 00	Schmidt Placer mine.	Placer County	
E. A. Uren.	G. A. Frick.	Aug. 26, 1873	40 00	Swamp Angel Placer mine.	Nevada County	
W. S. Lowden	Joseph McCallivray.	do	25 00	McCallivray Placer mine.	Trinity County	Additional deposit.
J. M. Anderson	John Blair.	Aug. 27, 1873	30 00	Bobby Burns Quartz.	El Dorado County	



## J.—Statement of special deposits for the survey of mining-claims in California during the fiscal year 1873-74—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Deposit for salaries.	Name of mine.	Location of mine.	Remarks.
H. S. Craven.....	Morris Jacobson.....	Aug. 27, 1873	\$40 00	Emerald.....	Lake County.....	
Do.....	do.....	do.....	40 00	Leota Quicksilver.....	do.....	
Do.....	do.....	do.....	40 00	Alice May Quicksilver.....	do.....	
Do.....	do.....	do.....	40 00	Coral Quicksilver.....	do.....	
Do.....	A. Peachy.....	Aug. 22, 1873	40 00	Giltner mine.....	Mariposa County.....	
Do.....	Frost & Rutherford.....	Sept. 1, 1873	40 00	Frost & Rutherford.....	Battle County.....	
John A. Benson.....	J. A. Benson.....	Sept. 8, 1873	25 00	Elliot, Humphrey & Bazett Consol- dated.....	Placer County.....	
F. Moro.....	Durree & Rose.....	Sept. 9, 1873	40 00	Rose & Durree Placer.....	Nevada County.....	
W. P. Reynolds.....	S. Haley.....	Sept. 10, 1873	40 00	Green Lead.....	San Bernardino County.....	
Alfred Craven.....	A. D. Green.....	Sept. 11, 1873	40 00	Content Gold and Silver.....	Kern County.....	
Do.....	Charles L. Strong.....	do.....	40 00	North Extension of Sumner Gold and Silver.....	do.....	
Do.....	F. R. Burke.....	do.....	40 00	Commonwealth Gold and Silver.....	do.....	
C. T. Hoffman.....	Mark Zellerbach.....	Sept. 12, 1873	75 00	Bloomfield Hydraulic Placer.....	Nevada County.....	
A. B. Beauvais.....	C. Stephen Hill.....	do.....	40 00	Napoleon Copper.....	Calaveras County.....	
J. S. Murray.....	S. Greenbaum.....	Sept. 15, 1873	50 00	Union Gold Bluff Placer.....	Klamath County.....	
G. F. Deetkin.....	Michael McDonough et al.....	Sept. 16, 1873	40 00	Fahey Quartz.....	Nevada County.....	
D. B. Merry.....	D. W. Snapp.....	Sept. 25, 1873	40 00	Republic Quartz.....	do.....	
John A. Benson.....	H. T. Knight.....	Sept. 22, 1873	50 00	Natoma Water and Mining Company.....	Sacramento County.....	
A. M. Jones.....	Bennett & McNeal.....	Sept. 26, 1873	50 00	McNeal Placer.....	Klamath County.....	
R. B. Thomas.....	John R. Hite.....	Sept. 27, 1873	20 00	Hite Quartz.....	Mariposa County.....	
A. M. Jones.....	Calvin Edgerton.....	Sept. 29, 1873	50 00	John Mello & Co. Placer.....	Yuba County.....	
H. H. Sandford.....	A. F. Roberts.....	do.....	15 00	Deadwood Placer.....	Siskiyou County.....	
William Magee.....	Camden & Chitwood.....	do.....	39 00	Chitwood Placer.....	Shasta County.....	
William L. McKim.....	Amanda C. Harris.....	Sept. 30, 1873	40 00	Herbertville Quartz.....	Amador County.....	
L. F. Cooper.....	Del Norte Mining Company.....	Oct. 8, 1873	45 00	Elk Bar Placer.....	Del Norte County.....	
Do.....	S. S. Richardson.....	do.....	45 00	John Shoo Bar Placer.....	do.....	Additional deposit
William Sharp.....	S. Ambrose.....	Oct. 9, 1873	15 00	Mac-a-Mac.....	do.....	
E. C. Uren.....	Frank Panson.....	do.....	40 00	Kentucky Quartz.....	Nevada County.....	
W. L. McKim.....	J. W. Gashwiler.....	Oct. 10, 1873	40 00	Drytown Quartz.....	Nevada County.....	
T. J. Dewoody.....	James F. Stuart.....	do.....	40 00	Kentuck Quicksilver.....	Amador County.....	
Do.....	do.....	do.....	40 00	Lost Ledge Quicksilver.....	Sonoma County.....	
Do.....	C. W. Reed.....	Oct. 13, 1873	40 00	Long Valley Placer.....	do.....	
Do.....	do.....	do.....	46 00	Providence Hill Placer.....	Plumas County.....	
Do.....	do.....	do.....	40 00	North Fork Mining Company's mine.....	do.....	
A. W. Keddle.....	H. S. Bryan.....	Oct. 15, 1873	40 00	Spring Garden Placer.....	Placer County.....	
H. H. Sandford.....	Dodson & Co.....	Oct. 16, 1873	10 00	Kickapoo Placer.....	Yuba County.....	
D. B. Merry.....	S. B. Davenport.....	Oct. 22, 1873	40 00	Eagle Gold Quartz.....	Nevada County.....	
William Magee.....	J. M. Avery.....	Oct. 27, 1873	40 00	Pitt River Iron mine.....	Shasta County.....	
W. L. McKim.....	R. M. Briggs.....	do.....	40 00	Volunteer Company's Quartz.....	Amador County.....	
Edw. Fairman.....	Gray & Haven.....	Oct. 28, 1873	40 00	Sierra Battle Gold Quartz.....	Sierra County.....	
Do.....	I. E. Brewster.....	Nov. 3, 1873	40 00	Great Eastern Quicksilver.....	Lake County.....	
Do.....	do.....	do.....	40 00	Hopoc Quicksilver.....	do.....	Additional deposit

H. Warnet.....	do.	do.	40 00	Mountain Quartz.....	Sierra County.....
W. T. Grider & Co.....	Nov. 4, 1873	do.	50 00	Mississippi Placer.....	Sierra County.....
E. P. Lovjoy.....	Nov. 7, 1873	do.	40 00	James Ward Placer.....	Trinity County.....
Wells, Fargo & Co.....	do.	do.	50 00	Mammoth Placer.....	do.
R. M. Folger.....	Nov. 8, 1873	do.	40 00	Mountain Gold and Silver Mining Co.....	Alpine County.....
T. J. Dewoody.....	Nov. 12, 1873	do.	40 00	Geysler No. 1 Quicksilver.....	Sonoma County.....
Palmer Smith.....	do.	do.	60 00	North Bloomfield Gravel Mining Co.....	Nevada County.....
William P. Reynolds.....	Nov. 13, 1873	do.	40 00	Maine Borax Mining Company.....	San Bernardino County.....
do.	do.	do.	40 00	New York Borax Mining Company.....	do.
do.	do.	do.	40 00	Ohio Borax Mining Company.....	do.
do.	do.	do.	40 00	Soledad Borax Mining Company.....	do.
Michael Blake.....	do.	do.	40 00	Lamb & Sheldon Placer.....	Siskiyou County.....
Fernald & Hall.....	Nov. 14, 1873	do.	40 00	Pioneer Placer.....	Klamath County.....
J. S. Murray.....	Nov. 19, 1873	do.	30 00	Pacific Placer.....	Placer County.....
John A. Benson.....	do.	do.	40 00	Coat's Placer, (resurvey).....	do.
W. S. Lowdon.....	Nov. 30, 1873	do.	40 00	Jacob's Gold Placer.....	Trinity County.....
Do.	do.	do.	60 00	Evans & Bartlett Placer.....	do.
Do.	do.	do.	30 00	El Dorado Quicksilver.....	Lake County.....
Do.	do.	do.	30 00	Leota Quicksilver.....	do.
Do.	do.	do.	30 00	Alice May.....	do.
Edward Mahoney.....	Dec. 1, 1873	do.	40 00	Buena Vista.....	San Luis Obispo County.....
William P. Reynolds.....	Dec. 3, 1873	do.	40 00	Mohawk Borax Association.....	San Bernardino County.....
John A. Benson.....	Dec. 9, 1873	do.	40 00	Saint John Placer.....	El Dorado County.....
Do.	Dec. 10, 1873	do.	10 00	Willow Spring Placer.....	Sacramento County.....
Do.	Dec. 12, 1873	do.	40 00	Hercules Quicksilver.....	Sonoma County.....
Gustavus Cox.....	do.	do.	40 00	Number Four Quicksilver.....	do.
do.	do.	do.	40 00	Number Three Quicksilver.....	do.
Alfred Craven.....	Dec. 13, 1873	do.	10 00	Content Gold and Silver.....	Kern County.....
J. P. Dart.....	Dec. 18, 1873	do.	40 00	Fairview Quartz.....	Tuolumne County.....
Samuel Bethell.....	do.	do.	40 00	Brown Placer.....	Placer County.....
do.	do.	do.	35 00	Gard & Orr Placer.....	Plumas County.....
C. W. Hendel.....	Dec. 20, 1873	do.	35 00	Mount Pleasant Placer.....	Sierra County.....
A. B. Beavrais.....	Dec. 22, 1873	do.	50 00	Shawmut Quartz.....	Tuolumne County.....
H. S. Bradley.....	Dec. 23, 1873	do.	50 00	Cherokee Flat Blue Gravel.....	Butte County.....
A. B. Beavrais.....	do.	do.	50 00	Sweeny Quartz.....	Tuolumne County.....
J. P. Dart.....	Dec. 31, 1873	do.	50 00	Fairview Quartz.....	Tuolumne County.....
William P. Reynolds.....	do.	do.	40 00	Rainbow Gold.....	San Bernardino County.....
do.	do.	do.	40 00	Moonlight Gold.....	do.
do.	do.	do.	40 00	Littlefield Gold.....	do.
W. S. Lowdon.....	Jan. 8, 1874	do.	55 00	Eastman Placer.....	Trinity County.....
H. S. Craven.....	do.	do.	40 00	Lena Quicksilver.....	Lake County.....
do.	do.	do.	40 00	Enterprise Quicksilver.....	do.
H. H. Sandford.....	Jan. 13, 1874	do.	40 00	Enterprise Consolidated Copper.....	Nevada County.....
Alfred Craven.....	do.	do.	40 00	Commonwealth Gold and Silver Quartz.....	Kern County.....
D. B. Merry.....	Jan. 14, 1874	do.	25 00	Grant Quartz.....	Nevada County.....
R. M. Wilton.....	Jan. 15, 1874	do.	40 00	Wall Street Quicksilver.....	Lake County.....
W. S. Lowdon.....	do.	do.	40 00	Cogle Placer.....	Trinity County.....
do.	do.	do.	15 00	Jacob's Gold Placer.....	do.
W. L. McKinn.....	Jan. 16, 1874	do.	40 00	Mountain Mining Co.'s mine and mill-site.....	A major County.....
do.	do.	do.	40 00	White Mountain Quartz and mill-site.....	do.
D. B. Merry.....	do.	do.	40 00	Crescent Gold Quartz mine.....	do.

Additional deposit.

Additional deposit.

Additional deposit.

Additional deposit.

Additional deposit.

Additional deposit.

## J.—Statement of special deposits for the survey of mining-claims in California during the fiscal year 1873-'74—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Deposit for salaries.	Name of mine.	Location of mine.	Remarks.
A. B. Beauvais.	Ira H. Reed and J. Hillary.	Jan. 16, 1874	\$40 00	Reed & Hillary Quartz.	Nevada County.	
D. B. Merry.	do.	Jan. 17, 1874	40 00	Lone Star Quartz.	Calaveras County.	
R. M. Wilson.	I. N. Thorne.	Jan. 19, 1874	40 00	Woodville Gold Gravel.	do.	
Wesley K. Boucher.	M. K. Kenner.	Jan. 19, 1874	40 00	Ural Quicksilver.	Nevada County.	
E. C. Uren.	James Harburn.	Jan. 20, 1874	25 00	Williams & Hughes Placer.	Essex County.	Additional deposit.
William Edmunds.	John E. Perkins.	Jan. 23, 1874	40 00	American Placer.	Calaveras County.	
A. A. Smith.	George C. Perkins.	Jan. 26, 1874	40 00	Elton & Co. Placer.	Butte County.	
R. M. Wilson.	Providence G. and S. Mining Co.	Jan. 27, 1874	50 00	Myers & Summit Gold and Silver Mine.	Lassen County.	
E. C. Uren.	R. E. Brewster.	do.	40 00	Mammoth Quicksilver.	Lake County.	
R. M. Wilson.	John D. Myer.	Jan. 28, 1874	40 00	Schoeman Placer.	Placer County.	
J. P. Dart.	Gray & Haven.	Jan. 28, 1874	30 00	American Quicksilver mine and mill-site.	Lake County.	
Do.	N. Heath.	Feb. 2, 1874	35 00	Kelly Quartz.	Tuolumne County.	
Do.	C. L. Street.	do.	40 00	Clio Quartz.	do.	
W. K. Boucher.	Joseph French.	do.	47 00	Eureka Gold Quartz.	do.	
William Magee.	Margene H. Peck.	Feb. 3, 1874	40 00	Minerva Gold and Silver.	Butte County.	
C. W. Hendel.	Edmund Wallace.	Feb. 8, 1874	40 00	Baroto Gold Quartz.	Calaveras County.	
H. F. Terry.	Edmund Wallace.	Feb. 10, 1874	40 00	Copper Hill.	Siasta County.	
Charles F. Hoffman.	C. V. D. Hinbard.	do.	35 00	Highland Mary Placer.	Siasta County.	
Samuel Bethell.	William Kerr.	Feb. 17, 1874	40 00	Alpine Quartz.	Calaveras County.	
J. S. Dart.	Owen Leman.	Feb. 18, 1874	40 00	Jefferson Gold and Silver.	Placer County.	
W. S. Lowdon.	Evans & Bartlett.	Feb. 19, 1874	40 00	Kerr Placer.	Tuolumne County.	
R. M. Wilson.	R. E. Brewster.	Feb. 21, 1874	25 00	Leman Quartz.	Trinity County.	
A. B. Beauvais.	do.	Feb. 26, 1874	40 00	Lowlon Quicksilver.	Yuba County.	Additional deposit.
William Jabine.	J. W. Gashwiler.	Feb. 27, 1874	40 00	Azogone Quicksilver.	do.	
William Anderson.	John Hodgkins.	do.	20 00	Shanghai Quartz.	Tuolumne County.	Additional deposit.
E. C. Uren.	J. C. Strader.	Feb. 28, 1874	40 00	Pyramid Gold and Silver.	El Dorado County.	
James Champion.	Antone Thomas.	do.	40 00	Rose Quartz.	do.	
D. B. Merry.	R. M. Folger.	Mar. 3, 1874	35 00	Blue Ledge Quartz.	do.	
E. C. Uren.	Dibbee & Byrne.	Mar. 5, 1874	10 00	Dutch Flat Quartz.	Placer County.	Additional deposit.
William P. Reynolds.	A. J. Doolittle.	Mar. 9, 1874	35 00	Mountain Gold and Silver Mine No. 1.	Alpine County.	
E. C. Uren.	J. A. Robinson.	Mar. 9, 1874	15 00	Osborn Hill Quartz.	Nevada County.	
William P. Reynolds.	David Preharense.	Mar. 10, 1874	40 00	Liberty Hill Placer.	do.	Additional deposit.
William P. Reynolds.	W. P. Morrison.	do.	40 00	Cynthia Gold.	San Bernardino County.	
John Goldsworthy.	R. M. Widney.	do.	40 00	American Placer.	Placer County.	
Do.	F. T. Maynard.	Mar. 12, 1874	40 00	Morrison Gold mine and mill-site.	San Bernardino County.	Additional deposit.
Do.	do.	do.	40 00	Jesus Redondo Quartz.	do.	
D. B. Merry.	Rose & Druryes.	Mar. 14, 1874	40 00	Ramona Quartz.	do.	
J. M. Anderson.	C. V. Ostlin.	Mar. 17, 1874	40 00	Chrome No. 1, iron mine.	Sonoma County.	
			49 00	Chrome No. 2, iron mine.	do.	
			50 00	California Placer.	Nevada County.	
			40 00	Russian-American Quartz.	El Dorado County.	

Benjamin Ross	E. T. Taylor	Mar. 21, 1874	40 00	Ludekin Placer.	Amador County
J. M. Anderson	M. Canavan	Mar. 25, 1874	40 00	Mountaineer mine	El Dorado County
A. L. Cervantes	Noble Hamilton	Mar. 26, 1874	25 00	Kincon Quicksilver	San Luis Obispo County
Do	do	do	25 00	Pres Amigos Quicksilver	do
Do	do	do	25 00	San José Quicksilver	do
J. M. Anderson	Taylor Mill and Mining Company	Mar. 27, 1874	40 00	Taylor Quartz	El Dorado County
R. M. Wilson	Rattlesnake Mining Company	do	40 00	West Extension Rattlesnake	Sonoma County
Do	do	do	40 00	East Extension Rattlesnake	do
Do	do	do	40 00	Rattlesnake Quicksilver	do
J. M. Anderson	Jeremiah Allen	do	40 00	California-Russian Quartz	El Dorado County
Do	M. Martin	Mar. 30, 1874	40 00	Rocky Bend Quartz, north extension	do
W. K. Boncher	H. P. McNevin	Apr. 1, 1874	40 00	Maconer Quartz mine and mill-site.	Calaveras County
E. C. Uren	Malcolm McLeod	Apr. 2, 1874	40 00	McLeod Placer	Placer County
Hugh Barker	M. C. Metzler	Apr. 3, 1874	40 00	Old Atlantic Quartz	El Dorado County
H. H. Sandford	Young America Mining Company	Apr. 6, 1874	35 00	Young America Mining Company Placer.	Yuba County
J. M. Anderson	A. B. Dreibach	Apr. 6, 1874	40 00	Mount Hope Quartz	El Dorado County
Benjamin Ross	The Great Eastern Company	do	40 00	Great Eastern Quartz	Amador County
G. H. Thompson	Henry P. Bowie	do	40 00	Dragon Quicksilver mine and mill-site	Lake and Sonoma Counties
Do	do	do	40 00	Eagle Quicksilver mine and mill-site.	do
Do	do	do	40 00	Edith Quicksilver mine and mill-site.	do
Do	do	do	40 00	Saint George Quicksilver mine and mill-site.	do
Do	do	do	40 00	Golden Gate Quicksilver mine and mill-site.	do
Do	do	do	40 00	Mand	do
A. M. Jones	H. S. McKinney	Apr. 10, 1874	40 00	McCrary Placer	Siakiyon County
J. M. Anderson	C. W. Ostlin	Apr. 11, 1874	40 00	United States Hydraulic Quartz	El Dorado County
D. B. Merry	William Kirtle	Apr. 13, 1874	50 00	Missouri Cañon Placer.	Nevada County
E. C. Uren	Augustine D. Carpenter et al.	Apr. 14, 1874	40 00	Green Valley Blue Gravel Placer.	Placer County
A. M. Jones	Maunice Rennar	do	40 00	Blake & Caldwell Placer.	Siakiyon County
George B. Tolman	F. Smith	Apr. 16, 1874	40 00	Heckendorn Gold and Silver.	Calaveras County
E. C. Uren	W. R. Williams	Apr. 17, 1874	40 00	Williams' Placer mine.	Placer County
D. B. Merry	Daniel E. Bush	do	50 00	Arkansas and Greenhorn Cañon Placer.	Nevada County
J. P. Dart	C. I. Street	do	40 00	Hazel Dell Quartz	Tuolumne County
A. M. Jones	William McConaughy	Apr. 20, 1874	40 00	Etnas Placer	Siakiyon County
Edw. York	J. Pershacker	Apr. 23, 1874	40 00	Comstock Quicksilver	Lake County
A. B. Beavria	Elijah Richards	Apr. 24, 1874	35 00	Well Rough Quartz	Tuolumne County
J. M. Anderson	Thomas Fraser	do	35 00	Columbia and Oregon Hill Placer	El Dorado County
William Sharrp	Camp & Co.	Feb. 9, 1874	50 00	Rood & Co.'s Placer.	Klamath County
R. M. Wilson	R. E. Brewster	Apr. 28, 1874	40 00	Pacific Quicksilver.	Napa County
Do	do	do	40 00	Belton Quicksilver.	do
J. M. Anderson	A. Pelletton	Apr. 27, 1874	40 00	Peaton Placer	Calaveras County
C. W. Hande	E. W. Boyer et al	Apr. 30, 1874	40 00	Fear Play Gravel	Sierra County
Do	do	do	40 00	Ariel Gravel	do
A. M. Jones	William Burns	do	40 00	Burns Brothers' Placer.	Klamath County
E. C. Uren	Henry Miller	May 1, 1874	40 00	Baltimore Placer.	Nevada County
R. M. Wilson	John O. Hanscom	May 5, 1874	40 00	Keasarge Quicksilver Mining Company's Claim.	Lake County
Do	do	do	40 00	Cinnabar Quicksilver Mining Company's mine.	do

## J.—Statement of special deposits for the survey of mining-claims in California during the fiscal year 1873-74—Continued.

Name of surveyor.	Name of depositor.	Date of deposit.	Deposit for salaries.	Name of mine.	Location of mine.	Remarks.
R. M. Wilson.	John O. Hanscom.	May 5, 1874	\$40 00	Robert Lee Quicksilver Mining Com- pany's mine.	Lake County.	
Do.	do.	do.	40 00	Durham Quicksilver Mining Com- pany's mine.	do.	
I. G. Jones.	M. E. Braker.	May 6, 1874	40 00	Oriental Gold and Silver.	Sierra County.	
R. H. Moore.	Epley Gold Mining Co.	May 7, 1874	40 00	Hammont mine.	El Dorado County.	
Do.	do.	do.	40 00	Mammoth.	do.	
W. P. Reynolds.	H. C. Austin.	May 9, 1874	40 00	Towlesy Petroleum.	Los Angeles County.	
George E. Tolman.	John H. 1874	May 13, 1874	40 00	Welch Quicksilver.	Contra Costa County.	
Do.	do.	do.	40 00	Smith & Pelton Placer.	El Dorado County.	
G. F. Deetken.	Stephen H. Felton.	May 14, 1874	40 00	Quartz Glen.	Calaveras County.	
D. B. Merry.	Dibblee & Byrne.	May 15, 1874	40 00	Good Hope Quartz.	Nevada County.	
John Goldsworthy.	Edward Barry.	do.	40 00	Champion Quartz.	do.	
Do.	do.	do.	40 00	Lorris Quartz.	Los Angeles County.	
James Champion.	O. F. Thornton.	do.	40 00	Manzanillo and New Ex. of Ophir.	do.	
D. B. Merry.	S. A. Kendall.	May 19, 1874	40 00	Gerritino.	Alpine County.	
J. P. Dart.	Louis Eichel.	May 11, 1874	40 00	Frazier Quartz.	Ventura County.	
Do.	do.	do.	40 00	German Flat Mining Company's mine.	Nevada.	
Do.	Omega Table Mountain Mining Company.	May 23, 1874	40 00	Omega Table Mountain.	Tuolumne County.	
W. S. Lowdon.	John G. Irwin.	May 22, 1874	40 00	Bates & Van Meter Placer.	Trinity County.	
C. E. Kronee.	H. W. Schmidt.	May 25, 1874	40 00	Wonder of the World Silver.	Inyo County.	
H. H. Sandford.	F. L. Hatch.	May 28, 1874	40 00	Buckeye Quicksilver.	Calusa County.	
F. Moro.	Charles L. Prince.	June 2, 1874	40 00	Somerset mine.	Nevada County.	
Do.	do.	do.	40 00	Cascade Blue Gravel.	do.	
J. M. Anderson.	Barnes & Mansfield.	June 1, 1874	40 00	Caledonia Quartz.	El Dorado County.	
R. M. Wilson.	Abraham Halsley.	June 3, 1874	40 00	Eagle Gold.	Tuolumne.	
W. Edwards.	Parks & Co.	June 4, 1874	40 00	Packet Company.	Butte County.	
W. P. Reynolds.	G. J. Clarke.	do.	40 00	Marongo mine.	Los Angeles County.	
Do.	H. S. McKinney.	do.	35 00	McCrary Placer.	Siakiyon County.	
W. L. McKim.	Briggs & Spagnoli.	June 5, 1874	34 00	Cave City.	Amador County.	
R. R. Thomas.	Charles Bogan.	June 10, 1874	40 00	Sierra Rica.	Mariposa County.	
G. F. Deetken.	Dibblee & Byrne.	June 11, 1874	40 00	King Bee Quartz.	Nevada County.	
A. M. Jones.	S. W. Clary.	June 12, 1874	40 00	Ellis Placer mine.	Siakiyon County.	
D. B. Merry.	Dibblee & Byrne.	do.	40 00	New York Canon Gravel.	Nevada County.	
H. S. Craven.	Surprise Quicksilver Mining Co.	do.	40 00	Surprise Quicksilver.	Napa County.	
James Champion.	John Stork.	June 13, 1874	40 00	Silver Cored and Silver Mining Co.	Alpine County.	
G. F. Deetken.	Dibblee & Byrne.	June 15, 1874	10 00	North Star Quartz mine.	Nevada County.	
Do.	do.	do.	40 00	Irish American Quartz.	do.	
H. H. Sandford.	W. D. Farren.	do.	40 00	North Star Tunnel Gravel.	Butte County.	
H. S. Craven.	H. S. Craven.	June 16, 1874	40 00	Eucenic Quicksilver.	Sonoma County.	
Samuel Bethell.	Samuel Bethell.	do.	40 00	Lebanon Placer.	Placer County.	
E. C. Uren.	George Mosser.	June 17, 1874	50 00	Manchester Gold and Silver.	Alpine County.	
James Champion.	Julius Bandman.	June 18, 1874	40 00	do.	do.	

Additional deposit.

Additional deposit.

Do	.....do	.....do	Chicago and Detroit Gold and Silver mine.	.....do
J. F. Wade	A. J. Zane	June 19, 1874	40 00	Sonoma County
H. H. Sandford	Lewis Chalmers	June 20, 1874	40 00	Alpine County
T. P. Wilson	Mitchell & Thomas	June 22, 1874	40 00	Nevada County
George B. Tolman	D. A. Miller	June 23, 1874	40 00	Calaveras County
E. C. Uren	J. H. Neff	June 24, 1874	40 00	Placer County
James Champion	O. F. Thornton	June 26, 1874	40 00	Alpine County
D. B. Merry	Dibblee & Byrne	June 27, 1874	40 00	Nevada County
S. Bethell	George W. Humphries	June 28, 1874	40 00	Placer County

JAMES T. STRATTON,  
 United States Surveyor-General for California.

K.—Statement of account of appropriation for the survey of public lands in California during the fiscal year 1873-74.

Date of ac- count.	In favor of—	Date of con- tract.	Amount.	Date.	On account of—	Amount.
Apr. 21, 1874	George B. Tolman	Aug. 4, 1873	\$3,346 11	June 1, 1873	By appropriation of August 2, 1873	\$90,000 00
May 25, 1874	James M. Anderson	Aug. 4, 1873	5,259 91			
Apr. 27, 1874	William H. Norway	Aug. 16, 1873	4,257 19			
May 5, 1874	H. C. Holmes	Aug. 28, 1873	4,259 96			
Feb. 4, 1874	John A. Benson	Sept. 9, 1873	1,814 61			
July 2, 1874	H. M. Hayes	Sept. 11, 1873	2,711 17			
	Balance of appropriation applicable to contracts made previous to June 30, 1874, (as shown on next page)...		21,648 95			
			68,351 05			
			90,000 00			90,000 00

JAMES T. STRATTON,  
 United States Surveyor-General for California.

*Statement of account of appropriation for the survey of public lands in California during the fiscal year 1873-74.*

In favor of—	Date of contract.	Amount.	On account of—	Amount.		
A. W. Brown .....	Aug. 15, 1873	\$2,000 00	By balance of appropriation applicable to contracts made prior to June 30, 1874.	\$68,351 05		
William Minto .....	Sept. 4, 1873	7,000 00				
William Massee .....	Sept. 20, 1873	5,000 00				
W. L. McKim .....	Sept. 15, 1873	3,300 00				
O. P. Calloway .....	Sept. 15, 1873	5,000 00				
William Minto .....	Sept. 29, 1873	5,000 00				
Robert E. Harris .....	Oct. 2, 1873	5,500 00				
John Goldsworthy .....	Oct. 3, 1873	2,500 00				
Alex. McKay .....	Oct. 6, 1873	5,000 00				
A. A. Smith .....	Nov. 1, 1873	8,000 00				
H. S. Craven .....	Nov. 4, 1873	1,000 00				
D. C. Hall .....	Nov. 5, 1873	7,500 00				
H. S. Craven .....	Nov. 6, 1873	3,000 00				
William Minto .....	Nov. 5, 1873	7,500 00				
J. A. Benson .....	Dec. 20, 1873	2,100 00				
George B. Tolman .....	Jan. 3, 1874	600 00				
Jesse Applegate .....	Apr. 6, 1874	500 00				
S. W. Foreman .....	May 4, 1874	4,500 00				
H. H. Sandford .....	May 6, 1874	900 00				
W. H. Carleton .....	May 27, 1874	2,400 00				
S. W. Foreman .....	June 24, 1874	8,000 00				
Surplus from sundry contracts (returned and estimated) made prior to June 30, 1874 .....		86,600 00				
		18,248 95				
		68,351 05				

JAMES T. STRATTON,  
*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 United States surveyor-general for California for the fiscal year ending June 30, 1874.

1873. Sept. 30	To amount paid in July, August, and September, first quarter .....	\$2,211 24	1873. July 1	By appropriation for fiscal year 1873-74 .....	\$7,000 00
Dec. 31	To amount paid in October, November, and December, second quarter .....	1,586 60			
1874. Mar. 31	To amount paid in January, February, and March .....	1,698 94			
June 30	To amount paid in April, May, and June .....	1,501 90			
		6,998 68			
	Balance on hand July 1, 1874..	1 32			
		7,000 00			7,000 00

JAS. T. STRATTON,  
United States Surveyor-General for California.

M.—Account of appropriation for the salary of United States surveyor-general for California for the fiscal year 1873-74.

1873. Sept. 30	To account of J. R. Hardenbergh, first quarter .....	\$750 00	1873. July 1	By appropriation for salary of the United States surveyor-general for California for the fiscal year 1873-74 .....	\$3,000 00
Dec. 31	To account of J. R. Hardenbergh, second quarter .....	750 00			
1874. Jan. 9	To account of J. R. Hardenbergh, from January 1 to January 9, inclusive .....	75 00			
Mar. 31	To account of James T. Stratton, from January 10 to March 31, inclusive .....	675 00			
June 30	To account of James T. Stratton, fourth quarter .....	750 00			
		3,000 00			3,000 00

JAS. T. STRATTON,  
United States Surveyor-General for California.

N.—Statement of account of appropriation for compensation of clerks and draughtsmen in the office of the United States surveyor-general for California for the fiscal year ending June 30, 1874.

1873.	To amount paid clerks and draughtsmen for first quarter ending September 30, 1873 .....	\$7,245 65	1873. July 1	By appropriation for the fiscal year ending June 30, 1874...	\$25,000 00
	For second quarter ending December 31, 1873 .....	6,675 00			
1874.	For third quarter ending March 31, 1874 .....	6,438 91			
	For fourth quarter ending June 30, 1874 .....	4,640 44			
		25,000 00			25,000 00

JAS. T. STRATTON,  
United States Surveyor-General for California.



O No. 1.—Statement of special individual deposits with the United States Assistant Treasurer at San Francisco during the fiscal year 1873-74 for compensation of clerks and draughtsmen in the office of United States surveyor-general for California.

Date of deposit.	Name of depositor.	Location of survey.	Meridian.	Amount of deposit.
July 9, 1873	J. W. Corless	Township 7 south, range 2 west.	Mount Diablo.	\$5 00
July 22, 1873	Amos Sniffin	Township 15 north, range 14 west.	do	25 00
July 22, 1873	J. C. Tindall	do	do	25 00
July 22, 1873	Joseph Nodessa	do	do	25 00
July 22, 1873	William Stephens	do	do	25 00
July 23, 1873	T. W. Holmes	Township 9 north, range 32 west.	San Bernardino	12 00
July 23, 1873	J. J. Holloway	do	do	12 00
Aug. 4, 1873	Henry Miller	Township 19 north, range 11 east.	Mount Diablo.	30 00
Aug. 4, 1873	do	Township 20 north, range 11 east.	do	60 00
Aug. 4, 1873	do	Township 19 north, range 10 east.	do	60 00
Aug. 7, 1873	Central Pacific Railroad Company.	List dated July 25, 1873.	do	100 00
Aug. 8, 1873	Hannah E. Lee	Township 2 south, ranges 3 and 4 west.	Mount Diablo.	23 00
Aug. 9, 1873	Hannah Gorman	Township 8 north, range 19 east.	do	25 00
Sept. 18, 1873	Ira Underwood	Township 11 north, range 8 east.	do	30 00
Sept. 18, 1873	J. M. Harbin	do	do	30 00
Sept. 22, 1873	J. H. Bostwick	Township 12 north, range 8 west.	do	12 00
Sept. 30, 1873	T. J. Tucker	Township 7 north, range 4 west.	do	5 00
Oct. 30, 1873	James Dixon	Township 11 north, range 15 west.	do	60 00
Oct. 21, 1873	Peter Donnelly	Township 10 south, range 5 east.	do	20 00
Oct. 21, 1873	Patrick Raagan	do	do	20 00
Oct. 21, 1873	Thomas Turner	do	do	20 00
Oct. 21, 1873	Peter Turner	do	do	20 00
Oct. 21, 1873	Matthew Rable	do	do	20 00
Oct. 21, 1873	George Wright	Township 3 south, range 13 west.	San Bernardino	20 00
Oct. 21, 1873	R. R. Wright	do	do	20 00
Nov. 7, 1873	Michael J. Smith	Township 16 north, range 13 west.	Mount Diablo.	15 00
Nov. 7, 1873	William O. Pitts	do	do	15 00
Nov. 13, 1873	E. F. Greewell	Township 11 south, range 9 east.	do	50 00
Nov. 13, 1873	T. W. Freeman	Township 10 north, range 10 west.	do	10 00
Nov. 25, 1873	W. W. Meredith	Township 16 north, range 10 west.	do	15 00
Nov. 25, 1873	W. Smith	do	do	15 00
Dec. 2, 1873	M. G. Geaford	Township 7 north, range 4 west.	do	10 00
Dec. 5, 1873	Samuel Totten	Township 10 north, range 14 west.	do	15 00
Dec. 5, 1873	J. C. Beatty	do	do	15 00
Dec. 5, 1873	D. G. Anderson	Township 20 north, range 1 east.	do	16 66
Dec. 5, 1873	A. C. Owen	do	do	16 67
Dec. 5, 1873	W. M. Adams	do	do	16 67
Dec. 5, 1873	John A. Morgan	do	do	16 67
Dec. 5, 1873	A. A. Kauffmann	do	do	16 67
Dec. 5, 1873	T. B. Hickman	do	do	16 67
Dec. 10, 1873	E. F. Donnelly	Township 14 north, range 9 east.	do	40 00
Dec. 23, 1873	Albert Dibble	Township 5 north, ranges 32 and 33 west.	San Bernardino	30 00
Dec. 26, 1873	Nathaniel Hurlbut.	Township 1 north, range 2 west.	Humboldt	15 00
Jan. 8, 1874	John Barker.	Township 2 south, range 13 west.	San Bernardino	20 00
Jan. 12, 1874	Central Pacific Railroad Company.	do	do	30 00
Jan. 22, 1874	C. S. Neal	Townships 6 and 7 south, range 7 east.	Mount Diablo.	25 00
Jan. 22, 1874	D. Martindell	do	do	25 00
Jan. 22, 1874	J. D. Frey	do	do	25 00
Jan. 22, 1874	F. L. Armistead	do	do	25 00
Jan. 22, 1874	W. Easton	do	do	25 00
Jan. 22, 1874	C. L. Weller	do	do	35 00
Feb. 3, 1874	Central Pacific Railroad Company.	do	do	75 00
Feb. 5, 1874	Frank Maybloom	Township 15 north, range 16 west.	Mount Diablo.	30 00
Feb. 13, 1874	R. L. Garratt	Township 4 south, range 6 west.	San Bernardino	50 00
Mar. 3, 1874	Ernest Zoeller	Township 10 south, range 1 east.	Mount Diablo.	10 00
Mar. 7, 1874	William H. Thurman	Township 6 south, range 22 east.	do	20 00
Mar. 7, 1874	John Dickinson	do	do	20 00
Mar. 7, 1874	Michael Baker	do	do	20 00
Mar. 7, 1874	Richard Pray	do	do	20 00
Mar. 7, 1874	W. Speckerman	do	do	20 00
Mar. 28, 1874	G. S. Thompson	Township 10 north, range 8 east.	do	25 00
Mar. 28, 1874	James F. Stuart	do	do	25 00
Mar. 28, 1874	W. S. Bartlett	do	do	25 00
Mar. 28, 1874	J. G. Thompson	do	do	25 00
Apr. 6, 1874	David Zuck	Township 10 south, range 4 east.	do	20 00
Apr. 6, 1874	José Lucero	do	do	20 00
Apr. 10, 1874	Henry C. Farquharson.	Township 7 south, range 6 east.	do	10 00
Apr. 10, 1874	D. C. Bryan	do	do	10 00
Apr. 10, 1874	Edw. M. Frey	do	do	10 00
Apr. 27, 1874	Asher E. Maxey	Township 12 south, range 1 east.	San Bernardino	30 00
Apr. 27, 1874	George W. Mendenhall.	do	do	10 00
Apr. 29, 1874	C. H. Wyman	Town-site of Alta.	do	25 00
May 4, 1874	B. V. Sargent	Township 16 south, range 1 east.	Mount Diablo.	15 00

O No. 1.—Statement of special individual deposits, &c.—Continued.

Date of deposit.	Name of depositor.	Location of survey.	Meridian.	Amount of deposit.
May 8, 1874	Thomas L. Reilly	Township 1 north, range 6 east	Mount Diablo.	\$60 00
May 20, 1874	W. S. Barlow	Township 15 north, range 2 east	do	30 00
May 20, 1874	Henry T. Weyland	Township 8 north, range 5 east	do	20 00
May 20, 1874	Thomas Johnson	do	do	15 00
May 20, 1874	John Hartley	do	do	15 00
May 22, 1874	E. J. Baker	Township 1 south, range 2 east	Humboldt	20 00
May 22, 1874	Mason Herring	do	do	15 00
May 22, 1874	William Mannon	do	do	15 00
June 2, 1874	James B. Randal	Township 9 south, range 1 east	Mount Diablo.	30 00
June 3, 1874	Central Pacific Railroad Company.	do	do	34 00
June 4, 1874	D. McLean	Township 16 north, range 9 east	do	20 00
June 4, 1874	A. J. Alley	do	do	10 00
June 4, 1874	Sarah Martin	do	do	5 00
June 4, 1874	Samuel H. Alley	do	do	15 00
June 8, 1874	J. C. Bradley	Township 28 north, range 2 east	do	15 00
June 26, 1874	F. McDonough	Township 25 north, range 9 east	do	20 00
June 26, 1874	Edw. McDonough	do	do	20 00
	Total			2,133 01

JAS. T. STRATTON,  
United States Surveyor-General for California.

O No. 2.—Statement of special individual deposits with the United States assistant treasurer at San Francisco, Cal., during the fiscal year 1873-'74, for compensation of clerks and draughtsmen in the office of United States surveyor-general for California.

Date of deposit.	Name of depositor.	Name of mine.	Meridian.	Amount of deposit.
July 2, 1873	A. B. Preston	Mooney Quartz	Mt. Diablo..	\$40 00
July 2, 1873	A. H. Marshall and J. C. Mason.	Union Hill Placer.	Humboldt..	40 00
July 3, 1873	S. L. Taylor	S. L. Hunt Quartz.	Mt. Diablo..	40 00
July 3, 1873	N. E. Whiteside	Mooney Flat Hydraulic Placer	do	40 00
July 7, 1873	Benj. E. Reasoner	Union Company's Placer	do	40 00
July 7, 1873	A. A. Pond	Elliott, Humphrey & Baznett Consolidated Placer.	do	50 00
July 7, 1873	J. B. Campbell	Hite Quartz	do	40 00
July 7, 1873	Joseph G. Eastland	Fritz Quartz	do	40 00
July 7, 1873	do	Lightner Quartz	do	40 00
July 8, 1873	Newton Ingram	Alameda Quartz	do	40 00
July 8, 1873	do	Vincent Quartz	do	40 00
July 8, 1873	do	Pine Tree Quartz	do	40 00
July 11, 1873	Rose & Duryea	Rose & Duryea Placer	do	40 00
July 11, 1873	A. Condon	Small Hope Placer	do	40 00
July 15, 1873	C. W. French	Willow Hill Placer	do	30 00
July 17, 1873	H. Powell	Empire and Eureka Placer	do	40 00
July 17, 1873	Camden & Chitwood	Chitwood Placer	do	40 00
July 22, 1873	Mullan & Hyde	Fourth of July Placer	do	35 00
July 22, 1873	do	Boston Quicksilver	do	35 00
July 22, 1873	do	Andy Johnson Quicksilver	do	35 00
July 24, 1873	W. L. McKim	Hercules Quartz	do	40 00
July 24, 1873	Geo. K. Porter	Dunderberg Quartz	do	40 00
July 28, 1873	John Anderson	Home Stake Gold Quartz	do	35 00
July 30, 1873	J. W. Shanklin	Woodside Quartz	do	40 00
Aug. 7, 1873	Jno. Beveridge	Empire Tunneling Company's	do	40 00
Aug. 7, 1873	Wm. Crapp	United States Quartz	do	40 00
Aug. 7, 1873	John Keyes	South Keystone Quartz	do	40 00
Aug. 8, 1873	Thos. B. Ludlum	La Grande Tunnel	do	40 00
Aug. 8, 1873	do	Cedar Creek Placer	do	50 00
Aug. 8, 1873	do	Gold Run Placer	do	50 00
Aug. 8, 1873	Niles Searles	Fraser & Alexander Placer	do	40 00
Aug. 8, 1873	do	National Quartz	do	40 00
Aug. 11, 1873	J. S. Butger	Burger	do	40 00
Aug. 14, 1873	J. E. Jones	Jones & Howell Placer	do	45 00
Aug. 19, 1873	Wm. B. Reeve	China Creek Placer	do	50 00
Aug. 20, 1873	Orson Bigelow	Bigelow Quartz	do	40 00
Aug. 21, 1873	Dodson & Co.	Kickapoo Placer	do	40 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	Meridian.	Amount of deposit.
Aug. 21, 1873	Pioneer Placer Mining Co	Pioneer Placer	Mt. Diablo	\$35 00
Aug. 25, 1873	C. W. Crawford	Maxwell Hydraulic Placer	do	40 00
Aug. 26, 1873	Michael Schmidt	Schmidt Placer	do	40 00
Aug. 26, 1873	G. A. Frick	Swamp Angel Placer	do	40 00
Aug. 26, 1873	Jos. McGillivray	McGillivray Placer	Humboldt	25 00
Aug. 27, 1873	John Blair	Bobby Burns Quartz	Mt. Diablo	30 00
Aug. 27, 1873	Morris Jacobson	Emerald Quartz	do	40 00
Aug. 27, 1873	do	Leota Quicksilver	do	40 00
Aug. 27, 1873	do	Alice May Quicksilver	do	40 00
Aug. 27, 1873	do	Coral Quicksilver	do	40 00
Aug. 29, 1873	A. Peachey	Giltner	do	40 00
Sept. 1, 1873	Frost & Rutherford	Frost & Rutherford	do	40 00
Sept. 8, 1873	J. A. Benson	Elliott, Humphreys & Baznett Consolidated Placer.	do	25 00
Sept. 9, 1873	Duryea & Rose	Rose & Duryea Placer	do	40 00
Sept. 10, 1873	S. Haley	Green Lead Quartz	San Bernardino.	40 00
Sept. 11, 1873	A. D. Green	Content Gold and Silver	Mt. Diablo	40 00
Sept. 11, 1873	Chas. L. Strong	North Extension of Sumner Gold and Silver.	do	40 00
Sept. 11, 1873	E. R. Burke	Commonwealth Gold and Silver.	do	40 00
Sept. 12, 1873	Mark Zellerbach	Bloomfield Hydraulic Placer	do	75 00
Sept. 12, 1873	C. Stephen Hill	Napoleon Copper	do	40 00
Sept. 15, 1873	S. Greenbaum	Union Gold Bluff Placer	Humboldt	50 00
Sept. 16, 1873	Michael McDonough	Fahay Quartz	Mt. Diablo.	40 00
Sept. 25, 1873	D. W. Snapp	Republic Quartz	do	40 00
Sept. 29, 1873	H. T. Knight	Natonea Water & Mining Company's.	do	50 00
Sept. 26, 1873	Bennett & McNeal	McNeal Placer	do	50 00
Sept. 27, 1873	John R. Hite	Hite Quartz	Humboldt	20 00
Sept. 29, 1873	Calvin Edgerton	John Mells & Co.'s Placer.	Mt. Diablo	50 00
Sept. 29, 1873	A. F. Roberts	Deadwood Quartz.	do	39 00
Sept. 29, 1873	Camden & Chitwood.	Chitwood Placer	do	15 00
Sept. 30, 1873	Amanda C. Harris	Herbertville Quartz.	do	40 00
Oct. 8, 1873	Del Norte Mining Co	Elk Bar Placer	Humboldt	45 00
Oct. 8, 1873	S. S. Richardson	John Shoo Bar Placer.	do	45 00
Oct. 9, 1873	S. Ambrose	Muc-a-Muc Placer	do	15 00
Oct. 9, 1873	Frank Pauson	Kentucky Quartz.	Mt. Diablo	40 00
Oct. 10, 1873	J. W. Gashwiler	Drytown Quartz	do	40 00
Oct. 10, 1873	James F. Stuart	Kentuck Quicksilver	do	40 00
Oct. 10, 1873	do	Lost Ledge Quicksilver.	do	40 00
Oct. 13, 1873	C. W. Reed	Long Valley Placer	do	40 00
Oct. 13, 1873	do	Providence Hill Placer	do	40 00
Oct. 13, 1873	do	North Fork Mining Company's	do	40 00
Oct. 15, 1873	H. S. Bryan	Spring Garden Placer.	do	40 00
Oct. 16, 1873	Dodson & Co.	Kickapoo Placer	do	10 00
Oct. 23, 1873	S. B. Davenport	Eagle Gold Quartz	do	43 00
Oct. 27, 1873	J. M. Avery	Pitt River Iron	do	40 00
Oct. 27, 1873	R. M. Briggs	Volunteer Company's Quartz	do	40 00
Oct. 28, 1873	Gray & Haven.	Sierra Butte Gold Quartz	do	40 00
Nov. 3, 1873	R. E. Brewster	Great Eastern Quicksilver	do	40 00
Nov. 3, 1873	do	Hope Quicksilver.	do	40 00
Nov. 3, 1873	H. Warner	Mountain Quartz	do	40 00
Nov. 4, 1873	W. T. Gridler & Co.	Mississippi Placer	do	50 00
Nov. 7, 1873	E. P. Lovejoy	James Ward Placer.	Humboldt	40 00
Nov. 7, 1873	Wells, Fargo & Co.	Mammoth Placer	do	50 00
Nov. 8, 1873	R. M. Folgar	Mountain Gold and Silver Mining Company's.	Mt. Diablo	40 00
Nov. 12, 1873	G. W. Gilbert	Geyser No. 1 Quicksilver	do	40 00
Nov. 12, 1873	Dibble & Byrne.	North Bloomfield Gravel Mining Company's.	do	60 00
Nov. 13, 1873	J. W. Searles.	Maine Borax Mining Company's /	San Bernardino.	40 00
Nov. 13, 1873	do	New York Borax Mining Co.'s	do	40 00
Nov. 13, 1873	do	Ohio Borax Mining Company's	do	40 00
Nov. 13, 1873	do	Soledad Borax Mining Company's.	do	40 00
Nov. 13, 1873	Michael Blake	Lamb & Sheldon Placer.	Mt. Diablo	50 00
Nov. 14, 1873	Fernald & Hall	Pioneer Placer.	Humboldt	50 00
Nov. 19, 1873	C. W. Crary	Pacific Placer	Mt. Diablo	40 00
Nov. 19, 1873	J. A. Benson	Coate's Placer, (resurvey)	do	40 00
Nov. 20, 1873	Jacobs & Bro	Jacob's Gold Placer.	do	60 00
Nov. 20, 1873	Evans & Bartlett	Evans & Bartlett Placer	Humboldt	60 00
Nov. 26, 1873	Morris Jacobson.	El Dorado Quicksilver.	Mt. Diablo.	30 00
Nov. 26, 1873	do	Leota Quicksilver	do	30 00
Nov. 26, 1873	do	Alice May Quicksilver	do	30 00
Dec. 1, 1873	Edw. Mahoney	Buena Vista	do	40 00
Dec. 3, 1873	John W. Searles	Mohawk Borax Association.	San Bernardino.	40 00
Dec. 9, 1873	J. L. Bulens	Saint John's Placer	Mt. Diablo.	40 00
Dec. 10, 1873	R. Geer	Willow Spring Placer.	do	10 00
Dec. 12, 1873	W. Willis	Hercules Quicksilver	do	40 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	Meridian.	Amount of deposit.
Dec. 12, 1873	M. Willis	Number Four Quicksilver	Mt. Diablo	\$40 00
Dec. 12, 1873	do	Number Three Quicksilver	do	40 00
Dec. 12, 1873	E. R. Burke	Content Gold and Silver	do	10 00
Dec. 13, 1873	A. Colby	Fairview Quartz	do	40 00
Dec. 18, 1873	Charles Brown	Brown Placer	do	40 00
Dec. 18, 1873	N. Gard & P. Orr	Gard & Orr Placer	do	35 00
Dec. 18, 1873	C. W. Hendel & M. Emory	Mount Pleasant Placer	do	35 00
Dec. 20, 1873	Thaddens B. Kent	Shawmut Quartz	do	40 00
Dec. 22, 1873	E. Conway	Cherokee Flat Blue Gravel	do	20 00
Dec. 23, 1873	Mrs. Matilda Hill	Sweeney Quartz	do	40 00
Dec. 23, 1873	J. F. Rooney	Fairview Quartz	do	20 00
Dec. 31, 1873	E. J. Baldwin	Rainbow Gold	San Bernardino	40 00
Dec. 31, 1873	do	Moonlight Gold	do	40 00
Dec. 31, 1873	do	Littlefield Gold	do	40 00
Jan. 8, 1874	John H. Smith	Eastman Placer	Humboldt	55 00
Jan. 8, 1874	Morris Jacobson	Lena Quicksilver	Mt. Diablo	40 00
Jan. 8, 1874	do	Enterprise Quicksilver	do	40 00
Jan. 13, 1874	L. M. Kellogg	Eureka Consolidated Placer	do	40 00
Jan. 13, 1874	E. R. Burke	Commonwealth Gold and Silver Quartz.	do	25 00
Jan. 14, 1874	De Kruse & Butts	Grant Quartz	do	40 00
Jan. 15, 1874	C. L. Jones	Wall Street Quicksilver	do	40 00
Jan. 15, 1874	E. P. Lovejoy	Coyle Placer	Humboldt	40 00
Jan. 15, 1874	H. & B. Jacobs	Jacob's Gold Placer	do	15 00
Jan. 16, 1874	W. A. Knapp	Mountain Mining Company's Mine and Mill-Site	Mt. Diablo	40 00
Jan. 16, 1874	do	White Mountain Quartz Mining and Mill-Site.	do	40 00
Jan. 16, 1874	Dibble & Byrne	Crescent Gold Quartz.	do	40 00
Jan. 16, 1874	Ira H. Reed & J. Hillary	Reed & Hillary Quartz	do	40 00
Jan. 17, 1874	do	Lone Star Quartz	do	40 00
Jan. 17, 1874	J. N. Thorn	Woodville Gold Gravel	do	40 00
Jan. 19, 1874	M. Kerr	Ural Quicksilver	do	40 00
Jan. 20, 1874	James Hepburn	Williams & Hughes Placer	do	25 00
Jan. 23, 1874	John E. Evans	American Placer	do	40 00
Jan. 26, 1874	George C. Perkins	Fitch & Co. Placer	do	40 00
Jan. 27, 1874	Providence Gold and Silver Mining Company.	Myers & Summit Gold and Silver Mining Company's	do	50 00
Jan. 27, 1874	R. E. Brewster	Mammoth Quicksilver	do	40 00
Jan. 28, 1874	John D. Myer	Schlottman Placer	do	40 00
Jan. 29, 1874	Gray & Haven	American Quicksilver Mining and Mill-Site.	do	30 00
Feb. 2, 1874	N. Heath	Kelley Quartz	do	35 00
Feb. 2, 1874	do	Clio Quartz	do	40 00
Feb. 2, 1874	C. L. Street	Eureka Gold Quartz	do	40 00
Feb. 3, 1874	Joseph French	Minerva Gold and Silver	do	40 00
Feb. 3, 1874	Gardner & O'Neill	Bartolo Gold Quartz	do	40 00
Feb. 9, 1874	Marcus H. Peck	Copper Hill	do	40 00
Feb. 10, 1874	Highland Mary Mining Co	Highland Mary Placer	do	35 00
Feb. 10, 1874	Edmund Wallace	Alpine Quartz	do	40 00
Feb. 17, 1874	C. V. D. Hulburt.	Jefferson Gold and Silver	do	40 00
Feb. 18, 1874	William Kerr	Kerr Placer	do	40 00
Feb. 19, 1874	Owen Lennan	Lennan Quartz	do	40 00
Feb. 21, 1874	Evans & Bartlett	Evans & Bartlett Placer	Humboldt	25 00
Feb. 26, 1874	R. E. Brewster	London Quicksilver	Mt. Diablo	40 00
Feb. 26, 1874	do	Azoque Quicksilver	do	40 00
Feb. 27, 1874	J. W. Gashwiler	Shanghai Quartz	do	20 00
Feb. 27, 1874	John Hodgkins	Pyramid Gold and Silver	do	40 00
Feb. 27, 1874	C. W. Brewster	Rose Quartz	do	40 00
Feb. 28, 1874	J. C. Shrader	Blue Ledge Quartz	do	35 00
Feb. 28, 1874	Antone Thomas	Dutch Flat Quartz	do	40 00
Mar. 3, 1874	R. M. Folger	Mountain Gold and Silver, No. 1	do	10 00
Mar. 5, 1874	Dibble & Byrne	Osborn Hill Quartz	do	35 00
Mar. 6, 1874	A. J. Doolittle	Liberty Hill Placer	do	15 00
Mar. 9, 1874	J. A. Robinson	Cynthia Gold	San Bernardino	40 00
Mar. 10, 1874	David Frohne	American Placer	Mt. Diablo	20 00
Mar. 10, 1874	W. P. Morrison	Morrison Gold Mine and Mill-Site.	San Bernardino	40 00
Mar. 10, 1874	R. M. Widney	Jesus Redondo Quartz	do	40 00
Mar. 10, 1874	do	Ramona Quartz	do	40 00
Mar. 12, 1874	F. T. Maynard	Chrome No. 1 Iron	Mt. Diablo	40 00
Mar. 12, 1874	do	Chrome No. 2 Iron	do	40 00
Mar. 14, 1874	Rose & Durycs	California Placer	do	50 00
Mar. 17, 1874	C. W. Ostlin	Russian-American Placer	do	40 00
Mar. 21, 1874	E. T. Taylor	Ludekin Placer	do	40 00
Mar. 25, 1874	M. Canavan	Mountain	do	40 00
Mar. 26, 1874	Noble Hamilton	Rincon Quicksilver	do	25 00
Mar. 26, 1874	do	Tres Amigos Quicksilver	do	25 00
Mar. 26, 1874	do	San José Quicksilver	do	25 00

## O No. 2.—Statement of special individual deposits, &amp;c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	Meridian.	Amount of deposit.
Mar. 27, 1874	Taylor Mill and Mining Co	Taylor Quartz	Mt. Diablo	\$40 00
Mar. 27, 1874	Rattlesnake Mining Co	Western Extension Rattlesnake Quicksilver.	do	40 00
Mar. 27, 1874	do	Eastern Extension Rattlesnake Quicksilver.	do	40 00
May 27, 1874	do	Rattlesnake Quicksilver	do	40 00
May 27, 1874	Jeremiah Allen	California Russian Gold Quartz	do	40 00
May 30, 1874	M. Martin	Rocky Bend Quartz, Northern Extension.	do	40 00
Apr. 1, 1874	H. P. McNevin	McNevin Quartz Mine and Mill-Site.	do	40 00
Apr. 2, 1874	Malcolm McLeod	McLeod Placer	do	40 00
Apr. 2, 1874	M. C. Metzler	Old Atlantic Quartz	do	40 00
Apr. 6, 1874	Young American Mining Company	Young America Mining Company's Placer.	do	35 00
Apr. 6, 1874	A. B. Driesbach	Mount Hope Quartz.	do	40 00
Apr. 6, 1874	The Great Eastern Co	Great Eastern Quartz.	do	40 00
Apr. 6, 1874	Henry P. Bowie	Dragon Quicksilver Mine and Mill-Site.	do	40 00
Apr. 6, 1874	do	Eagle Quicksilver Mine and Mill-Site.	do	40 00
Apr. 6, 1874	do	Edith Quicksilver Mine and Mill-Site.	do	40 00
Apr. 6, 1874	do	St. George Quicksilver Mine and Mill-Site.	do	40 00
Apr. 6, 1874	do	Golden Gate Quicksilver Mine and Mill-Site.	do	40 00
Apr. 6, 1874	do	Maud Quicksilver Mine and Mill-Site.	do	40 00
Apr. 10, 1874	H. S. McKinney	McCrory Placer	do	40 00
Apr. 11, 1874	C. W. Ostlin	U. S. Hydraulic Quartz	do	40 00
Apr. 13, 1874	William Kistle	Missouri Cañon Placer	do	50 00
Apr. 14, 1874	Aug. D. Carpenter <i>et al</i>	Green Valley Blue Gravel Placer	do	40 00
Apr. 14, 1874	Maurice Renner	Blake & Caldwell Placer	do	40 00
Apr. 16, 1874	F. Smith	Heckendorn Gold and Silver	do	40 00
Apr. 17, 1874	W. R. Williams	Williams Placer	do	40 00
Apr. 17, 1874	Daniel E. Bush	Arkansas and Greenhorn Cañon Placer	do	50 00
Apr. 17, 1874	C. L. Street	Hazel Dell Quartz	do	40 00
Apr. 20, 1874	William McConaughey	Etna Placer	do	40 00
Apr. 23, 1874	J. Pershacker	Comstock Quicksilver	do	40 00
Apr. 24, 1874	Elijah Richards	Well Rough Quartz	do	35 00
Apr. 24, 1874	Thomas Fraser	Columbia and Oregon Hill Placer	do	35 00
Feb. 9, 1874	Camp & Co	Rood & Co. Placer	do	50 00
Apr. 28, 1874	R. E. Brewster	Pacific Quicksilver	do	40 00
Apr. 28, 1874	do	Eclipse Quicksilver	do	40 00
Apr. 27, 1874	A. Pelletton	Pelletton Placer	do	40 00
Apr. 30, 1874	E. W. Boyer <i>et al</i>	Fair Play Gravel	do	40 00
Apr. 30, 1874	Ariel Gravel Company	Ariel Gravel	do	40 00
May 1, 1874	William Burns	Burns Brothers Placer	do	40 00
May 4, 1874	Henry Miller	Baltimore Placer	do	40 00
May 5, 1874	John O. Hanscom	Commercial Quicksilver	do	40 00
May 5, 1874	do	Cinnabar Quicksilver	do	40 00
May 5, 1874	do	Robert Lee Quicksilver	do	40 00
May 5, 1874	John O. Hanscom	Durham Quicksilver	do	40 00
May 6, 1874	M. E. Burcker	Oriental Gold and Silver	do	40 00
May 7, 1874	Epley Gold Mining Co	Harmon	do	40 00
May 7, 1874	do	Mammoth.	San Bernardino.	40 00
May 9, 1874	H. C. Austin	Towsley Petroleum	Mt. Diablo	40 00
May 11, 1874	John H. Welch	Welch Quicksilver	do	40 00
May 13, 1874	Stephen H. Pelton	Smith & Pelton Placer	do	40 00
May 14, 1874	R. Hopkins	Quartz Glen Quartz.	do	40 00
May 15, 1874	Dibble & Byrne.	Good Hope Quartz	do	40 00
May 18, 1874	do	Champion Quartz	do	40 00
May 18, 1874	Edw. Barry	Morris Quartz	San Bernardino.	40 00
May 18, 1874	do	Manzanillo and N. Ex. Ophir	do	40 00
May 18, 1874	O. F. Thornton	Merrimack	Mt. Diablo	40 00
May 19, 1874	S. A. Kendall	Frazier Quartz	do	40 00
May 11, 1874	Louis Eichel	German Flat Mining Co.'s	do	40 00
May 22, 1874	Omega Table Mountain Co.	Omega Table Mountain.	Humboldt.	40 00
May 23, 1874	John G. Irwin	Bates & Van Meter Placer	Mt. Diablo	40 00
May 25, 1874	H. W. Schmidt	Wonder of the World Silver	do	40 00
May 29, 1874	F. L. Hatch	Buckeye Quicksilver.	do	40 00
June 2, 1874	Charles L. Prince	Somerset	do	40 00
June 2, 1874	Cascade Blue Gravel Mining Company.	Cascade Blue Gravel.	do	40 00
June 1, 1874	Barnes & Mansfield	Caledonia Quartz	do	40 00
June 3, 1874	Abraham Halsey	Eagle Gold	do	40 00
June 4, 1874	Parks & Co	Parkes Company's	do	40 00
June 4, 1874	G. J. Clarke	Morongo	San Bernardino.	40 00

O No. 2.—Statement of special individual deposits, &c.—Continued.

Date of deposit.	Name of depositor.	Name of mine.	Meridian.	Amount of deposit.
June 5, 1874	H. S. McKinney	McCrary Placer	Mt. Diablo	\$35 00
June 8, 1874	Briggs & Spagnoli	Cave City Placer	do	34 00
June 10, 1874	Charles Bogan	Sierra Rica	do	49 00
June 11, 1874	Dibble & Byrne	King Bee Quartz	do	40 00
June 12, 1874	S. W. Clary	Ellis Placer	do	40 00
June 12, 1874	Dibble & Byrne	New York Cañon Gravel	do	40 00
June 12, 1874	Surprise Quicksilver Mining Company.	Surprise Quicksilver	do	40 00
June 13, 1874	John Stork	Silver Cloud and Silver Mining Company's	do	40 00
June 15, 1874	Dibble & Byrne	North Star Quartz	do	10 00
June 15, 1874	do	Irish American Quartz	do	40 00
June 15, 1874	W. D. Farren	North Star Tunnel and Gravel	do	40 00
June 16, 1874	H. S. Craven	Eugenie Quicksilver	do	40 00
June 16, 1874	Samuel Bethill	Sacramento Placer	do	40 00
June 17, 1874	George Mosser	Lebanon Placer	do	50 00
June 18, 1874	Julius Bandmann	Manchester Gold and Silver	do	40 00
June 18, 1874	do	Chicago and Detroit Gold & Silver	do	40 00
June 19, 1874	A. J. Zane	Great Western or Zane Ledge	do	40 00
June 20, 1874	Lewis Chalmers	Buckeye No. 2, Saugatuck and Fremont.	do	40 00
June 22, 1874	Mitchell & Thomas	Alpha Quartz	do	40 00
June 23, 1874	D. A. Miller	Tolman Quartz	do	40 00
June 24, 1874	J. H. Neff	Pioneer Quartz	do	0 00
June 26, 1874	O. F. Thornton	Winchester	do	40 00
June 27, 1874	Dibble & Byrne	Sweetland Creek Placer	do	40 00
June 29, 1874	George H. Humphries	Exchange Placer	do	40 00
	<b>Total</b>			<b>10,653 00</b>

RECAPITULATION.

Amount deposited for office-work in public-land surveys	\$2,133 01
Amount deposited for office-work in mining-surveys	10,653 00
<b>Total amount deposited during the year</b>	<b>12,786 01</b>

JAS. T. STRATTON,

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 1873-74.

1873		1873	
	To amount of deposit of James Stevenson withdrawn, (see Commissioner's letter of December 4, 1873)	\$40 00	1873 July 1 By balance on hand
	To amount of deposit of J. W. Searles withdrawn, (see Commissioner's letter of December 18, 1873)	40 00	By amount of deposits on account of public land surveys, as per Exhibit O, during the fiscal year 1873-74
	To amount of deposit of W. W. Cozzens withdrawn, (see Commissioner's letter of June 3, 1874)	65 00	By amount deposited on account of mining-surveys, as per Exhibit O, during the fiscal year 1873-74
	To amount of deposit of R. E. Brewster withdrawn, (see Commissioner's letter of June 3, 1874)	40 00	
Sept. 30	To amounts paid mining clerks and draughtsmen, first quarter	4,377 24	
Dec. 31	To amounts paid mining clerks and draughtsmen, second quarter	4,550 50	
1874			
March 31	To amounts paid mining clerks and draughtsmen, third quarter	5,115 00	
June 30	To amounts paid mining clerks and draughtsmen, fourth quarter	4,549 76	
	Balance on hand	3,874 75	
		<b>22,652 25</b>	
			<b>22,652 25</b>

JAMES T. STRATTON,

United States Surveyor-General for California.

Q.—*Estimate for the surveying-service in the district of California for the fiscal year ending June 30, 1876.*

For surveying extensions of meridians, standard parallels, township extensions, and subdivision lines .....	\$100,000
For rent of office, stationery, fuel, wages of messenger, draughting-instruments, and other incidental expenses .....	8,000
For compensation of surveyor-general .....	3,000
For compensation of clerks and draughtsmen in the office of the surveyor-general .....	25,000
Total .....	136,000

JAMES T. STRATTON,  
*United States Surveyor-General for California.*

### O.—*Report of surveyor-general of Oregon.*

OFFICE SURVEYOR-GENERAL,  
*Eugene City, Oregon, August 1, 1874.*

SIR: I have the honor to submit the following report of the surveying-service in this district, accompanied by the usual tabular statements, as follows:

- A.—Surveying-contracts made and acted upon during the fiscal year ending June 30, 1874.
- B.—Statement of original plats of public surveys and copies transmitted since June 30, 1873.
- C.—Townships surveyed since June 30, 1873, with area of public lands.
- D.—Salaries paid surveyor-general and the clerks in his office for fiscal year ending June 30, 1874.
- E.—Statement showing amount and condition of special deposits made for surveys of public lands in Oregon for the fiscal year ending June 30, 1874.
- F.—Estimate for surveying and office expenses for the fiscal year ending June 30, 1876.
- G.—Whole number of mining-claims surveyed and approved up to June 30, 1874.
- H.—Statement of incidental expenses of office for fiscal year ending June 30, 1874.

#### SURVEYS.

Pursuant to appointment, I relieved William H. Odell, surveyor-general, and receipted to him for the public property connected with the office on the 1st day of April, 1874. The surveys contracted for by my predecessor, under the appropriation for the survey of the public lands in Oregon for the fiscal year ending June 30, 1874, have mostly been returned, the work examined and approved, and contracts closed. While in a few cases the field-notes are on file in the office, and will be examined as soon as it is possible to reach them with the limited clerical force at my command, some two or three deputies are yet in the field, their contracts lying in the rugged and difficult regions of the coast range, where delays are necessarily occasioned both by the uncertainty of the weather and the character of the ground. The surveys of last year thus far examined and approved embrace an aggregate of 1,556,130.74 acres, and seem to have been wisely distributed so as to supply the most urgent needs of the country. The lands included are now particularly valuable for timber and grazing, a comparatively inconsiderable portion being suitable for the general purposes of agriculture. Having come into the office near the close of the fiscal year, I am unable to add much in explanation of the work of that period to what is contained in the several schedules of statistics herewith submitted, and to which you are respectfully referred. Without anticipating the matter of the next annual report, I will remark that the surveys provided for by the appropriation of \$60,000 for the surveying-service in Oregon during the current year ending June 30, 1875, are already under contract and the deputies in the field. In compliance with the special instructions of your Office, the sum of \$3,000 was retained out of the appropriation, to be held as a contingent fund, in order to meet any excess of work that might arise in the surveys contracted for during the year. In locating the surveys projected for the current year, I have endeavored to subserve the immediate interests of advancing settlement in every part of the State, allowing myself to be guided by the actual petition and wants of the pioneer house-builders who have gone out to conquer and cultivate the public domain.

## ESTIMATES FOR 1876.

Accompanying this report will be found the estimates for surveying and office expenses of this surveying-district for the fiscal year ending June 30, 1876. The figures submitted are based upon a careful consideration of the positive requirements of the service, of the clamorous needs of the settlers now upon lands over which the public surveys have not been extended, and the assumed exigencies of the immediate future. The tide of immigration now pouring into the State with increasing volume is drawn hither by the hope of founding happy homes in a genial climate, where lands are cheap and crops unailing. The majority of emigrants come with the expectation of settling upon the public lands, and their wishes and the interests of the State should be met by a prompt extension of the surveys. The principal area of the field-work of this office will henceforward lie east of the Cascade Range. There is not a great deal of unsurveyed land in Western Oregon for which there will be any demand for years to come, and the civilization and culture, with their attendant arts and industries, which have overspread the hills and prairies and crept into the mountain-passes of the fertile regions on this side, are now pushing outward and over the great mountain-barrier into the fruitful valleys and along the grassy uplands of Eastern Oregon, where the surveyor should follow, if not lead, the hardy pioneer.

In submitting an estimate of the sum necessary to supply the office-expenses of the surveys in this district for the ensuing year, I have been actuated by an uncomfortable experience of the inadequate clerical assistance it is now possible for me to engage, the work having already accumulated to such an extent as to cause much embarrassment.

The present rapid augmentation of the general business of the office renders it imperatively necessary that the appropriation for clerk-hire should be considerably increased, in order that it may be transacted without confusion and delay, and it is to be hoped that the estimate submitted will be deemed reasonable and just.

## OFFICE-RECORDS.

My predecessor, in his annual report for last year, called your attention to the necessity of making some provision for the proper preservation of the records of this office; and I would again, in allusion to that subject, urge the propriety of securing the appropriation suggested by him. The original field-notes of most of the work submitted to the office are contained in blank books or pamphlets of the flimsiest character, which, under the almost constant use to which they are subjected, in furnishing copies to land-owners who desire to retrace their lines, or require the notes in the adjustment of disputes concerning contested boundaries, are rapidly falling to pieces, and will soon be entirely worthless as public records, unless they are speedily transcribed into substantial record-books or secured by durable binding. The plats of claim-surveys are also in a bad condition, having become so worn and defaced by continual handling that in many cases it is almost impossible to trace the lines and characters upon them. I would recommend that a reasonable appropriation be made for the competent transcription of these valuable plats upon some more indestructible material than the paper originally used.

## COAL AND MINERAL LANDS.

The mining business of Oregon shows a marked increase during the year. The coal-mines at Coos Bay continue to be extensively worked, and constitute one of the most important sources of revenue in the State. New deposits are being constantly developed, and the old ones as yet evince no signs of exhaustion. Quartz and placer gold mining is more active than heretofore in Eastern and Southern Oregon, and the survey of mining-claims is becoming a considerable branch of the business of this office. Valuable discoveries of gold, iron, and copper ores, cinnabar, and coal, are frequently reported in various parts of the State. The mineral resources of Oregon have hitherto attracted but little attention in comparison with the overshadowing importance of her commercial, agricultural, and manufacturing interests; but the time is coming when, under the magical touch of capital and the exorcism of skill, these hidden channels of treasure will open and pour their products into the swelling aggregate of her substantial wealth.

## RAILROADS.

During the last year the Oregon and California and the Oregon Central Railroads have not been extended beyond the points mentioned in former reports, to wit, Roseburgh for the former and Saint Joseph for the latter, but will, as the travel and transportation business of the country increases, be pushed forward to their final termini. These roads have a combined length of 241 miles, and are doing an excellent and thriving business. The Portland, Dalles and Salt Lake Railroad has every prospect of successful establishment under the sanction of congressional favor, and will, when completed, not only be the consummation of the long-deferred hope of a direct commu-



cation with the Atlantic States, but afford the necessary means of transportation to the eastern section of the State, where the public surveys should be rapidly extended, in order to meet the wants of accelerated settlement. A new and profoundly important railroad scheme is just now awakening the interest of the people of this State. A company has been organized and sufficient capital subscribed and assured to build a narrow-gauge road from Corvallis, in Benton County, to the Yaquina Bay, a distance of some fifty miles, with a connecting line of steamers to San Francisco. The entrance to the bay has already been surveyed under direction of Government, and the bar and harbor found to be available for the purposes of an extensive commerce.

This road will tap the very heart of the Willamette Valley, and with its connecting lines throughout the State, and perhaps with one of the great transcontinental trunks of railway, will revolutionize the commerce of the country and open the flood-gates of an immeasurable prosperity.

#### MANUFACTURES.

The lumbering trade of the State continues to increase. The extensive mills at Coos Bay have enlarged their capacity, and afford employment to a considerable fleet of sailing-vessels. An inexhaustible supply of the best timber, and notable facilities for shipment, will always render lumbering one of the leading manufacturing interests of Western Oregon. The various flouring and woolen mills throughout the State are rapidly expanding their manufacturing facilities, in order to meet an increased local demand and for shipment abroad. Oregon wool, woolen goods, and flour rank with the very best in eastern and foreign markets.

Great quantities of salmon were taken and canned on the Lower Columbia this and last year, and additional companies with extended capital have engaged in the business. Arrangements have recently been made for the establishment of an extensive manufactory of wagons and agricultural implements at some central point in the valley; and a company has been organized, and suitable buildings, with the requisite machinery, are in course of erection at the capital, for the purpose of engaging in the fruit-drying business by what is known as the "Alden" process. This enterprise is one of the highest importance to the State, as tens of thousands of bushels of excellent fruit of various kinds are left to rot annually in our orchards, long neglected for want of any adequate demand for their products.

#### AGRICULTURE.

A vastly increased area of cereals is sown each succeeding year, resulting in a heavier surplus for shipment. The wheat-crop this year is enormous, and its sale will conduce to a general brightening of the financial prospect. Our farmers are rapidly adopting the more enlightened methods of husbandry, and are bringing the resources of science and of art to second the productive efforts of a generous soil.

Wool-growing and stock-raising still engage the attention of a considerable portion of the people, and are very profitable. Great numbers of sheep and cattle are annually driven across the Cascade Range into the excellent pasture-lands of Eastern Oregon, and settlements are advancing everywhere along the rivers and lesser streams of that rich and uncultured region.

During the year the experiment of shipping grain and other products from Portland to foreign ports direct has been made, with the most flattering success. This movement enlarges the boundaries of our commercial enterprise, and will soon enable us to throw off that vassalage to San Francisco which has long restrained our intercourse with the outside world and levied an exhaustive tribute upon our exports.

Very respectfully, your obedient servant,

BEN. SIMPSON,  
*Surveyor-General for Oregon.*

Hon. S. S. BURDETT,  
*Commissioner of the General Land-Office, Washington, D. C.*

A.—Surveying contracts made under appropriation for fiscal year ending June 30, 1874.

Contract.		Name of contractor.	Location and description of lines.	Amount surveyed.			Total amount.	Remarks.
No.	Date.			Standard parallel.	Exteriors.	Subdivisions.		
186	June 11, 1873	James H. Evans	Sixth standard parallel south, from the southeast corner of township 31 south, range 40 east to State line in range 47 east; seventh standard parallel south, from southeast corner of township 35 south, range 40 east, west to the southeast corner of township 35 south, range 35 east; exterior and subdivisional lines of township 31 south, ranges 45, 46, and 47 east; township 30 south, ranges 46 and 47 east; and township 35 south, range 36 east.	<i>Ms. chs. lks.</i> 66 39 00	<i>Ms. chs. lks.</i> 78 77 83	<i>Ms. chs. lks.</i> 244 73 33	\$5,041 96	Contract closed, account transmitted and reported for payment. Township 37 south, range 36 east, surveyed, instead of township 35 south, range 36 east, designated in contract.
187	June 18, 1873	Alonzo Gesner	Exterior and subdivisional lines of township 16 and 17 south, range 24 east, and township 16 south, ranges 6 and 7 east; standard parallel, from southeast corner of township 17 south, range 23 east, to southeast corner of township 17 south, range 24 east; standard parallel, from southeast corner of township 15 south, range 23 east, to southeast corner of township 15 south, range 24 east.	12 00 00	17 77 90	120 03 17	1,872 10	Estimated amount of contract, \$4,000. Account for \$1,872.10 transmitted and reported for payment. Remainder of work in office, but not examined.
188	June 21, 1873	Nathaniel Martin	Exterior and subdivisional lines of townships 11 and 12 south, range 21 east; townships 11 and 12 south, range 30 east, townships 31 and 32 south, range 16 east; township 21 south, range 6 west; fractional townships 21 and 22 south, range 5 west.	.....	58 78 40	250 61 73	4,043 51	Account transmitted and \$3,465.48 reported for payment. Township 21 south, ranges 1 and 2 west, and township 22 south, range 1 west, were surveyed, instead of townships 21 and 22 south, range 5 west.
189	June 21, 1873	J. W. Wilkins	Exterior and subdivisional lines of townships 16 and 17 south, range 25 east; townships 16, 17, and 18 south, range 1 west, and township 16 south, range 1 west; standard parallel, from southeast corner of township 15 south, range 24 east, to the southeast corner of township 15 south, range 23 east, and the standard parallel, from the southeast corner of township 17 south, range 24 east, to southeast corner of township 17 south, range 25 east.	12 00 00	27 67 10	286 33 14	4,079 81	Account transmitted and adjusted to \$4,000, reported for payment, and contract closed.
190	June 23, 1873	J. S. Kincead	Exterior and subdivisional lines of township 30 south, ranges 13, 15, and 16 east; township 30 south, range 22 east, and the subdivisional lines of township 11 south, range 22 east, and township 12 south, range 22 east.	.....	38 23 01	379 58 16	5,092 74	Account for \$5,000 transmitted, reported for payment, and contract closed.

## A.—Surveying contracts made under appropriation for fiscal year ending June 30, 1874—Continued.

Contract No.	Contract Date.	Name of contractor.	Location and description of lines.	Amount surveyed.			Total amount.	Remarks.
				Standard parallel.	Exteriors.	Subdivisions.		
191	June 23, 1873	George H. Thurston.	Fourth standard parallel south, from southeast corner of township 17 south, range 25 east, to southeast corner of township 17 south, range 26 east, and fifth standard parallel south, from southeast corner of township 25 south, range 26 east, to southeast corner of township 25 south, range 31 east. The exterior lines of townships 18, 19, 21, 22, 23, 24, and 25 south, range 26 east; townships 23, 24, and 25 south, range 28 east; townships 23, 24, and 25 south, range 29 east; townships 23, 24, and 25 south, range 30 east; townships 23 and 24 south, range 31 east; townships 23 and 24 south, range 37 east; and the subdivisional lines of township 26 south, range 28 east; and township 23 south, range 21 east. Exteriors of townships 10 south, range 23 east, and 7 south, range 19 east, and the subdivisional lines of townships 10, 11, and 12 south, range 23 east, and township 7 south, range 19 east.	<i>Ms. chs. lks.</i> 36 00 00	<i>Ms. chs. lks.</i> 241 59 50	<i>Ms. chs. lks.</i> 89 76 43	\$5, 083 86	Account for \$5,000 transmitted, reported for payment, and contract closed.
192	June 25, 1873	H. C. Perkins	Subdivisional lines of township 24 south, ranges 27, 29, and 30 east; township 23 south, ranges 26, 27, and 30 east; and township 25 south, range 28 east.	30 04 01	340 36 30	419 08 72	3, 306 14	Account approved, \$3,200 paid, and contract closed.
193	June 25, 1873	Zenas F. Moody	Exteriors of township 13 south, ranges 23 and 24 south, ranges 24, 25, and 26 east; township 12 east; subdivisional lines of township 13 south, ranges 23, 24, 25, and 26 east; township 12 south, ranges 24, 25, and 26 east.	9 00 00	343 12 21	343 12 21	4, 231 83	Account approved for \$4,200, paid, and contract closed.
195	July 2, 1873	J. M. Dick	Exteriors and subdivisions of township 14 south, ranges 21 and 22 east; the south boundary of township 13 south, ranges 9, 10, 11, and 12 west to Pacific Ocean; and the exterior lines of township 14 south, ranges 9, 10, 11, and 12 west, south to the Aisea River; the boundary of fractional township 14 south, ranges 9, 10, 11, and 12 west.	29 78 50	99 77 94	1, 619 42	1, 619 42	Estimated amount of contract, \$3,500; \$1,619.42 approved and paid. Deputy still in the field.
196	July 9, 1873	J. D. Crawford	Exterior and subdivisional lines of township 18 south, range 45 east, and townships 17 and 18 south, range 44 east.	54 11 89	176 76 42	2, 881 54	2, 881 54	Account approved and paid. Contract closed.

197	July 14, 1873	W. H. Byars .....	Exterior of townships 9 and 10 south, ranges 29 and 30 east; subdivisions of townships 10 and 11 south, range 29 east; townships 10 and 11 south, range 30 east; township 12 south, ranges 28 and 27 east; township 9 south, range 30 east; township 13 south, ranges 27 and 28 east. First standard parallel, from southeast corner of township 5 south, range 39 east, to two chains east of quarter section corner on south boundary of section 34; township 5 south, range 42 east; and second standard parallel, from southeast corner of township 10 south, range 10 east, to southeast corner of townships 8, 9, and 10 south, range 44 east; townships 8 and 9 south, range 45 east; exteriors and subdivisions of townships 7 and 8 south, range 46 east; fractional townships 7 and 8 south, ranges 1 and 2 east. Exterior and subdivisional lines of townships 31 and 32 south, range 14 east; subdivisional lines of township 39 south, range 10 east; the exteriors and subdivisions of townships 37, 38, 39, and 40 south, range 14 west, and connection on State line, township 41 south, range 13 west.	39 42 00	65 77 10	340 57 65	5, 012 13	Account approved and transmitted. Contract closed.
198	July 15, 1873	Bann & Walden ..	Exterior and subdivisional lines of fractional townships 1 north, range 4 east, and subdivisions of township 2 south, range 6 east; and subdivisions of township 1 south, range 5 east, and township 1 north, range 4 east. Exterior and subdivisional lines of fractional townships 22 south, ranges 8, 9, 10, 11, and 12 west—so much thereof as may be found fit for settlement, and the subdivisions of townships 25 and 26 south, range 7 west.	101 77 35	101 77 35	59 71 27	2, 739 10	Estimated amount of contract, \$4,000; \$2,739.10 approved and transmitted; balance returned but not examined.
199	July 23, 1873	J. C. Tolman .....	Exterior and subdivisional lines of townships 9 and 10 south, ranges 2 and 3 east. Exteriors and subdivisions of townships 2 and 3 south, range 36 east; the exteriors and subdivisions of township 3 south, range 37 east; and subdivisions of township 1 north, range 4 east. Exterior and subdivisional lines of fractional townships 22 south, ranges 8, 9, 10, 11, and 12 west—so much thereof as may be found fit for settlement, and the subdivisions of townships 25 and 26 south, range 7 west.	24 13 68	24 13 68	120 47 27	1, 785 48	Estimated amount of contract, \$4,000; \$1,785.48 approved and transmitted; remainder of work returned but not examined.
200	July 23, 1873	ge S. Pershin	Exterior and subdivisional lines of townships 9 and 10 south, ranges 2 and 3 east.	42 03 14	42 03 14	100 31 20	2, 078 08	Account approved and contract closed.
201	Aug. 5, 1873	W. Hurlburt.....	Exterior and subdivisional lines of townships 2 and 3 south, range 36 east; the exteriors and subdivisions of township 3 south, range 37 east; and subdivisions of township 1 north, range 4 east. Exterior and subdivisional lines of fractional townships 22 south, ranges 8, 9, 10, 11, and 12 west—so much thereof as may be found fit for settlement, and the subdivisions of townships 25 and 26 south, range 7 west.	.....	.....	65 58 06	788 70	Account approved for \$788.70; remainder of work returned but not examined.
202	Mar. 12, 1874	W. H. Byars .....	Exterior and subdivisional lines of townships 17 and 18 south, range 8 west, and fractional township 16 south, ranges 6 and 7 west.	.....	.....	.....	.....	Limit of contract \$2,000. Deputy in the field.
203	Mar. 14, 1874	H. C. and J. Perkins.	Exterior and subdivisional lines of townships 17 and 18 south, range 8 west, and fractional township 16 south, ranges 6 and 7 west.	.....	.....	.....	.....	Limit of contract \$1,500. Deputy in the field.

BEN. SIMPSON,  
Surveyor-General for Oregon.

EUGENE CITY, OREGON, August 1, 1874.







C.—Townships surveyed since June 30, 1873, with area of public lands.

Number.	Description.		Area.	By whom surveyed.
	Township.	Range.		
1	4 south	25 east	23, 055. 14	Zenas F. Moody.
2	4 south	24 east	23, 046. 45	Do.
3	5 south	24 east	23, 165. 60	Do.
4	4 south	26 east	23, 144. 10	Do.
5	4 south	28 east	11, 576. 49	Do.
6	4 south	27 east	23, 139. 12	Do.
7	5 north	37 east	23, 069. 08	George Williams.
8	5 north	38 east	2, 886. 23	Do.
9	6 north	38 east	14, 095. 96	Do.
10	6 north	37 east	14, 017. 33	Do.
11	6 north	5 west	18, 774. 24	T. B. Handley.
12	5 north	6 west	22, 969. 14	Do.
13	5 north	5 west	12, 770. 47	Do.
14	31 south	45 east	23, 055. 93	J. H. Evans.
15	30 south	47 east	903. 33	Do.
16	31 south	47 east	910. 24	Do.
17	30 south	46 east	23, 053. 50	Do.
18	31 south	46 east	23, 082. 45	Do.
19	37 south	36 east	23, 050. 55	Do.
20	16 south	25 east	22, 537. 10	Jasper W. Wilkins.
21	17 south	25 east	23, 056. 88	Do.
22	16 south	1 east	23, 016. 77	Do.
23	16 south	1 west	18, 057. 27	Do.
24	17 south	1 west	8, 081. 95	Do.
25	18 south	1 west	11, 789. 64	Do.
26	7 north	9 west	10, 000. 64	H. J. Stevenson.
27	8 north	7 west	3, 148. 90	Do.
28	7 north	8 west	18, 318. 72	Do.
29	39 south	4 west	4, 791. 52	Jason Owen.
30	38 south	4 west	3, 213. 02	Do.
31	13 south	23 east	9, 080. 00	Do.
32	12 south	24 east	23, 062. 45	Do.
33	13 south	24 east	15, 259. 42	Do.
34	13 south	25 east	15, 339. 76	Do.
35	12 south	25 east	23, 068. 21	Do.
36	13 south	26 east	18, 712. 82	Do.
37	12 south	26 east	20, 253. 50	Do.
38	2 south	6 east	23, 039. 38	Henry Meldrum.
39	1 south	6 east	9, 467. 52	Do.
40	4 south	7 west	23, 059. 85	Do.
41	3 south	6 west	23, 213. 99	Do.
42	4 south	6 west	16, 145. 45	Do.
43	3 south	7 west	8, 800. 00	Do.
44	26 south	28 east	21, 754. 19	George S. Thurston.
45	23 south	31 east	8, 374. 49	Do.
46	23 south	26 east	23, 070. 36	Zenas F. Moody.
47	24 south	27 east	23, 033. 02	Do.
48	23 south	27 east	23, 024. 67	Do.
49	25 south	28 east	20, 898. 83	Do.
50	24 south	30 east	23, 087. 52	Do.
51	24 south	29 east	22, 995. 12	Do.
52	23 south	30 east	23, 051. 82	Do.
53	17 south	24 east	23, 082. 61	Alonzo Gesner.
54	16 south	24 east	22, 545. 70	Do.
55	11 south	21 east	23, 480. 49	John S. Kincaid.
56	12 south	21 east	23, 061. 84	Do.
57	12 south	22 east	23, 001. 45	Do.
58	10 south	22 east	11, 201. 60	Do.
59	11 south	22 east	23, 041. 82	Do.
60	12 south	20 east	23, 630. 04	Do.
61	11 south	20 east	17, 453. 43	Do.
62	10 south	29 east	8, 327. 80	William H. Byars.
63	11 south	29 east	23, 119. 98	Do.
64	12 south	27 east	6, 894. 00	Do.
65	13 south	27 east	13, 596. 82	Do.
66	12 south	28 east	7, 460. 04	Do.
67	11 south	30 east	8, 127. 99	Do.
68	13 south	28 east	23, 387. 57	Do.
69	10 south	30 east	12, 684. 50	Do.
70	9 south	30 east	22, 874. 63	Do.
71	31 south	16 east	11, 168. 06	Nathaniel Martin.
72	32 south	16 east	11, 310. 11	Do.
73	30 south	16 east	17, 289. 16	Do.
74	30 south	15 east	22, 860. 83	Do.
75	30 south	13 east	12, 629. 92	Do.
76	21 south	2 west	2, 080. 58	Do.
77	21 south	1 west	3, 841. 34	Do.
78	22 south	1 west	3, 040. 00	Do.



## C.—Townships surveyed since June 30, 1873, with area of public lands—Continued.

Number.	Description.		Area.	By whom surveyed.
	Township.	Range.		
79	12 south	23 east	23, 094. 15	H. C. Perkins.
80	10 south	23 east	23, 063. 57	Do.
81	11 south	23 east	23, 085. 09	Do.
82	7 south	19 east	23, 113. 07	Do.
83	14 south	21 east	22, 974. 34	Jeremiah M. Dick.
84	14 south	22 east	14, 714. 80	Do.
85	17 south	44 east	23, 405. 84	J. D. Crawford.
86	18 south	44 east	23, 358. 97	Do.
87	18 south	45 east	21, 320. 61	Do.
88	9 south	2 east	16, 798. 16	George S. Pershin.
89	9 south	1 east	20, 544. 89	Do.
90	10 south	2 east	2, 910. 87	Do.
91	8 south	46 east	22, 983. 94	Barin and Walden.
Total acres			1, 556, 130. 74	

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Eugene City, Oreg, August 1, 1874.

BEN. SIMPSON,  
Surveyor-General of Oregon.

## D.—Statement of salaries paid the surveyor-general of Oregon and the clerks in his office during the fiscal year ending June 30, 1874.

No.	Names.	How employed.	Term of service.	Amount paid.
1	W. H. Odell	Surveyor-general	From July 1, 1873, to March 31, 1874	\$1, 875 00
2	Benjamin Simpson	do	From April 1, 1874, to June 30, 1874	625 00
3	A. W. Stowell	Chief clerk	From July 1, 1873, to March 31, 1874	1, 200 00
4	R. P. Earhart	do	From April 1, 1874, to June 30, 1874	450 00
5	George Stowell	Draughtsman	From July 1, 1873, to June 30, 1874	1, 400 00
6	William J. Shipley	Transcribing clerk	do	1, 200 00
7	William R. Walker	do	From July 1, 1873, to March 31, 1874	900 00
8	Samuel L. Simpson	do	From April 15, 1874, to June 30, 1874	250 00
Total amount				7, 900 00

MEMORANDUM.—Amount appropriated for fiscal year ending June 30, 1873, \$7,900.

OFFICE SURVEYOR-GENERAL,  
Eugene City, Oreg., August 1, 1874.

BEN. SIMPSON  
Surveyor-General, Oregon.

E.—Statement showing amount of special deposits made for survey of public lands in Oregon for fiscal year ending June 30, 1874.

Date.	Name of depositor.	For field-work.	For office-work.	Date.	Amounts drawn.	For field-work.	For office-work.
1873.				1874.			
Dec. 9	John Dame .....		\$12 00	Apr. 15	Amount drawn by mining clerks and draughtsman.		\$50 00
Dec. 9	E. W. Sprague .....		12 00				
Dec. 12	Patrick McHugh .....		12 00	June 30	Balance .....	\$230 00	114 00
Dec. 12	James Lynn and Thos. Clovnau.		12 00				
1874.							
Feb. 16	Chas. Dewey .....	\$40 00	10 00				
Feb. 24	F. G. Lockhart .....		12 00				
Mar. 18	Lot Livermore .....	190 00	10 00				
Feb. 4	J. Copeland & Co .....		12 00				
Feb. 4	Shumway & Colt .....		12 00				
Mar. 27	Messrs. Lane Bros. & Co.		12 00				
June 23	A. H. Brown .....		12 00				
June 23	James Lynn & Co .....		12 00				
June 23	P. L. Shumway .....		12 00				
June 23	J. Copeland & Co .....		12 00				
	Total .....	230 00	164 00		Total .....	230 00	164 00

BEN. SIMPSON,  
Surveyor-General, Oregon.

SURVEYOR-GENERAL'S OFFICE,  
Eugene City, Oreg., August 1, 1874.

F.—Estimate of amount required for the surveying service in the district of Oregon for the fiscal year ending June 30, 1876.

FOR FIELD-WORK.

Surveying 72 miles standard lines, at \$15 per mile .....	\$1,080
Surveying 1,000 miles exterior township lines, at \$14 per mile .....	14,000
Surveying 4,500 miles subdivisonal lines, at \$12 per mile .....	54,000
Surveying 24 miles standard lines, at \$18 per mile .....	432
Surveying 150 miles exterior township lines, at \$16 per mile .....	2,400
Surveying 1,440 miles subdivisonal lines, at \$14 per mile .....	20,160
	\$92,072

FOR OFFICE-WORK.

For salary of surveyor-general .....	2,500
For salary of chief clerk .....	1,800
For salary of draughtsman .....	1,600
For salary of assistant draughtsman .....	1,400
For salaries of four office clerks .....	4,800
For office-rent, stationery, fuel, messenger, &c .....	3,000
	15,100

Total amount .....

107,172

BEN. SIMPSON,  
Surveyor-General, Oregon.

H.—Statement of amounts paid for office-rent, fuel, stationery, pay of messenger, and other incidental expenses of the surveyor-general's office in Oregon for fiscal year ending June 30, 1874.

Date.		Amount.	Date.		Amount.
1873-'74. Sept. 30	To amount paid during third quarter, 1873, as per vouchers and account rendered.	\$521 87	1873-'74. July 1 1873	By amount of appropriation, by act of Congress, for the fiscal year ending June 30, 1874.	\$2, 000 00
Dec. 31	To amount paid during fourth quarter, 1873, as per vouchers and account rendered.	454 87			
Mar. 31	To amount paid during first quarter, 1874, as per vouchers and accounts rendered.	481 97			
June 30	To amount paid during second quarter, 1874, as per vouchers and accounts rendered.	536 26			
	Balance .....	5 03			
		2, 000 00			2, 000 00

BEN. SIMPSON,  
Surveyor-General, Oregon.

SURVEYOR-GENERAL'S OFFICE,  
Eugene City, Oreg., August 1, 1874.

P.—Report of surveyor-general of Washington Territory.

SURVEYOR-GENERAL'S OFFICE, WASHINGTON TERRITORY,  
Olympia, August 22, 1874.

SIR: I have the honor to transmit herewith, in duplicate, a report of the surveying operations in this district for the fiscal year ending June 30, 1874. Accompanying and forming a part of this report are the following tabular statements, viz:

- A.—Showing the condition of contracts not closed at the date of last annual report.
- B.—Showing the character and condition of public surveys in Washington Territory contracted for under the appropriation for the fiscal year ending June 30, 1874.
- C.—Showing the number of plats made and the number of miles and acres in each township surveyed in Washington Territory during the fiscal year ending June 30, 1874.
- D.—Showing the amount and condition of appropriation and the amount paid on contracts for surveys executed during the fiscal year ending June 30, 1874.
- E.—Showing the amount and condition of appropriation for salary of surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.
- F.—Showing amount and condition of the appropriation for compensation of clerks and draughtsmen in the office of the surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.
- G.—Showing the amount and condition of appropriation for the incidental expenses of the office of surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.
- H.—Showing estimated amount required for the surveying service in the district of Washington Territory for the fiscal year ending June 30, 1876.
- I.—Showing amount and condition of special deposits made during the fiscal year ending June 30, 1874.
- K.—Showing amount, character, and condition of the surveys of Indian reservations in Washington Territory contracted for under the appropriation for the fiscal year ending June 30, 1874.

Of the public lands in this district there have been surveyed during the period embraced in this report 1,489,004.29 acres, making an aggregate distance of 4,799 miles 20 chains and 94 links, as shown more particularly in Statement C, with the exhibits thereto; and of Indian reservations, 44,982.61 acres, a distance of 478 miles 48 chains and 48 links, as shown by Statement K, with the exhibits thereto. To copy the field-notes and prepare the plats for this extensive survey with my present limited office-force has created the absolute necessity of overworking all my assistants during the winter-months so that deputy surveyors might not suffer seriously from almost unavoidable delays caused thereby in receiving pay for their work.

The office-work on the Indian-reservation surveys is fully double that of the public

surveys for the same amount of appropriation. While but one copy of the field-notes and three copies of the plats have been required for the latter, I have been obliged to make three copies of the field-notes and four of the plats of the former, one of each for the superintendent of Indian affairs, in addition to the two copies sent to Washington. Heretofore this office has had only one chief draughtsman and one assistant draughtsman; the service of the latter I have been compelled to dispense with entirely on account of the reduction of the appropriation for that purpose, which was entirely inadequate before to meet the demands of the deputies.

In awarding the several surveying contracts for 1874, I have endeavored to so distribute them as to cover the oldest settled portions of the Territory, and for the purpose of ascertaining these facts, in some cases I have even reserved the right of designating the subdivision of some particular township, the exterior lines of which were mentioned in the contract, but of which I was not sure of sufficient settlement to warrant a survey at the time of letting the contract. The limited appropriation for the year ending June 30, 1875, will be entirely inadequate to fulfill the requirements of the settlers in this Territory, and I am compelled to abandon the extension of any of the meridians mentioned in my last report; therefore cannot now prosecute further some surveys which should be made this year. As the recently acquired islands must be surveyed out of this appropriation, I shall retain a sufficient amount to cover any excess over the estimated amount which may arise from the extensive meanders, along their irregular shore-lines, although I deem my estimates in these contracts ample for all such contingencies.

#### SURVEY OF INDIAN RESERVATIONS.

The following small reservations in the Puget Sound country have been surveyed and subdivided into forty-acre tracts during the year, according to instructions received from the General Land-Office, and in compliance with the directions of the superintendent of Indian affairs for this Territory, viz: Tulalip, Puyallup, Lummi, Swinomish, Port Madison, Chehalis, Skokomish, Nisqually, Squaxin, and Muckleshoot. The survey of the Neah Bay and Quinalt reservations was not deemed necessary by the superintendent of Indian affairs, but in lieu thereof he requested that the balance of the appropriation should be expended on the Simcoe or Yakama reservation, in subdividing such portions of such reservation as the local agent should direct and which were not included in contract No. 157, dated April 17, 1873, which contract did not include even that portion of the reservation on which the agency buildings were located. For this purpose I directed a party of deputy surveyors to proceed to that reservation and subdivide such portions as the agent thereon might designate, not to exceed the balance of the appropriation for such purposes, which is now being done.

#### DONATION CLAIMS.

I beg leave respectfully to call your attention to the difficulties and embarrassments constantly occurring to others from a delay on the part of donation claimants, under the act of September 27, 1850, and the subsequent amendments thereto, in not being required to have their claims surveyed and segregated from other lands, so that other claimants or settlers taking lands under the laws of Congress, may not have their titles or improvements jeopardized by any change of the boundaries of a donation claimant which he may decide to make prior to the survey and platting of his claim.

Under existing laws this character of claimants, where their claim was made prior to the public surveys, may defer indefinitely their application for survey by failing to come forward and pay for the same. If section 6, act of September 27, 1850, is construed as inoperative in this respect, as I believe has been decided by your predecessors, then there should be some act of limitation passed requiring the survey of all donation-claims, within some reasonable time, at the expense of the claimant, and any failure on their part to comply with the law should require them to take claims by legal subdivisions.

#### TIMBERED LANDS.

The attention of many has been attracted within the last few years to the unparalleled growth and utility of the yellow and red fir and cedar of Western Washington; which, to the casual observer, would promise a supply equal to the demand of the United States for at least a century to come; but upon a more careful examination of the real condition of this timber, the practical lumberman will arrive at a very different conclusion in regard to the quantity which would prove available at anything like the present market value. Extensive areas are annually destroyed by fire, other tracts of apparently thrifty growth are found to be unsound and defective for lumbering-purposes, while a very large proportion of the whole area is at present inaccessible, and will remain so until an increased demand will warrant the expense of constructing roads or other means of transportation to salt water.

That portion of the timber which is at present accessible, being located contiguous to streams flowing into the Sound, should bear no relation whatever in value to other tracts more remotely situated; and should the Government decide to sell this timber in tracts of 160 acres, (or any other quantity,) at a fixed price per acre, without regard to location, I can conceive of no advantage that will accrue to the Government; but, on the other hand, should the Government decide to sell these timbered lands at a graduated scale of prices, fixed by some competent Government officer in accordance with their location and true value, I should deem it the most certain and practical method of realizing something like a just compensation for these valuable lands; and in my opinion this will be the only plan which the Government can adopt to dispose of the densely timbered lands of the Territory. The greatest proportion of all the lands sought for in Western Washington is for the value of the timber, more than for what the land will produce after it is cleared, and any act of Congress passed for the disposal of timbered lands in this Territory should not so closely discriminate as to whether the land is agricultural land or not, but whether the land is actually more valuable for its timber than for agricultural purposes. Much of the best timbered land is good agricultural land when cleared, but as a general rule will not be cleared unless the timber can be sold to defray the expenses of clearing.

#### AGRICULTURAL LAND.

Much has been already truthfully written in praise of the agricultural lands of Eastern Washington, which are as yet but inadequately developed as a grain-growing country, owing to the great distance from any available market and the necessarily high rates of transportation charged for such productions, the result of which has turned the attention of the farmer to stock-raising or wool-growing, both of which pursuits the country and climate are peculiarly adapted to, the whole country being covered with the well-known nutritious "bunch-grass," which affords excellent pasture for stock the whole year.

To illustrate the fertility of the soil in this portion of the Territory, and its adaptability as a grain-growing country, I give herewith a few examples derived from an unquestionable source.

Mr. William Masterson of Walla-Walla, on section 8, township 6 north, range 36 east, raised in 1872, from ten acres of land on which corn had been cultivated the year previous, 850 measured bushels of wheat, which weighed 62 pounds per bushel, or an average of 85 bushels per acre. Mr. C. Maiers, on section 5, township 6 north, range 37 east, last year from a field of 60 acres of fall wheat harvested 4,020 measured bushels, which weighed 61 pounds per bushel, or an average of 67 bushels per acre.

Mr. Robert Kennedy, of Walla-Walla, on section 5, township 7 north, range 37 east, from 150 acres of volunteer wheat (seed sown while harvesting the previous crop) harvested in 1873 5,250 bushels, or an average of 35 bushels per acre, which weighed 62 pounds per bushel. Whitman and Stevens Counties are generally conceded to be equally well adapted to grain-growing; and should there ever be an outlet to the waters of Puget Sound the wheat of Washington Territory would soon rank among the first in the markets of the world.

Flax is now being cultivated quite extensively for the seed in Whitman County, and the sugar-beet is successfully raised throughout Eastern Washington. On the west side of the Cascade Mountains, in the valleys of the Chehalis, Skagit, White, and Puyallup Rivers, the same successful results have been arrived at in raising grain as in the eastern portion of the Territory.

Hops are also raised in great abundance in all the valleys, and fruit attains the greatest perfection throughout the whole Territory.

#### COAL.

It is now a well-established fact that an extensive coal-basin exists throughout that portion of the Territory west of the Cascade Mountains, from the Columbia River to the British line. Outcroppings of coal-seams cut by the various water-courses are found in many townships already surveyed, and known to exist quite extensively outside of the limits of the present surveys. Seams are often found from 6 to 15 feet in thickness, and generally embedded in sandstone casings.

The returns of the deputy surveyor are entirely inadequate to determine the location of coal deposits or even numerous outcroppings, for the reason that unless the seam happens to be exposed where the section-lines cross it the deputy has but a limited opportunity of knowing that coal exists at all in the township, as he is not obliged under his contract to deviate from the section-lines over which himself and party pass while executing his work; the consequence is that nearly all the valuable coal-discoveries made in the Territory are by subsequent explorations, and often by parties who obtain, or attempt to obtain, titles to the land under either the homestead or pre-emption laws.

In this connection I beg leave to suggest that the interests of the Government would be greatly promoted by the appointment of an efficient agent for this Territory, whose business it should be to make an examination of all lands of this character prior to the acceptance of final proof by the local land-officers, and who could at other times look after the protection of Government timber.

Extensive preparations for coal-mining are now being made along the line of the Northern Pacific Railroad south of this place, and also at and near Seattle, where capitalists are already directing their attention toward the development of these mines. The quality of all the coal found in this Territory proves eminently satisfactory for all domestic purposes, and although evidently of a later formation than some of the Pennsylvania coal-fields, yet every analysis gives from 40 to 46 per cent. of fixed carbon and about the same percentage of volatile hydrocarbon, with but little residue or ash, and scarcely any traces of sulphur or other objectionable matter.

I also transmit by express the usual annual map, showing the extent of surveys in this Territory since my last annual report.

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

W. McMICKEN,

*Surveyor-General, Washington Territory.*

Hon. S. S. BURDETT,

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

A.—Statement showing the condition of contracts not closed at date of last annual report.

Contract No.	Date.	Name of deputy.	Description of work mentioned in contract.	Description of work actually performed.	Area.	Distance.	Rate.	Amount paid on contracts.	Remarks.
136	1872. July 13	Edwin Richardson.	Exterior lines of township 26 north, ranges 34, 35, 36, and 37 east.	Subdivisional lines of township 26 north, ranges 31, 32, and 33 east.	86,492.84	179 01 53	\$12 00	\$2,148 27	Deputy released from survey of township 26 north, ranges 34, 35, 36, and 37 east, and allowed to subdivide township 26 north, ranges 31, 32, and 33 east, as per letter from General Land-Office, August 22, 1873.
140	July 17	Edgar M. Morgan.	Subdivisions of township 28 north, range 1 west.	Subdivisions of township 28 north, range 1 west.	23,039.89	60 02 76	14 00	840 48	Completed, and account forwarded.
141	July 20	Smith & Reeves...	Exterior lines of township 20 north, ranges 17 and 18 east, and subdivisional lines of township 20 north, range 17 east; exterior lines of townships 18 and 19 north, range 17 east, and the subdivisional lines of township 19 north, range 5 east.	Exterior and subdivisional lines of townships 18 and 19 north, range 17 east, and subdivisional lines of township 19 north, range 5 east.	69,134.93	207 46 00	12 00 } 14 00 }	2,665 51	Deputies released from survey of township 20 north, ranges 17 and 18 east, and allowed to subdivide township 18 north, range 17 east, in place thereof, as per letter from General Land-Office, dated July 1, 1873.
149	Aug. 17	Francis F. Lochr...	Subdivisional lines of township 7 north, range 38 east.	South boundary and subdivisions of township 7 north, range 38 east.	9,600.00	28 05 72	12 00 } 14 00 }	348 91	Balance of the contract completed.
158	1873. April 22	Abbott & Jameson.	Sixth standard parallel through range 40 east; exterior and subdivisional lines of township 25 north, range 40 east; exterior and subdivisional lines of township 36 north, range 38 east, and subdivisional lines of townships 15 and 16 north, range 31 east.	Sixth standard parallel through range 14 east, and the exterior and subdivisional lines of township 25 north, range 40 east.	23,041.06	78 01 33	12 00 } 14 00 } 15 00 }	978 26	South boundary resurveyed, as per letter of instructions from General Land-Office, dated July 5, 1873. Remainder of contract annulled. (See letter from this office under date of November 22, 1873, and reply thereto, under date of December 18, 1873.)
160	July 11	Edwin Richardson.	Subdivisional lines of township 26 north, ranges 31, 32, and 33 east.	.....	193,308.72	552 57 64	.....	6,981 43	Disapproved; but the work executed under special instructions under contract No. 136.
Total.....									

EXHIBIT No. 1.		EXHIBIT No. 2.	
Description of work.	Distance.	Rate.	Cost.
Standard-lines.....	6 00 00	\$15 00	\$90 00
Township-lines.....	42 08 49	14 00	589 48
Subdivision-lines.....	501 32 22	{ 12 00 }	6,256 99
Meander-lines.....	3 16 93	{ 14 00 }	44 96
Total.....	552 57 64	.....	6,981 43

Balance of the appropriation for the fiscal year ending June 30, 1873.....	\$7,065 01
Amount disallowed on contracts 1872-'73.....	398 43
Amount paid on contracts as above.....	\$7,463 44
Balance reverting to United States Treasury.....	6,981 43
	482 01

SURVEYOR-GENERAL'S OFFICE,  
Olympia, W. T., August 22, 1874.

W. McMICKEN,  
Surveyor-General of Washington Territory.



B.—Statement showing the character and condition of the public surveys in Washington Territory contracted for under the appropriation for the fiscal year ending June 30, 1874.

Contract.		Name of deputy.	Character and location of work.	Condition of work.
No.	Date.			
161	1873. July 11	Stearns & Berry .....	Exterior and subdivision lines of township 13 north, ranges 1 and 2 east. Exterior and subdivision lines of township 12 north, ranges 3 and 4 west.  Subdivision lines of township 12 north, range 1 east. Subdivision lines and meanders of township 10 north, range 2 west.	Complete. *Township 12 north range 3 west, incomplete. Complete.
162	July 18	Spray & Brown .....	First standard parallel of township 5 north, ranges 11 and 12 east. Exterior and subdivision lines of township 5 north, ranges 11 and 12 east.	Do. Do.
163	July 23	Edgar M. Morgan .....	Exterior lines of townships 25 and 26 north, range 7 east. Subdivision lines of townships 24, 25, and 26 north, range 7 east.	Do. *Township 26 north range 7 east, incomplete. *Do.
164	July 19	David D. Clark .....	Meander lines of townships 24, 25, and 26 north, range 7 east. Exterior lines of townships 21 and 22 north, ranges 42 and 44 east. Exterior lines of township 21 north, range 45 east. Exterior lines of township 23 north, range 43 east. Subdivisions of all of above .....	Complete. Relinquished. Do. Complete, except township 21 north, range 45 east, and township 23 north, range 43 east.
165	July 23	William Jameson .....	Exterior and subdivision lines of township 14 north, range 1 east. Exterior and subdivision lines of township 15 north, ranges 1 and 2 east.	Complete. *Township 15 north range 2 east, incomplete.
166	July 31	Dudley S. B. Henry .....	Exterior and subdivision lines of township 16 north, ranges 2 and 3 east. Subdivision lines of township 17 north, range 3 east.	Complete. Do.
167	July 31	Walter B. Hall .....	Exterior and subdivision lines of township 19 north, range 6 east. Exterior and subdivision lines and meanders of townships 27 and 28 north, range 7 east.	Do. Do.
168	Aug. 5	Thomas M. Reed, G. F. Whitworth, and J. M. Whitworth.	Survey of San Juan, Lopez, Blakely, Decatur, Cypress, and Shaw Islands, townships 34, 35, and 36 north, ranges 1, 2, 3, and 4 west.	Disapproved.
169	July 21	Truax & Briggs .....	Exterior lines of townships 17 and 18 north, ranges 39, 40, 41, and 42 east. Exterior lines of townships 19 and 20 north, ranges 39, 40, 41, 42, 43, 44, and 45 east. Subdivision lines of townships 17, 18, and 19 north, range 42 east. Subdivision lines of townships 19 and 20 north, ranges 43, 44, and 45 east.	Complete. Do. Do. Do.
170	Aug. 2	Lœhr & Knowlton .....	Exterior and subdivision lines of township 10 north, ranges 42 and 43 east. Exterior and subdivision lines of township 11 north, range 36 east. Exterior and subdivision lines of townships 11 and 12 north, range 37 east. Subdivision lines of township 11 north, range 38 east.	Do. Do. Do. Do.
171	July 18	James T. Sheets .....	Exterior and subdivision lines of township 21 north, range 40 east. Exterior and subdivision lines of townships 21 and 22 north, range 43 east. Exterior and subdivision lines of township 18 north, range 5 east. Subdivision lines of townships 17 and 18 north, range 4 east.	*Exteriors completed. Complete. Do. Do.

B.—Statement showing the character and condition of the public surveys in Washington Territory, &c.—Continued.

Contract.		Name of deputy.	Character and location of work.	Condition of work.
No.	Date.			
172	1873. July 12	Lewis Van Vleet . . . . .	Exterior lines of townships 21 and 22 north, ranges 31, 32, and 39 east.  Subdivision lines of townships 21 and 22 north, ranges 31 and 32 east. Subdivision lines of township 21 north, range 39 east. Meander lines of township 21 north, range 32 east.	*Townships 21 and 22 north, range 31 east, completed. *Do. *Incomplete. *Do.
173	July 18	Charles A. White . . . . .	†Sixth standard parallel of township 24 north, range 41 east. Exterior and subdivision lines of townships 23, 24, and 25 north, range 41 east.	Complete. *Exteriors of townships 23, 24, and 25 north, range 41 east, completed, and subdivisions of townships 2 and 24 north, range 41 east.
175	Aug. 29	Henry S. Gile . . . . .	Exterior and subdivision lines of township 24 north, ranges 39 and 40 east. Exterior lines of township 11 north, range 9 west. Subdivision lines and meanders of township 11 north, ranges 9 and 10 west.	*Exteriors complete. Incomplete. Do.
177	Sept. 3	James T. Berry . . . . .	Exterior and subdivision lines of township 11 north, range 3 west.	Complete.
178	Aug. 8	Levinus M. Swift . . . . .	Exterior lines of township 15 north, ranges 42 and 43 east. Subdivision lines of township 15 north, ranges 39, 40, 41, 42, and 43 east.	Do. Do.
179	Sept. 17	John A. Tennant . . . . .	Exterior and subdivision lines of township 40 north, range 4 east. Subdivision lines of township 39 north, range 3 east. Subdivision lines of sections 25, 26, 35, and 36, of township 39 north, range 1 east. Subdivisions and meanders of east half of township 38 north, range 3 east. Subdivision lines (fractional) of township 20 north, range 4 east.	Do. Do. Do. Do. Do. Do.
181	Nov. 10	John V. Meeker . . . . .	Exterior and subdivision lines of township 3 north, ranges 10 and 11 east.	Incomplete.
182	Nov. 20	Samuel J. Spray . . . . .	Subdivision lines and meanders of township 20 north, range 3 east.	Special deposit.
183	Nov. 20	Edgar M. Morgan . . . . .	Ninth standard parallel of township 36 north, range 4 east.	Complete.
185	Dec. 19	Joseph M. Snow . . . . .	Exterior and subdivision lines of township 36 north, range 4 east.	Do.
186	1874. Jan. 14	Edgar M. Morgan . . . . .	Subdivision lines and meanders of township 25 north, range 6 east. Subdivision lines of township 27 north, range 5 east.	*Incomplete. *Do.
189	Mar. 9	Ross P. Shoecraft . . . . .	Exterior lines of township 23 north, ranges 2 and 3 west. Subdivision lines and meanders of township 23 north, ranges 2 and 3 west.	Complete. Do.
190	Mar. 10	Edwin Richardson . . . . .	Exterior and subdivision lines of township 21 north, ranges 35 and 36 east.	*Incomplete.

\* Completed since June 30, 1874.

† The survey of the exteriors of townships 17 and 18 north, ranges 39 and 40 east, and townships 19 and 20 north, ranges 39, 40, and 41 east, relinquished, and townships 17 and 18 north, range 41 east, subdivided in place thereof.

‡ In addition to work executed under this contract the deputy was obliged to run the range line between ranges 39 and 40 through townships 21, 22, and 23 north to get a starting-point.

W. McMICKEN,  
Surveyor-General of Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

C.—Statement showing the number of plats made, and the number of miles and acres in each township surveyed, in Washington Territory during the fiscal year ending June 30, 1874.

Exterior bound-aries.	Townships sub-divided.	Townships.	Ranges.	Original.	General Land-Office.	District land-office.	Total.	When trans-mitted.	Distance.	Acres.	Remarks.
1	1	12 north	1 east	1	1	1	3	Feb. 7, 1874	M. c. 7	4, 223 74	Fractional.
1	1	13 north	1 east	1	1	1	3	Sept. 5, 1873	19 39 67	23, 045 75	Complete.
1	1	14 north	1 east	1	1	1	3	Jan. 9, 1874	71 74 94	23, 013 47	Ib.
1	1	15 north	1 east	1	1	1	3	Dec. 5, 1873	65 74 63	22, 449 80	Ib.
1	1	16 north	1 east	1	1	1	3	June 5, 1874	71 55 10	22, 500 00	Fractional.
1	1	17 north	2 east	1	1	1	2	Oct. 6, 1873	4 00 10	23, 040 53	Complete.
1	1	18 north	2 east	1	1	1	2	Jan. 9, 1874	71 74 17	23, 040 53	Extensors.
1	1	19 north	2 east	1	1	1	3	Jan. 9, 1874	17 77 70	22, 502 77	Complete.
1	1	20 north	3 east	1	1	1	3	Feb. 7, 1874	75 44 42	22, 691 53	Ib.
1	1	21 north	3 east	1	1	1	3	Oct. 6, 1873	59 62 51	22, 896 26	Ib.
1	1	22 north	3 east	1	1	1	3	Dec. 15, 1873	2 76 46	39 53	Iceland.
1	1	23 north	3 east	1	1	1	3	June 5, 1874	35 38 77	9, 878 95	Fractional.
1	1	24 north	3 east	1	1	1	3	June 5, 1874	59 65 24	22, 896 24	Complete.
1	1	25 north	4 east	1	1	1	3	Feb. 7, 1874	77 55 98	22, 145 27	Ib.
1	1	26 north	4 east	1	1	1	3	Jan. 9, 1874	59 45 33	22, 748 34	Ib.
1	1	27 north	4 east	1	1	1	3	Mar. 5, 1874	2 02 23	1, 248 00	Fractional.
1	1	28 north	4 east	1	1	1	3	May 5, 1874	71 74 55	22, 935 86	Complete.
1	1	29 north	5 east	1	1	1	3	June 5, 1874	74 50 27	22, 946 94	Ib.
1	1	30 north	5 east	1	1	1	3	May 5, 1874	71 69 32	22, 969 82	Ib.
1	1	31 north	6 east	1	1	1	3	Aug. 27, 1873	63 31 10	22, 930 83	Ib.
1	1	32 north	6 east	1	1	1	3	Feb. 7, 1874	71 74 46	22, 995 73	Ib.
1	1	33 east	7 east	1	1	1	3	Dec. 5, 1873	78 29 65	22, 550 39	Ib.
1	1	34 east	7 east	1	1	1	2	Dec. 5, 1873	112 57 06	24, 432 42	Ib.
2	1	35 north	7 east	1	1	1	2	Mar. 5, 1874	11 76 35	23, 032 42	Extensors.
1	1	36 north	7 east	1	1	1	2	Jan. 9, 1874	17 77 47	22, 989 89	Ib.
1	1	37 north	7 east	1	1	1	3	Mar. 5, 1874	77 68 52	22, 989 89	Complete.
1	1	38 north	7 east	1	1	1	3	Jan. 9, 1874	60 30 82	22, 780 44	Ib.
1	1	39 north	11 east	1	1	1	3	Jan. 9, 1874	77 60 82	23, 023 44	Ib.
1	1	40 north	12 east	1	1	1	3	Feb. 7, 1874	72 03 05	23, 060 90	Ib.
1	1	41 north	17 east	1	1	1	3	Jan. 10, 1874	66 37 79	23, 287 69	Ib.
1	1	42 north	17 east	1	1	1	3	Jan. 10, 1874	77 67 11	22, 916 91	Ib.
1	1	43 north	31 east	1	1	1	3	Jan. 10, 1874	71 73 52	23, 018 78	Ib.
1	1	44 north	31 east	1	1	1	3	Jan. 10, 1874	71 78 96	23, 067 80	Ib.
1	1	45 north	31 east	1	1	1	3	May 27, 1874	59 26 64	22, 575 75	Ib.
1	1	46 north	32 east	1	1	1	3	May 27, 1874	59 60 23	22, 894 96	Ib.
1	1	47 north	33 east	1	1	1	3	May 27, 1874	59 72 96	23, 023 13	Ib.
1	1	48 north	36 east	1	1	1	3	Mar. 6, 1871	71 60 79	23, 019 60	Ib.

1	1	11 north.....	1	1	3	Mar. 6, 1874	65 70 83	93 027 53	Do.
1	1	12 north.....	1	1	3	Mar. 6, 1874	73 61 43	92 923 65	Do.
1	1	7 north.....	1	1	3	Mar. 15, 1873	98 05 72	6 600 00	Fractional.
1	1	11 north.....	1	1	3	Mar. 15, 1873	50 67 32	92 931 79	Complete.
1	1	15 north.....	1	1	3	Mar. 9, 1873	60 09 24	23 116 17	Do.
1	1	15 north.....	1	1	3	Dec. 9, 1873	60 14 44	23 147 83	Do.
6	1	31 north.....	1	1	2	Oct. 16, 1873	12 06 13	.....	Exteriors.
1	1	21, 22, 23, 24, and 25 north.....	1	1	2	Nov. 3, 1873	73 34 62	.....	Do.
12	1	17 and 18 north.....	1	1	3	Oct. 6, 1873	78 01 33	23 041 06	Complete.
1	1	15 and 20 north.....	1	1	2	Jan. 15, 1874	129 21 37	.....	Exteriors.
1	1	17 north.....	1	1	3	Dec. 9, 1873	60 06 60	23 105 53	Complete.
1	1	18 north.....	1	1	3	Feb. 9, 1874	39 76 49	23 939 30	Do.
1	1	19 north.....	1	1	3	Feb. 9, 1874	39 74 26	23 003 99	Do.
1	1	20 north.....	1	1	3	Nov. 4, 1873	60 21 61	23 066 70	Do.
1	1	24 north.....	1	1	3	Nov. 4, 1873	76 07 92	23 207 98	Do.
1	1	15 north.....	1	1	3	Mar. 6, 1874	72 10 38	23 105 49	Do.
1	1	16 north.....	1	1	3	Dec. 9, 1873	72 04 70	23 065 61	Do.
1	1	17 north.....	1	1	3	Jan. 15, 1874	59 76 93	23 938 19	Do.
1	1	18 north.....	1	1	3	Jan. 15, 1874	60 04 05	23 037 04	Do.
1	1	19 north.....	1	1	3	Jan. 15, 1874	59 75 05	23 979 53	Do.
1	1	20 north.....	1	1	3	Feb. 9, 1874	72 05 25	23 018 17	Do.
1	1	15 north.....	1	1	3	Feb. 9, 1874	72 23 54	23 165 16	Do.
1	1	16 north.....	1	1	3	Mar. 6, 1874	71 77 92	23 436 96	Do.
1	1	19 north.....	1	1	3	Dec. 9, 1873	72 13 52	23 153 09	Do.
1	1	20 north.....	1	1	3	Jan. 15, 1874	60 07 96	23 092 22	Do.
1	1	21 north.....	1	1	3	Oct. 16, 1873	57 51 34	20 462 15	Do.
1	1	19 north.....	1	1	3	Oct. 16, 1873	78 26 63	23 195 49	Do.
1	1	20 north.....	1	1	3	Jan. 15, 1874	78 26 82	23 185 24	Do.
1	1	19 north.....	1	1	3	Jan. 15, 1874	60 10 69	23 057 51	Do.
1	1	20 north.....	1	1	3	Jan. 15, 1874	57 38 19	20 511 60	Do.
1	1	30 north.....	1	1	3	Feb. 9, 1874	72 49 08	23 335 66	Do.
1	1	31 north.....	1	1	3	Feb. 9, 1874	72 33 98	23 330 78	Do.
1	1	20 north.....	1	1	3	Jan. 15, 1874	60 06 46	23 048 91	Do.
1	1	20 north.....	1	1	3	Jan. 15, 1874	57 03 87	20 396 88	Do.
1	1	28 north.....	1	1	3	Jan. 9, 1874	60 02 76	23 039 89	Do.
1	1	10 north.....	1	1	3	June 10, 1874	15 70 11	4 411 21	Fractional.
1	1	23 north.....	1	1	3	June 10, 1874	22 71 04	4 411 21	Complete.
1	1	11 north.....	1	1	3	Jan. 9, 1874	77 20 94	22 711 04	Do.
1	1	12 north.....	1	1	3	Jan. 9, 1874	71 73 09	23 011 13	Do.
1	1	23 north.....	1	1	3	Jan. 12, 1874	12 07 58	.....	Exteriors.
1	1	12 north.....	1	1	3	May 8, 1874	79 41 58	17 153 73	Complete.
1	1	12 north.....	1	1	3	Feb. 7, 1874	72 67 60	23 360 50	Do.
14	14	.....	14	14	14	.....	.....	.....	.....
11	11	11; and section 31, range 13.....	11	11	2	Jan. 1, 1874	7 00 00	.....	.....
41	41	east.....	41	41	2	Nov. 3, 1873	6 00 00	.....	.....
7	7	east.....	7	7	2	Aug. 27, 1873	6 00 00	.....	.....

STANDARD PARALLELS.

11; and section 31, range 13.  
 First, through.....  
 Sixth, through.....  
 Seventh, through.....

C.—Statement showing the number of plats made, and the number of miles and acres in each township surveyed, in Washington Territory, &c.—Continued.

Exterior bound- aries.	Townships sub- divided.	Townships.	Ranges.	Original.	General Land- Office.	District land- office.	Total.	When trans- mitted.	Distance.	Acres.	Remarks.
		DONATION CLAIMS.							M. c. l.		
		17 north.....	3 east.....	1	1	1	3	Oct. 21, 1873			
		19 north.....	5 east.....	1	1	1	3	Aug. 28, 1873			
		12 north.....	3 west.....	1	1	1	3	Mar. 27, 1874			
		Sundry diagrams.....		20			20				
		Total number of plats made.....		118	84	74	276				
		Total number of miles run.....							4,799 20 94		
		Total number of acres surveyed during the fiscal year ending June 30, 1874.....								1,489,004 29	
		Total number of acres previously surveyed.....								8,666,213 91	
		Total number of acres surveyed in Washington Territory up to June 30, 1874.....								10,155,218 20	

EXHIBIT No. 1.

Description of work.	Distance.	Rate.	Cost.
	<i>M. c. l.</i>		
Standard lines .....	13 00 00	\$18 00	\$234 00
Standard lines .....	11 76 68	16 00	191 33
Standard lines .....	12 00 00	15 00	180 00
Township lines .....	228 07 77	16 00	3,649 55
Township lines .....	461 33 26	14 00	6,459 81
Section lines .....	1,477 13 36	14 00	20,680 32
Section lines .....	2,417 75 54	12 00	29,015 33
Meander lines .....	153 27 96	14 00	2,146 88
Meander lines .....	24 26 37	12 00	291 95
Total number of miles .....	4,799 20 94		
Total cost of surveys .....			62,849 17

EXHIBIT No. 2.

Sources from whence payable.	Distance.	Cost.
	<i>M. c. l.</i>	
Amount of field-work under the appropriation for the fiscal year ending June 30, 1873 .....	552 57 64	\$6,981 43
Amount of field-work under the appropriation for the fiscal year ending June 30, 1874 .....	4,243 46 84	55,832 27
Amount of field-work payable from special deposits .....	2 76 46	35 47
Total number of miles .....	4,799 20 94	
Total amount paid on general appropriation account .....		62,849 17

W. McMICKEN,  
Surveyor-General of Washington Territory.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

D.—Statement showing amount and condition of appropriation and amount paid on contracts for surveys executed during the fiscal year ending June 30, 1874.

No. of contract.	Name of deputy.	Estimated amount of contract.	Amount paid on contracts.	Remarks.
161	Stearns and Berry .....	\$4,316 00	\$3,507 32	Incomplete.
162	Spray and Brown .....	2,286 00	2,283 13	Complete.
163	Edgar M. Morgan .....	3,184 00	2,890 44	Incomplete.
164	David D. Clarke .....	5,412 00	3,569 33	Complete; two townships relinquished.
165	William Jameson .....	3,096 00	2,250 09	Incomplete.
166	Dudley S. B. Henry .....	2,808 00	2,903 31	Complete.
167	Walter B. Hall .....	3,376 00	3,348 10	Do.
168	Reed, Whitworth, and Whitworth .....	7,500 00		Disapproved.
169	Truax and Briggs .....	9,756 00	9,637 53	Complete.
170	Loehr and Knowlton .....	5,076 00	5,080 46	Do.
171	James Tilton Sheets .....	5,460 00	5,097 57	Incomplete.
172	Lewis Van Vleet .....	4,812 00	1,774 86	Do.
173	Charles A. White .....	4,698 00	2,754 48	Do.
175	Henry S. Gile .....	1,828 00		Deputy in field.
177	James T. Berry .....	1,032 00	1,030 76	Complete.
178	Levinus M. Swift .....	3,936 00	3,943 40	Do.
179	John A. Tennant .....	2,348 00	2,459 28	Do.
181	John V. Meeker .....	28 00	28 39	Do.
182	Samuel J. Spray .....	1,032 00		Deputy in field.
185	Joseph M. Snow .....	1,044 00	1,043 00	Complete.
186	Edgar M. Morgan .....	1,680 00		Deputy in field.
189	Ross P. Shoecraft .....	1,968 00	2,230 82	Complete.
190	Edwin Richardson .....	1,860 00		Deputy in field.
	Total amount paid on contracts .....		55,832 27	

## EXHIBIT No. 1.

Amount of appropriation for fiscal year ending June 30, 1874 .....	\$70,000 00
Amount paid on contracts, as above .....	55,832 27
Balance applicable to surveys under incomplete contracts .....	14,167 73

W. McMICKEN,  
Surveyor-General of Washington.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

E.—Statement showing amount and condition of the appropriation for salary of the surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.

1873. Sept. 30	To account of W. McMicken, for salary from July 8, 1873, to September 30, 1873, inclusive.	\$577 45	1873. July 1	By amount of appropriation for the fiscal year ending June 30, 1874.	\$2,500 00
Dec. 31	To account of W. McMicken, for salary, second quarter.	625 00			
1874. Mar. 31	To account of W. McMicken, for salary, third quarter.	625 00			
June 30	To account of W. McMicken, for salary, fourth quarter.	625 00			
	To balance .....	47 55			
		2,500 00			2,500 00

F.—Statement showing amount and condition of appropriation for the compensation of clerks and draughtsmen in the office of the surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.

1873. Sept. 30	To amount paid clerks and draughtsmen, first quarter, as per accounts rendered.	\$1,775 00	1873. July 1	By amount of appropriation for the fiscal year ending June 30, 1874.	\$7,000 00
Dec. 31	To amount paid clerks and draughtsmen, second quarter, as per accounts rendered.	1,775 00		By balance of account of surveyor-general applicable to clerical service.	47 55
1874. Mar. 31	To amount paid clerks and draughtsmen, third quarter, as per accounts rendered.	1,775 00		By amount of special deposit applicable to clerical service.	30 00
June 30	To amount paid clerks and draughtsmen, fourth quarter, as per accounts rendered.	1,752 55			
		7,077 55			7,077

W. McMICKEN,  
Surveyor-General of Washington.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

G.—Statement showing amount and condition of appropriation for the incidental expenses of the office of surveyor-general of Washington Territory for the fiscal year ending June 30, 1874.

1873. Sept. 30	To amount paid during first quarter, as per accounts rendered.	\$270 00	1873. July 1	By amount of appropriation for the fiscal year ending June 30, 1874.	\$2,000 00
Dec. 31	To amount paid during second quarter, as per accounts rendered.	882 13			
1874. Mar. 31	To amount paid during third quarter, as per accounts rendered.	477 38			
June 30	To amount paid during fourth quarter, as per accounts rendered.	369 53			
	To balance .....	66			
		2,000 00			

H.—Statement showing estimated amount required for the surveying service in the district of Washington Territory for the fiscal year ending June 30, 1876.

	Amount.	Total.
FOR FIELD-WORK.		
For the extension of standard-lines, 348 miles .....	\$6,264 00	\$83,088 00
For the extension of meridian-lines, 168 miles .....	3,024 00	
For the survey of township-lines, 1,020 miles .....	15,300 00	
For the survey of section and meander lines, 4,500 miles .....	58,500 00	
FOR OFFICE-WORK.		
Salary of surveyor-general .....	3,000 00	15,060 00
Salary of chief clerk .....	2,000 00	
Salary of chief draughtsman .....	1,600 00	
Salary of two assistant draughtsmen .....	2,800 00	
Salary of three copying clerks .....	3,600 00	
Rent of office, pay of messenger, and the incidental expenses of the office .....	2,000 00	
Total estimate .....		

W. McMICKEN,  
Surveyor-General of Washington.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

I.—Statement showing amount and condition of special deposits made during the fiscal year ending June 30, 1874.

Date of deposit.	Name of depositor.	Amount deposited.		
		For field-work.	For office-work.	Total.
Nov. 18, 1873	H. I. Chapman .....	\$30 00	\$30 00	\$60 00

EXHIBIT No. 1.

Contract.		Name of deputy.	Cost of office-work.	Cost of field-work as returned by deputy.	Excess of field-work over deposit.	Total amount deposited.
No.	Date.					
183	Nov. 20, 1873	Edgar M. Morgan .....	\$30 00	+ \$35 47	— \$5 47	= \$60 00

W. McMICKEN,  
Surveyor-General of Washington.

SURVEYOR-GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.



K.—Statement showing the amount, character, and condition of the surveys of Indian reservations in Washington Territory, contracted for under the appropriation for the fiscal year ending June 30, 1874.

Contract.	Name of deputy.		Name of reservation, townships, and ranges	Estimated amt. of work.	Original.		General Land-Office.	Commissioner of Indian Affairs.	Total.	When transmitted to General Land-Office.	When transmitted to Com. of Indian Affairs.	Area.	Distance.	Amount paid on contracts.	Condition.	
	No.	Date.			Original.	General Land-Office.										
					(1	1			4	1873.	1873.	4,173.31	<i>Me. chs. lvs.</i> 29 54 91	\$418 51	Complete.	
174	Aug. 16	Thomas M. Reed, H. M. McCartney, A. A. Lindsay, and Joseph M. Snow.	Skokomish, township 21 north, ranges 3 and 4 west; township 22 north, range 4 west. Puyallup, townships 20 and 21 north, ranges 3 and 4 east. Lummi, townships 37 and 38 north, ranges 1 and 2 east. Tulalip, townships 29 and 30 north, ranges 3, 4, and 5 east. Chehalis, townships 15 and 16 north, ranges 4 and 5 west. Nisqually, township 18 north, range 1 east.	\$9,380	1	1			4	1874.	1874.	18,061.53	179 32 65	2,550 15	Do.	
176	Sept. 5	David F. Ryles.....	Swinomish, townships 33 and 34 north, range 2 east.	1,354	1	1			4	Apr. 6	Apr. 22	4,224.83	37 77 55	545 40	Complete.	
180	Oct. 27	Thomas M. Reed.....	Squaxin, townships 19 and 20 north, range 2 east.	900	1	1			4	Jan. 15	Jan. 16	4,717.98	61 19 42	880 21	Do.	
184	Dec. 16 1874.	Lewis Van Vleet.....	Port Madison, townships 25 and 26 north, range 2 east.	1,102	1	1			4	Mar. 26	Mar. 27	1,494.15	23 22 23	325 89	*Incomplete.	
187	Feb. 4	Ross P. Shoecraft.....	Mackleshoot, townships 20 and 21 north, range 5 east.	630	1	1			4						*Do.	
188	Feb. 27	Lewis Van Vleet.....	Yakima, township 9 north, ranges 21 and 22 east; township 10 north, range 21 east; township 10 north, range 16 east.	4,634											*Do.	
191	June 6	Ross P. Shoecraft.....														
192	June 27	Thomas M. Reed, Jos. M. Snow, and Ignatius A. Navarre.														
				Total estimated cost of work.....	18,850	6	6									
				Total plats made.....												
				Total number of acres.....												
				Total number of miles run.....								44,982.61				
				Total amount paid on contracts.....									178 48 48		6,792 13	

\* Since completed.

EXHIBIT No. 1.

Description of work.	Distance.			Rate.	Cost.
	Ms.	chs.	lks.		
Exterior-boundary lines.....	45	65	63	\$16 00	\$733 13
Subdivision-lines, (into forty-acre tracts).....	332	64	89	14 00	4, 659 36
Meander-lines.....	99	77	96	14 00	1, 399 64
Total number of miles.....	478	48	48		
Total cost of surveys.....					6, 792 13

EXHIBIT No. 2.

Appropriation for the fiscal year ending June 30, 1874, chargeable against the appropriation of \$200,000 "for the survey of the exterior boundaries of Indian reservations, and subdividing portions of the same," approved March 3, 1873.....	\$20, 450 00
Amount paid on contracts, as above.....	\$6, 792 13
Amount paid temporary clerks, as per letter from General Land-Office, November 14, 1873.....	870 00
	7, 662 13
Balance applicable to surveys under incomplete contracts.....	12, 787 87

W. McMICKEN,  
Surveyor-General of Washington Territory.

SURVEYOR GENERAL'S OFFICE,  
Olympia, Wash., August 22, 1874.

Q.—Report of the surveyor-general of Wyoming Territory.

SURVEYOR-GENERAL'S OFFICE,  
Cheyenne, Wyo., September 1, 1874,

SIR: In obedience to the instructions contained in General Land-Office circular of March 31, 1874, I have prepared the annual report of surveying operations in this district, covering the fiscal year ending June 30, 1874, and have the honor to forward the same to you herewith in duplicate.

PROGRESS OF THE PUBLIC SURVEYS.

The surveys of 1872-73 consist in the extension of the fifth standard parallel from the tenth guide at Elk Mountain to the fifteenth guide at Bear River on our west boundary; also, the running of the eleventh, twelfth, thirteenth, and fourteenth guide-meridians, between the fourth and fifth standard parallels, and the running of most of the township-exterior, between the tenth and eleventh guides, south of Fort Steele, and of seven townships between the fourteenth and fifteenth guides, in the vicinity of Carter and Church Butte Stations; also, of exterior and subdivisional work north of the fifth standard, and between the tenth and eleventh guides, in the vicinity of Percy and Rawlins stations, with a view to reach valuable iron and coal deposits; also, the subdivision of five townships along the railroad near Sherman, and the running of exteriors and subdividing numerous townships in the valleys of Horse Creek, and of the Laramie River, south and west of Fort Laramie; also, two tiers of townships north of the sixth standard and west of the eighth guide, commencing at the west boundary-line of the Fort Laramie reservation, and running westward twenty-four miles up the Laramie River, to the mouth of the Sibylle Creek.

Last May I contracted for the survey of the boundary and subdivision of the old Fort Bridger military reservation, twenty by twenty-four miles, under a special appropriation, and also made arrangements to survey the lands along the Union Pacific Railroad, from the vicinity of Evanston eastward to Green River; also, to close the surveys upon the Colorado boundary, from Nebraska west to the Laramie River, and from Fort Bridger reservation westward to the west boundary of Wyoming, including considerable timber-land adjoining the Utah boundary; also, to survey three coal-land townships near Percy and Saint Mary's stations, and the sectionizing of the balance of iron, plumbago, and timbered lands along the plateau of the Laramie Mountain east of and adjoining the ninth guide and north of Sherman.

INCREASE OF WYOMING POPULATION.

We have had a most encouraging increase of population in the Territory during the past year.

The vote for Delegate to Congress on the 1st of September, 1874, is about 5,000 aggregate, which indicates that the population now cannot be much less than 25,000.

## CLIMATE AT CHEYENNE, WYO.

The following tables are the continuation of the monthly meteorological record, as given in former reports, up to and including the month of August, 1873.

The winter of 1873-74 was unusually pleasant, and, as will be seen by the record, was very free from the disagreeable wind-storms which have heretofore prevailed.

The past summer has been hot and dry, but not to the extent of interfering with the grazing, and the cattle at this time are almost equal to stall-fed.

The healthfulness of our climate is clearly established, and the vigorous health enjoyed by most of our citizens is ample compensation to them for the social surroundings they have left to take pioneer fare in Wyoming.

I wish to express my thanks to Mr. Asa C. Dobbins, United States observer in charge at this station, for his courtesy in furnishing the data for the following tables:

The following table shows the days of extreme temperature during last winter and the summer which has just ended:

Winter.	Day of month.	Lowest tem- perature at 5.44 a. m.	Summer.	Day of month.	Highest tem- perature at 2.44 p. m.
December, 1873.....	3	* - 0	June, 1874.....	17	† 88
January, 1874.....	22	- 3		19	91
February, 1874.....	23	- 4		20	96
	23	- 2		21	85
	24	- 21		22	90
				23	87
				24	87
				25	91
				26	87
			July, 1874.....	1	91
				2	95
				3	95
				4	96
				5	87
				6	88
				7	89
				8	89
				9	88
				10	86
				11	89
				12	90
				13	87
				15	85
				16	89
				17	87
				24	86
			August, 1874.....	29	90
				3	82
				4	87
				8	87
				9	86
				14	86
				15	82
				16	82

\* This column shows all the days on which the temperature went below zero.

† This column shows all the days on which the temperature went to 85° or upward.

Monthly meteorological record for the twelve months ending August 31, 1874, 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., 8.44 p. m.)	Prevailing winds— from what direction.	Total number of miles traveled by wind.	Amount of rain-fall, in inches and decimals.	Number of days on which rain or snow fell.
1873.						
September .....	Inches. 30.051	° 55.9	West .....	5,437	.36	4
October .....	30.03	42.5	do .....	6,390	.70	10
November .....	29.997	40.1	do .....	7,010	.17	4
December .....	29.893	27.6	do .....	5,753	.08	5
1874.						
January .....	29.843	30.4	West .....	9,239	.11	3
February .....	29.816	22.9	do .....	6,028	.11	6
March .....	29.809	28.9	do .....	6,023	.74	10
April .....	29.831	39.0	do .....	6,130	.61	9
May .....	29.944	56.6	do .....	7,588	1.50	7
June .....	29.981	65.2	do .....	6,408	1.34	13
July .....	30.098	71.8	South .....	6,521	1.87	11
August .....	30.079	68.6	West .....	6,621	.44	8

Synopsis for twelve months.

Mean barometer, (inches) .....	29.956
Mean temperature .....	45° 8
Total amount of rain-fall, inches .....	8.03
Total number of miles traveled by wind .....	79,148
Total number of days on which rain or snow fell .....	90

RAPID INCREASE OF STOCK AND SHEEP GROWING

The rapid increase in the number and size of herds of cattle, horses, and sheep accounts for the increase in population, not to mention the very considerable increase of the mining population engaged in silver, gold, and coal mines.

Good judges compute the number of cattle now in the valleys of Crow, Lodge Pole, Horse, Chugwater and Sibylle Creeks, and the valleys of the North Platte and Laramie Rivers, all north of the railroad and north of Cheyenne, and east of the Black Hills, or Laramie Mountain, to be over 40,000 head, and the herds are rapidly increasing every year in size and numbers.

The number of sheep has also about doubled the past year. Messrs. Thomas & Hay, at their ranch nine miles southwest of Cheyenne, have about 4,000 head now on hand, and another thousand soon to be received. Over 1,000 are full-blooded merinos, and one of the merino bucks of the flock sheared 28 pounds of wool this summer. They provide some hay and use sheds, and thus prevent loss by sudden snow-squalls in the winter.

More care is needed during the months of March and April than during the previous four months, as more snow generally falls then than during the winter, and the atmosphere is damper and more chilly.

Mr. M. E. Post, of this city, also has a fine flock at his ranch on Lodge Pole Creek; also the Messrs. Durbin Brothers. Mr. A. R. Converse is importing another thousand to add to his flock. Mr. Athrop keeps 1,000 on Crow Creek west of Cheyenne. Mr. Seagriff is establishing a flock of 2,000 on Horse Creek, and Mr. Whitcomb, on Crow Creek, owns a fine flock.

General King and Colonel Lane have a fine ranch stocked with Cotswold sheep near Fort Sanders. The railroad-hands at Buford, on top of the mountain, near Sherman, have quite a large flock there; also, Messrs. Homer & Sargent, on the Laramie Plains, have a well-stocked sheep-ranch.

There are numerous other smaller flocks on both sides of the Laramie Mountain growing rapidly into profitable ones.

To give a better idea of the growth and profit of cattle-herds in this vicinity I hereto append the list of late shipments from this point, in an extract from the Cheyenne Daily Leader:

"Since the 1st instant there have been shipped to Chicago, from Cheyenne, about two hundred and thirty car-loads of beef-cattle. Each car will average nineteen head, so that the actual number shipped from here to date is about forty-four hundred. These cattle command a ready sale in Chicago at five cents per pound. Quite a number of small

shippers sent off stock early in the month, so that by the 15th about one hundred and thirty car-loads were sent.

"On the 19th, M. V. Boughton shipped sixteen car-loads, averaging nineteen head to the car.

"On the 20th, J. W. Iliff shipped sixteen car-loads and Mr. McKey eighteen car-loads.

"On the 22d, Iliff sixteen car-loads and Mr. Dowling shipped sixteen car-loads.

"On the 24th, Carey Bros. shipped eighteen car-loads.

"To-morrow Iliff will ship fourteen car-loads and McKey seven; Mr. Kent will also ship two car-loads of horses.

"On the 27th, Mr. Shirley will ship seven car-loads of horses.

"On the 30th, Mr. Carpenter will ship eighteen car-loads of cattle.

"J. W. Iliff expects to ship, during the next thirty days, about one hundred and twenty-five car-loads of cattle from Julesburgh, in addition to what he may ship from Cheyenne. His shipment, this season, will amount to about forty-five hundred head. Next season he expects to ship about nine thousand head from this place. He is the most extensive stock-grower in this section of the country.

"Some days ago, about thirty car-loads of cattle, from Green River, passed through Cheyenne to Chicago.

"The cattle-trade of Wyoming is growing to be an important and profitable business. It may be said to be in its infancy yet, but each year growing more and more important. The raising of horses for the eastern market will also prove remunerative to those engaged in it.

"At a rough estimate, each car-load of cattle will average, in the Chicago market, \$1,000. On this basis, it may be seen that, if we can ship five hundred car-loads of stock from Eastern Wyoming yearly, we will receive about half a million dollars in return."

#### MINES AND MINING.

The coal-mines near Evanston and at Rock Springs and Carbon stations are worked with far more vigor and produce a much larger yield this year than at any previous period. All these mines are worked with machinery by the Wyoming Coal Company in the interest of the Union Pacific Railroad and by the Rocky Mountain Coal Company of the Central Pacific Railroad. The coal mined supplies about 400 locomotives on these roads, besides most of the cities and villages along the 1,900 miles of railroad between Omaha and San Francisco.

The gold-mines of Sweetwater and the placer-mines of Medicine Bow Mountain are worked with more energy and profit than last year; and when the Black Hills, and especially the Big Horn mountains, are freed from Indians, and miners are permitted to prospect and mine there, I feel safe in predicting most satisfactory results to the mining world and to the growth and prosperity of Wyoming.

The silver-mines of the Seminoe Mountains were worked with zeal and considerable promise this season, until the fatal Indian raid destroyed several of the miners and drove the remainder from the mines.

There are a number of silver-lodes discovered and considerably opened in the Ferris mineral district that are, without a doubt, valuable, and will prove remunerative when they can be worked without molestation from hostile bands of Indians. It is hardly possible that Indian raids will be permitted to occur there another year, since the mines are only thirty to forty miles north of the railroad, and both the Government and the miners will be more closely on the lookout for Indians hereafter.

The expedition of Captain Mills, this summer, against these Indian raiders, will teach them that the military are on the watch for them. He left Fort Steele in August, in search of them, and passed through the Seminoe mines soon after their depredations there, and followed them down the North Platte to the Red Buttes, and thence across the country to the headwaters of Powder River, without overtaking them before they reached the Red Cloud agency.

#### CROW CREEK MINES.

These mines were discovered last winter by Captain Metcalf and his associates. They are only twenty miles west of Cheyenne, on the branches of Crow Creek, where they flow out of the eastern base of the Laramie Mountain. They are found in a belt of mineral rock, some miles in width, along the eastern base of this mountain, which presents a formation similar to that found in the vicinity of Central City, Colo.

This formation crosses the railroad between Granite Cañon and Buford, presenting belts of fine-grained red granite, near Granite Cañon, alternating with reddish and gray gneiss. This is evidently a belt of mineral-bearing rock, and, but for the flattened surface of the mountain and a deep covering of drift that prevents the exposure of the rock-formations except in isolated places, mines would be discovered without expensive prospecting.

These Crow Creek mines are in the red and gray granitoid rocks, and appear to be true fissure-veins. Some bear gold only, those in the fine-grained red granite; others, in the gray granite, are proved by assay to contain silver. While those which have

been mined upon the most this summer are chiefly copper at the surface, they ought, from appearances, to contain gold at a moderate depth, as experience has shown them to do at Central City. An assay of the copper-pyrites from a vein not yet mined ten feet deep was lately made at Denver, and found to contain an ounce of gold to the ton of ore, in addition to the copper. These may prove to be valuable veins when proved to the depth of one or two hundred feet; and their close proximity to Cheyenne and the railroad would enable them to be worked to great advantage.

Farther north, along Sibley Creek, and within a circumference of fifteen miles around Laramie Peak, silver and gold formations present themselves over large surfaces within that area.

Reed's Peak, near the Laramie River Cañon, and Laramie Peak consist chiefly of gray gneissoid rock, like that which furnishes the silver-mines around Georgetown, Colo.

The constant raids of small parties of Indians to those localities, situated forty to fifty miles west of Fort Laramie, and about the same distance south of Fort Fetterman, where no Indians have a right to go, have prevented our citizens, up to this date, from prospecting for the precious minerals in a region so near to the settlements and so promising in rich results in the near future. The locality above referred to is only about ninety miles northwesterly from Cheyenne; and if the formations existing there, and which are so similar in their geology to those in the Colorado near Georgetown and Central City, are *mineral-bearing*, as I cannot doubt, the future opening of the mines there will give an immense impetus to the prosperity and wealth of the city of Cheyenne and to the stock and sheep growers, who, even now, occupy most of the fine grazing country between these two points.

#### THE BLACK HILLS GOLD-MINES.

The old Black Hills, first brought to notice by Frémont's expedition, are isolated upon the great plains, and situated about one hundred miles east of north from Fort Laramie. They acquired their name from their densely-timbered sides, which presented a black appearance to the beholder as he traveled up the valley of the North Platte, a hundred miles distant.

I have never visited them; but from those who have, I learned years ago that they presented a similar geological formation to that around Laramie Peak and Big Horn Mountains, north of Fort Fetterman and nearly one hundred and fifty miles west of these Black Hills.

This isolated mountain, known as the Black Hills, is about seventy miles long, and probably does not average over twenty miles in width, and has been upheaved by igneous forces, chiefly since the close of the Tertiary period of geology. The thickness of the stratified rocks in that locality is probably greater than at the base of the main ranges of the Rocky Mountains, and therefore the igneous rocks that elevated this thick stratification, and burst through them only along the crest, must necessarily present a small exposure for the eroding influences which bring the gold product down the gorges and cañons to the valleys of the streamlets at the base of the mountains.

I do not, therefore, anticipate the existence of a gold-field in the Black Hills of sufficient extent or productiveness to warrant any considerable rush of miners to that locality, even if the country were free of Indian claimants and open to settlement.

The Big Horn Mountains, one hundred and fifty miles or more west of the Black Hills, present ten-fold more inducement to the gold-miner, the farmer, and stock-raiser than the Black Hills, because on a ten-fold grander scale of development in all that pertains to these resources.

#### GOLD-PLACER MINES.

Those of the Sweetwater district continue to yield a liberal return to the gulchminers. Those at the head of Douglass Creek, known as the Last Chance mines, and those newly discovered on Brush Creek, in the Medicine Bow Mountains, have paid well this summer.

#### ROLLING-MILLS.

Rolling-mills are now in process of erection at Laramie City, being put up by the Union Pacific Railroad Company for the purpose of rerolling all too-much worn or defective rails along their one thousand miles of road. These mills are to be on an extensive scale, and will prove a valuable acquisition to the Territory at large as well as to the town of Laramie. The rolling-mill proper will be 239 feet in length, by 120 feet in width, and will be operated by seven steam-engines, the largest to be of 600 horse-power. There will be nine furnaces and four sets of rolls, with a capacity of 150 tons of railroad-iron per day. The mill is to be ready for operation January 1, 1875.

Thus is a new industry created in our midst to give constant employment to hundreds of persons, and serving to inaugurate the erection of iron-furnaces and the manufacture of pig-iron, and which will result in the building up of iron-manufactories of all kinds within the Territory.

#### WAGON-ROAD TO MONTANA.

The scheme of a wagon-road from Cheyenne, on the Union-Pacific Railroad, to Boze-

man, Mont., is being much agitated, and will be strongly urged upon Congress during the coming winter. If some satisfactory arrangement with the Indians can be made to induce them to relinquish their claim to Northeastern Wyoming, and a wagon-road established which can be protected, it is believed that no enterprise can be inaugurated with so little outlay which will be productive of so much benefit to the eastern portion of our Territory and to Montana. The road would pass through hundreds of miles of country that is inviting to settlement, but as yet almost unknown; and, aside from its great advantages for through freight and travel, it would be of almost incalculable local benefit. It is to be hoped that Congress will see fit to permit this enterprise to be carried out, and to remove the obstacles presented by Indian claims to a tract of country of which they make but little use.

ACCOMPANYING DOCUMENTS.

A.—Statement of surveys contracted for under the appropriation of \$50,000 made by act of Congress approved March 3, 1873, for surveying the public lands in Wyoming Territory, showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

B.—Statement of surveys contracted for under the appropriation of \$20,000 made by act of Congress approved March 3, 1873, "for expenses of survey, appraisement, and other contingent expenses for carrying out the provisions of the act of February 24, 1871, providing for the sale of useless military reservations;" showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

C.—Statement of surveys contracted for, payable out of the fund created by the deposit of the Union Pacific Railroad Company for "cost of survey" of certain of their granted lands entered by them, and which fund is directed by act of Congress to be applied to the continuation of the public surveys within the limits of their land-grant; showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

D.—Statement of surveys of mining-claims in Wyoming Territory, made during the fiscal year ending June 30, 1874.

E.—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, 1874.

F.—Statement of coal-lands surveyed in Wyoming Territory from June 30, 1873, to June 30, 1874, as shown by the official plats.

G.—Statement of lands containing valuable mineral deposits surveyed in Wyoming Territory from June 30, 1873, to June 30, 1874, as shown by the official plats.

H.—Statement of amount paid surveyor-general and clerks in his office for the fiscal year ending June 30, 1874, and incidental expenses for the same period.

I.—Estimate of appropriations required for the surveying service in the Territory of Wyoming for the fiscal year ending June 30, 1876.

Very respectfully, your obedient servant,

SILAS REED,  
Surveyor-General of Wyoming.

Hon. S. S. BURDETT,  
Commissioner General Land-Office, Washington, D. C.

A.—Statement of surveys contracted for under the appropriation of \$50,000 made by act of Congress approved March 3, 1873, for surveying the public lands in Wyoming Territory, showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

Number of contract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
46	1873. June 12	Jasper W. Corey and James D. Corey.	The exterior lines of townships 13 and 14 north, of range 115 west, and of townships 13, 14, 15, and 16 north, of ranges 116, 117, and 118 west; the subdivisional lines of townships 13, 14, 15, and 16 north, of range 119 west.	This contract was disapproved by the Commissioner of the General Land-Office, by letter dated July 17, 1873.
47	June 12	J. Wesley Hammond..	The exterior lines of townships 17, 18, 19, 20, and 21 north, of ranges 60, 61, 62, 63, and 64 west, and of township 22 north, of ranges 63 and 64 west; the subdivisional lines of township 22 north, of ranges 63 and 69 west.	The surveys under this contract have been completed and paid for, amounting to \$4,279.85.

## A.--Statement of surveys contracted for under the appropriation of \$50,000, &amp;c.—Continued.

Number of contract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
48	1873. June 12	Luther Poland and Charles A. Caton.	The subdivisinal lines of township 17 north, of ranges 61, 62, 63, and 64 west, and township 18 north, of ranges 62, 63, and 64 west.	Completed and paid for, amounting to \$4,199.35.
49	June 17	Stephen W. Downey and Thos. B. Medary.	Twelve miles of the eleventh guide meridian, north from the fifth standard parallel; the exterior lines of townships 21 and 22 north, of ranges 81, 82, 83, 86, 87, and 88 west; the subdivisinal lines of townships 17 and 18 north, of range 84 west, and of townships 19 and 20 north, of range 83 west.	Completed and paid for, amounting to \$4,309.61.
50	June 18	Mortimer N. Grant ..	The subdivisinal lines of township 21 north, of ranges 81, 82, 83, 86, 87, and 88 west, and of township 22 north, of ranges 87 and 88 west.	Completed and paid for, amounting to \$4,787.34.
51	June 21	William O. Downey...	The fifth standard parallel from the twelfth guide meridian to the fifteenth guide meridian; the twelfth and fourteenth guide meridians, and the completion of the thirteenth guide meridian between the fourth and fifth standard parallels; the exterior lines of township 17 north, of ranges 113, 114, 115, and 116 west, and of township 18 north, of ranges 113, 114, and 115 west.	Completed and paid for, amounting to \$3,972.37.
52	Aug. 11	Alfred M. Rogers .....	The subdivisinal lines of townships 18 and 19 north, of range 61 west, and of townships 19 and 20 north, of ranges 62, 63, and 64 west.	Completed and paid for, amounting to \$4,832.25.
53	Aug. 11	Henry G. Hay .....	Twelve miles of eighth guide meridian north of the sixth standard parallel; the exterior lines of townships 25 and 26 north, of ranges 65, 66, 67, and 68 west; the subdivisinal lines of fractional townships 17, 18, 19, 20, and 21 north, of range 60 west and of townships 20 and 21 north, of range 61 west.	Completed and paid for, amounting to \$4,574.18.
54	Aug. 21	Thomas B. Medary ...	The subdivisinal lines of townships 17 and 18 north, of ranges 85, 86, 87, and 88 west.	Four townships completed and paid for, amounting to \$2,394.88. Remainder in progress.
55	Aug. 30	J. Wesley Hammond...	The subdivisinal lines of township 21 north, of range 63 west, of township 22 north, of range 64 west, of townships 23 and 24 north, of range 65 west, and of township 23 north, of range 68 west.	Completed and paid for, amounting to \$2,985.28.
56	Sept. 1	John B. Thomas .....	The subdivisinal lines of township 21 north, of range 62 west, of township 26 north, of range 65 west, and of townships 25 and 26 north, of ranges 66, 67, and 68 west.	Completed and paid for, amounting to \$4,710.97.
57	1874. April 22	Thomas B. Medary and Mortimer N. Grant.	The subdivisinal lines of township 16 north, of range 119 west, of township 17 north, of ranges 113, 114, 115, and 116 west, and of township 18 north, of ranges 113, 114, and 115 west.	Surveys in progress.
59	May 12	Charles J. Reed .....	The subdivisinal lines of township 22 north, of ranges 81, 82, and 83 west.	Surveys in progress.

SILAS REED,  
Surveyor-General of Wyoming.



B.—Statement of surveys contracted for under the appropriation of \$20,000 made by act of Congress approved March 3, 1873, "for expenses of survey, appraisement, and other contingent expenses for carrying out the provisions of the act of February 24, 1871, providing for the sale of useless military reservations," showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

Number of contract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
58	1874. May 2	Henry G. Hay and George R. Thomas.	The retracing and re-establishment of the out-boundaries of the original and reduced Fort Bridger military reservations; the exterior lines of fractional townships 12, 13, 14, 15, and 16 north, of range 113 west; of fractional township 12 north, of range 114 west, and of townships 13 and 14 north, of range 114 west; the subdivisinal lines of fractional townships 12, 13, 14, 15, and 16 north, of range 113 west; of fractional township 12 north, of range 114 west, and of township 13 north, of range 114 west.	Surveys in progress.
60	May 18	Alfred M. Rogers and Lewis M. Lampton.	The exterior lines of township 15 north, of range 114 west; of townships 13 and 14 north, of range 115 west; of fractional township 16 north, of range 114 west; of fractional townships 12, 15, and 16 north, of range 115 west, and of fractional townships 12, 13, 14, 15, and 16 north, of range 116 west; the subdivisinal lines of fractional townships 12, 15, and 16 north, of range 115 west, and of fractional townships 12, 13, 14, 15, and 16 north, of range 116 west.	Surveys in progress.
62	May 20	J. Wesley Hammond..	The subdivisinal lines of townships 13 and 14 north, of range 115 west; of townships 14 and 15 north, of range 114 west, and of fractional township 16 north, of range 114 west.	Surveys in progress.

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE.  
*Cheyenne, Wyo., September, 1, 1874.*

C.—Statement of surveys contracted for payable out of the fund created by the deposit of the Union Pacific Railroad Company for "cost of survey" of certain of their granted lands entered by them, and which fund is directed by act of Congress to be applied to the continuation of the public surveys within the limits of their land-grant; showing the condition of said surveys at the close of the fiscal year ending June 30, 1874.

No. of contract.	Date.	Name of deputy.	Work embraced in contract.	Remarks.
61	1874. May 19	J. Wesley Hammond..	The exterior lines of townships 13 and 14 north, of ranges 117 and 118 west, and of fractional townships 13 and 14 north, of range 116 west, (without the boundaries of the original Fort Bridger military reservation.) the subdivisonal lines of township 15 north, of range 119 west.	Surveys in progress.

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE  
*Cheyenne, Wyo., September 1, 1874.*

D.—Statement of surveys of mining-claims in Wyoming Territory made during the fiscal year ending June 30, 1874.

Name of claim.	For whom surveyed.	Approval of survey.	Amount deposited for office-work.
Rawlings, (vein and mill-site).....	Thomas Ogg Shaw...	December 17, 1873.....	\$30 00

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 1, 1874.*

E.—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, 1874.

Township.	Range.	Area, (acres.)	Remarks.
13 north	71 west	22,969.28	
13 north	72 west	22,959.73	
14 north	72 west	22,935.54	
15 north	70 west	23,460.44	
16 north	70 west	23,905.86	
17 north	60 west	15,690.27	Fractional by Nebraska boundary.
17 north	61 west	23,100.00	
17 north	62 west	23,080.34	
17 north	63 west	22,900.82	
17 north	64 west	23,018.27	
17 north	64 west	23,074.71	
17 north	65 west	22,939.32	
17 north	66 west	22,841.25	
17 north	67 west	23,019.65	
17 north	68 west	22,920.37	
18 north	60 west	15,790.45	Fractional by Nebraska boundary.
18 north	61 west	23,330.40	
18 north	62 west	23,187.05	
18 north	63 west	22,920.42	
18 north	64 west	23,085.73	
18 north	64 west	22,987.94	
19 north	60 west	15,508.64	Fractional by Nebraska boundary.
19 north	61 west	23,033.39	
19 north	62 west	23,010.58	
19 north	63 west	22,948.04	
19 north	64 west	23,340.96	
19 north	63 west	23,055.15	
20 north	60 west	15,390.85	Fractional by Nebraska boundary.
20 north	61 west	23,250.91	
20 north	62 west	23,325.32	
20 north	63 west	23,347.44	
20 north	64 west	23,349.04	
20 north	63 west	22,421.65	
21 north	60 west	15,421.00	Fractional by Nebraska boundary.
21 north	61 west	23,094.68	
21 north	62 west	23,033.92	
21 north	63 west	22,972.47	
21 north	61 west	22,965.30	
21 north	62 west	22,965.24	
21 north	63 west	22,991.18	
21 north	66 west	22,991.39	
21 north	67 west	22,956.16	
21 north	68 west	22,932.48	
22 north	64 west	22,894.01	
22 north	68 west	23,019.65	
22 north	69 west	23,027.03	
22 north	67 west	22,939.87	
22 north	68 west	22,932.09	
23 north	65 west	22,861.18	
23 north	68 west	22,969.98	
24 north	65 west	22,775.76	
25 north	66 west	23,050.25	
25 north	67 west	23,040.20	
25 north	68 west	23,106.04	
26 north	65 west	15,293.48	Fractional by Fort Laramie and Sioux reservations.
26 north	66 west	22,238.51	Fractional by Sioux reservation.
26 north	67 west	23,092.50	
26 north	68 west	23,086.24	

RECAPITULATION.

Number of townships surveyed.....	58	<i>Area in acres.</i>
Number surveyed per previous reports .....	141	1,290,816.52
		3,179,888.82
Total surveyed to June 30, 1874 .....	199	4,470,705.34

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 1, 1874.*

F.—Statement of coal-lands surveyed in Wyoming Territory from June 30, 1873, to June 30, 1874, as shown by the official plats.

Township in which contained.	No. of acres.
Township 21 north, range 81 west.....	80.00
Township 20 north, range 83 west.....	2,240.00
Township 21 north, range 88 west.....	1,280.00
Total.....	3,600.00
Amount in previous reports.....	74,001.32
Aggregate of coal-lands surveyed to date.....	77,601.32

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 1, 1874.*

G.—Statement of lands containing valuable mineral deposits surveyed in Wyoming Territory from June 30, 1873, to June 30, 1874, as shown by the official plats.

Township in which contained.	Character of deposit.	No. of acres.
Township 21 north, range 87 west.....	Valuable iron deposit.....	640

SILAS REED,  
*Surveyor-General of Wyoming.*

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
*Cheyenne, Wyo., September 1, 1874.*

H.—Statement of amount paid surveyor-general and clerks in his office for the fiscal year ending June 30, 1874, and incidental expenses for the same period.

Date.	To whom paid.	Amount.	Appropriation—	Amount.
1873.				
Aug. 1	H. Latham, surveyor-general . . . . .	\$260 87	Of March 3, 1873, for compensa- tion of surveyor-general . . . . .	\$3, 000
Sept. 30	Silas Reed, surveyor-general . . . . .	489 13		
	Leverett C. Stevens, chief clerk . . . . .	450 00	Of March 3, 1873, for compensa- tion of clerks . . . . .	6, 700 00
	Walter R. Havenner, clerk . . . . .	375 00		
	Richard Blackstone, draughts- man . . . . .	375 00		
	Adrian J. Parshall, assistant draughtsman . . . . .	300 00		
Dec. 31	Silas Reed, surveyor-general . . . . .	750 00		
	Leverett C. Stevens, chief clerk . . . . .	450 00		
	Walter R. Havenner, clerk . . . . .	350 00		
	Richard Blackstone, draughts- man . . . . .	375 00		
	Adrian J. Parshall, assistant draughtsman . . . . .	300 00		
	George R. Thomas, copyist . . . . .	254 35		
	John J. Babson, copyist . . . . .	225 00		
1874.				
March 31	Silas Reed, surveyor-general . . . . .	750 00		
	Leverett C. Stevens, chief clerk . . . . .	450 00		
	Walter R. Havenner, clerk . . . . .	229 44		
	Walter R. Havenner, clerk . . . . .	120 56		
	Richard Blackstone, draughts- man . . . . .	375 00		
	Adrian J. Parshall, assistant draughtsman . . . . .	300 00		
	George R. Thomas, copyist . . . . .	300 00		
June 30	Silas Reed, surveyor-general . . . . .	750 00		
	Leverett C. Stevens, chief clerk . . . . .	450 00		
	Walter R. Havenner, clerk . . . . .	375 00		
	Richard Blackstone, draughts- man . . . . .	255 50		
	Adrian J. Parshall, assistant draughtsman . . . . .	300 00		
	George R. Thomas, copyist . . . . .	49 45		
	Charles J. Reed, copyist . . . . .	19 23		
	Balance reverting . . . . .	21 47		
		9, 700 00		9, 700 00
	INCIDENTAL EXPENSES.			
1873.				
Sept. 30	For first fiscal quarter . . . . .	421 21	Of March 3, 1873, for incidental expenses . . . . .	2, 500 00
Dec. 31	For second fiscal quarter . . . . .	315 40		
1874.				
March 31	For third fiscal quarter . . . . .	310 16		
June 30	For fourth fiscal quarter . . . . .	290 00		
	Balance reverting . . . . .	1, 163 23		
		2, 500 00		2, 500 00

SILAS REED,  
Surveyor-General of Wyoming.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Cheyenne, Wyo., September 1, 1874.

I.— Estimate of appropriations required for the surveying service in the Territory of Wyoming for the fiscal year ending June 30, 1876 :

For extending the standard and meridian lines to cover the limits of the land-grant of the Union Pacific Railroad Company, and for surveying township and subdivisional lines of agricultural, grazing, coal, iron, and timber lands within and adjoining the same . . . . .	\$60, 000 00
For salary of surveyor-general . . . . .	3, 000 00
For salaries of clerks . . . . .	6, 700 00
For rent, fuel, stationery, messenger, and incidental expenses . . . . .	2, 500 00
<b>Total . . . . .</b>	<b>72, 200 00</b>

SILAS REED,  
Surveyor-General of Wyoming.

UNITED STATES SURVEYOR-GENERAL'S OFFICE,  
Cheyenne, Wyo., July 13, 1874.

No 1.—*Tabular statement showing the number of acres of public lands surveyed in the following land States and Territories up to June 30, 1873, during the fiscal year, and the total of the public land surveyed up to June 30, 1874; 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, 1873.	Number of acres of public lands surveyed prior to June 30, 1873, not heretofore reported.	Number of acres of public lands surveyed within the fiscal year ending June 30, 1874.	Total of public lands surveyed up to June 30, 1874.	Total area of public lands remaining unsurveyed, and, of course, unoffered and undisposed of, inclusive of the area of private land-claims surveyed up to June 30, 1874.
	In acres.	In square miles.					
Wisconsin.....	34,511,360	53,924	34,511,360	.....	.....	34,511,360	.....
Iowa.....	35,228,800	55,045	35,228,800	.....	.....	35,228,800	.....
Minnesota.....	53,459,840	83,531	34,632,634	22,821.24	a1,242,456.58	35,897,912	17,561,928
Kansas.....	52,043,520	81,318	43,433,507	.....	b2,337,178.38	45,770,685	6,272,835
Nebraska.....	48,636,800	75,995	29,551,920	.....	c2,521,190.30	32,372,410	16,264,390
California.....	120,947,840	188,981	37,633,106	217,132.51	.....	38,805,776	82,142,064
Nevada.....	71,737,741	112,090	7,420,412	.....	1,477,781.83	8,898,194	62,839,547
Oregon.....	60,975,360	95,274	13,746,044	223,443.44	1,286,129.89	15,255,617	45,719,743
Washington Ter	44,796,160	69,994	8,414,301	23,679.89	d1,752,064.77	10,190,046	34,606,114
Colorado Ter.....	66,880,000	104,500	13,277,302	.....	2,405,783.66	15,683,086	51,196,914
Utah Ter.....	54,065,075	84,476	5,127,692	6,996.84	850,097.44	5,984,792	48,080,283
Arizona Ter.....	72,966,304	113,916	2,794,579	.....	341,173.61	3,135,753	69,770,551
New Mexico Ter	77,568,640	121,201	4,866,410	.....	695,775.42	5,466,185	72,082,455
Dakota Ter.....	96,959,840	150,932	9,817,959	273,079.89	3,773,573.62	13,863,913	82,731,927
Idaho Ter.....	52,228,160	86,294	3,047,917	268,060.63	e699,675.36	4,014,953	51,213,207
Montana Ter.....	92,016,640	143,776	5,027,313	.....	1,757,168.08	6,784,481	85,232,159
Wyoming Ter.....	62,645,120	97,883	3,297,671	.....	1,451,169.98	4,748,841	57,896,279
Missouri.....	41,824,000	65,350	41,824,000	.....	.....	41,824,000	.....
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	23,868,118	35,135.49	.....	23,903,253	2,558,187
Arkansas.....	33,406,720	52,198	33,406,720	.....	.....	33,406,720	.....
Florida.....	37,931,520	59,268	28,878,252	472,617.68	.....	29,345,870	8,585,650
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	68,991	15,214,292	1,603,078.97	6,015,354.51	22,832,725	21,321,515
Alaska Ter.....	369,529,600	577,390	.....	.....	.....	.....	369,529,600
<b>Total.....</b>	<b>1,834,998,400</b>	<b>2,867,185</b>	<b>616,554,895</b>	<b>3,346,046.58</b>	<b>29,492,110.43</b>	<b>649,393,052</b>	<b>1,185,605,348</b>

(a) Of the surveys in Minnesota, 268,748 acres of the reservation for the Chippewas of the Mississippi, per treaty of March 19, 1867, (Statutes, vol. 16, page 719.) were subdivided into legal subdivisions, also, 193,914 acres of the White Earth Indian reservation, per same treaty.  
 (b) Of the surveys in Kansas, 21,132 acres are of the reservation for the Otoe and Missouri Indians under treaty of March 15, 1854.  
 (c) Of the surveys in Nebraska, 56,042 acres are of the reservation for the Otoe and Missouri Indians under treaty as above.  
 (d) Of the surveys in Washington Territory, 4,173 acres are of the Skokomish Indian reservation under treaty of January 26, 1855; 4,717 acres of the Nisqually reservation under treaty of December 26, 1854; 18,062 acres of the Puyallup Indian reservation, treaty of December 26, 1854; 12,312 acres of the Lummi Indian reservation, subdivided into 40-acre tracts, treaty of January 22, 1855; 4,925 acres of the Chehalis Indian reservation; 1,494 acres of the Squaxin Indian reservation, subdivided into 40-acre tracts, under treaty of December 24, 1854, (Statutes, vol. 10, page 1132.) 3,357 acres of the Muckleshoot Indian reservation, and 22,489.91 of the Tullalip Indian reservation into 40-acre tracts, under treaty of January 22, 1855, (Statutes, vol. 12, page 927.)  
 (e) Of the surveys in Idaho, 18,560 acres are of the Cour d'Aléne Indian reservation, subdivided into 20-acre tracts.

S. S. BURDETT,  
*Commissioner.*

DEPARTMENT OF THE INTERIOR,  
*General Land-Office, 1874.*

No. 2.—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 thereof, and statement of incidental expenses thereon, in the first half of the fiscal year

[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, 1874.		Amount paid in cash and bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	Chillicothe .....	41.46	\$213 63	\$213 63	
Indiana .....	Indianapolis .....				
Illinois .....	Springfield .....	91.57	114 47	114 47	
Missouri .....	Booneville .....	3,472.07	7,232 43	7,232 43	
Do .....	Ironton .....	1,507.08	2,283 85	2,283 85	
Do .....	Springfield .....	750.57	1,250 13	1,250 13	
Total .....		5,729.72	10,766 41	10,766 41	
Alabama .....	Huntsville .....	54.00	1,874 29	1,874 29	
Do .....	Montgomery .....	14.48	254 30	254 30	
Do .....	Mobile .....	11.00	15 00	15 00	
Total .....		79.48	2,143 59	2,143 59	
Mississippi .....	Jackson .....	29.33	46 38	46 38	
Louisiana .....	New Orleans .....	233.09	267 19	267 19	
Do .....	Natchitoches .....	.64	1 60	1 60	
Do .....	Monroe .....	74.12	92 64	92 64	
Total .....		307.85	361 43	361 43	
Michigan .....	Detroit .....	4,200.39	6,626 75	6,626 75	
Do .....	East Saginaw .....	2,228.88	3,531 93	3,472 18	\$59 75
Do .....	Ionia .....	1,114.26	5,046 30	5,046 30	
Do .....	Marquette .....	75,923.21	106,874 32	106,082 66	791 66
Do .....	Traverse City .....	20,612.81	39,458 82	39,458 82	
Total .....		104,079.55	161,538 12	160,686 71	851 41
Arkansas .....	Little Rock .....	128.81	909 69	909 69	
Do .....	Camden .....	38.57	1,302 71	1,302 71	
Do .....	Harrison .....	40.18	414 55	414 55	
Do .....	Dardanelle .....	14.77	170 63	170 63	
Total .....		222.33	2,797 58	2,797 58	
Florida .....	Gainesville .....	64.29	1,843 04	1,843 04	
Iowa .....	Des Moines .....	587.40	1,074 13	1,074 13	
Do .....	Sioux City .....	585.40	6,010 29	6,010 29	
Total .....		1,172.80	7,084 42	7,084 42	
Montana .....	Helena .....	3,973.64	8,126 89	8,126 89	
Arizona .....	Prescott .....	339.11	920 00	920 00	
Do .....	Florence .....	4,083.76	5,660 00	5,660 00	
Total .....		4,422.87	6,580 00	6,580 00	

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 value commencing July 1, 1873, and ending June 30, 1874.

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, and number of acres, fees, and commissions under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also, under homestead act of 1862, and acts amendatory thereof, and timber-culture acts of March 3, 1873, and March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity located 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 in acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
80.00	\$10 00	\$16 44	\$26 44	121.46	\$240 07			\$620 70
								551 00
		2 00	2 00	91.57	116 47			504 28
12,930.42	1,050 00	1,010 27	2,060 27	16,402.49	9,292 70	480.00	\$12 00	2,412 51
14,133.88	1,030 00	806 35	1,836 35	15,640.96	4,120 20			1,409 53
13,693.37	1,070 00	1,056 00	2,126 00	14,443.94	3,376 13			1,720 00
40,757.67	3,150 00	2,872 62	6,022 62	46,487.39	16,789 03	480.00	12 00	5,542 04
31,639.80	2,740 00	1,142 00	3,882 00	31,693.80	5,756 29			2,311 87
28,897.85	2,505 00	2,952 00	3,457 00	28,912.33	3,711 30			1,576 07
28,341.72	2,200 00	871 00	3,071 00	28,352.72	3,086 00			1,434 29
38,879.37	7,445 00	2,965 00	10,410 00	88,958.85	12,553 59			5,322 23
34,579.02	2,805 00	1,123 00	3,928 00	34,608.35	3,974 38			2,725 00
16,200.09	1,050 00	417 91	1,467 91	16,433.18	1,735 10			1,795 82
992.37	115 00	44 65	159 65	993.01	161 25			430 71
6,905.39	505 00	184 31	689 31	6,979.51	781 95			681 15
24,097.85	1,670 00	646 87	2,316 87	24,405.70	2,678 30			2,907 68
9,506.47	785 00	372 04	1,157 04	13,706.86	7,783 79			1,559 21
4,554.09	395 00	397 46	792 46	6,782.97	4,324 39			1,167 54
12,735.59	1,030 00	1,212 22	2,242 22	13,849.85	7,288 52			1,889 22
12,610.29	1,185 00	567 24	1,752 24	88,533.50	108,626 56			3,008 38
25,374.82	2,215 00	1,993 44	4,208 44	45,987.63	43,667 26			3,086 75
64,781.26	5,610 00	4,542 40	10,152 40	168,860.81	171,690 52			10,721 10
23,448.73	2,150 00	882 72	3,032 72	23,577.54	3,942 41			1,549 82
43,751.53	3,575 00	1,439 96	5,014 96	43,790.10	6,317 67			2,174 53
32,49.39	2,435 00	932 78	3,367 78	32,489.57	3,782 31			1,564 40
21,402.34	2,800 00	1,022 45	3,822 45	21,417.11	4,053 08			1,571 28
121,051.99	10,960 00	4,337 89	15,297 89	121,274.32	18,095 47			6,860 03
34,189.49	2,575 00	1,397 06	3,972 06	34,253.78	5,815 10			2,371 12
3,791.47	420 00	519 59	939 59	4,378.87	2,013 72			1,565 34
21,935.75	2,005 00	2,296 83	4,301 83	21,821.15	10,312 12	160.00	4 00	3,100 00
25,027.22	2,425 00	2,816 42	5,241 42	26,200.02	12,325 84	160.00	4 00	4,665 34
960.00	90 00	60 00	150 00	4,933.64	8,276 89	6,228.85	176 00	2,032 27
480.00	30 00	18 00	48 00	819.11	968 00			687 40
120.00	10 00	4 50	14 50	4,203.76	5,674 50			921 62
600.00	40 00	22 50	62 50	5,022.87	6,642 50			1,609 02



## No. 2.—Statement of public lands sold, of cash and bounty-land scrip received there-

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, 1874.		Amount paid in cash and bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Utah	Salt Lake City	6,611.60	\$11,707 85	\$11,707 85	
Wisconsin	Wausau	38,258.03	50,874 50	50,874 50	
Do	Menasha	23,536.83	29,910 18	29,910 18	
Do	Falls Saint Croix	5,379.06	12,308 59	12,308 59	
Do	La Crosse	6,755.51	9,549 31	9,549 31	
Do	Bayfield	10,891.87	29,520 22	29,522 22	\$58 00
Do	Eau Claire	23,335.42	50,911 67	50,911 67	
Total		108,156.92	183,134 47	183,076 47	58 00
California	San Francisco	23,563.93	41,030 82	41,030 82	
Do	Sacramento	6,062.31	22,342 38	22,342 38	
Do	Marysville	6,004.35	31,902 55	31,902 55	
Do	Humboldt	9,981.19	13,231 28	13,231 28	
Do	Susanville	11,549.27	16,434 10	16,434 10	
Do	Stockton	23,590.41	42,915 81	42,915 81	
Do	Los Angeles	6,305.94	7,928 30	7,928 30	
Do	Visalia	9,566.02	22,167 25	22,167 25	
Do	Shasta	4,183.74	8,085 93	8,085 93	
Do	Independence	1,321.01	2,051 26	2,051 26	
Total		102,128.17	208,089 68	208,089 68	
Nevada	Carson City	1,203.34	4,010 51	4,010 51	
Do	Eureka	90.82	485 00	485 00	
Do	Belmont				
Do	Elko				
Total		1,294.16	4,495 51	4,495 51	
Minnesota	Taylor's Falls	2,137.00	3,254 12	3,254 12	
Do	Saint Cloud	29,365.27	39,460 23	39,460 23	
Do	Alexandria	2,948.71	6,550 73	6,550 73	
Do	Jackson	7,595.31	17,442 93	17,442 93	
Do	Red Wood Falls	5,556.88	10,150 20	10,150 20	
Do	New Ulm	3,151.07	10,364 52	10,364 52	
Do	Litchfield	2,578.15	7,759 05	7,759 05	
Do	Oak Lake	2,766.00	7,545 31	7,545 31	
Do	Du Luth	21,614.46	29,416 82	29,416 82	
Total		77,622.85	131,943 91	131,943 91	
Oregon	Oregon City	620.96	1,982 34	1,982 34	
Do	Roseburgh	5,292.93	9,016 20	9,016 20	
Do	Le Grand	2,331.49	4,704 91	4,704 91	
Do	Linkville	688.80	861 00	861 00	
Total		8,934.18	16,564 45	16,564 45	
Kansas	Topeka	30,422.58	45,940 07	45,940 07	
Do	Independence	292.30	1,165 38	1,165 38	
Do	Concordia	5,185.50	14,922 39	14,922 39	
Do	Wichita	4,116.33	11,294 83	11,294 83	
Do	Salina	3,326.42	12,341 62	12,341 62	
Do	Cawker City	5,765.60	11,554 87	11,554 87	
Total		49,108.73	97,219 16	97,219 16	
Washington	Olympia	16,469.02	29,917 57	29,917 57	
Do	Vancouver	695.24	2,017 32	2,017 32	
Do	Walla Walla	3,558.45	5,689 68	5,689 68	
Total		20,722.71	37,624 57	37,624 57	

for, 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 act, and of act approved March 21, 1864, amendatory thereof, and number of acres, fees, and commissions under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also, under homestead act of 1862, and acts amendatory thereof, and timber-culture acts of March 3, 1873, and March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity located 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 in acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
6, 749. 81	\$490 00	\$280 11	\$770 11	13, 361. 41	\$12, 477 96	959. 46	\$28 00	\$2, 075 47
16, 124. 56	1, 440 00	980 49	2, 420 49	54, 382. 59	53, 294 99	.....	.....	3, 798 10
4, 524. 25	325 00	165 58	490 58	25, 061. 18	30, 400 76	.....	.....	1, 319 97
17, 558. 68	1, 525 00	1, 210 56	2, 735 56	22, 937. 74	15, 044 15	.....	.....	2, 227 40
20, 070. 83	1, 520 00	1, 229 30	2, 749 30	26, 826. 34	12, 368 61	.....	.....	2, 426 60
800. 06	70 00	48 00	118 00	11, 691. 97	29, 698 22	.....	.....	1, 721 28
35, 908. 63	2, 910 00	1, 958 99	4, 868 99	59, 244. 05	55, 760 66	.....	.....	3, 416 34
94, 986. 95	7, 790 00	5, 662 92	13, 452 92	203, 143. 87	196, 587 39	.....	.....	14, 909 69
18, 817. 76	1, 275 00	1, 030 50	2, 305 50	42, 381. 69	43, 336 32	12, 700. 73	352 00	3, 020 00
6, 217. 34	625 00	439 69	1, 064 69	12, 279. 65	23, 407 07	10, 683. 12	272 00	2, 990 00
8, 604. 84	700 00	598 96	1, 298 96	14, 609. 19	33, 201 51	18, 073. 91	504 00	3, 753 89
8, 916. 31	565 00	381 18	946 18	18, 897. 50	14, 177 46	640. 00	20 00	2, 744 53
9, 592. 53	615 00	365 73	980 73	21, 141. 80	17, 414 83	.....	.....	1, 892 39
19, 011. 01	1, 335 00	941 06	2, 276 06	42, 601. 42	45, 191 87	2, 560. 00	92 00	3, 091 98
1, 295. 15	180 00	90 00	270 00	7, 601. 09	8, 128 30	320 00	8 00	1, 050 81
11, 279. 44	965 00	837 00	1, 802 00	20, 845. 46	23, 969 25	320. 00	8 00	3, 190 50
1, 680. 00	120 00	78 00	198 00	5, 863. 74	8, 283 93	.....	.....	1, 215 21
2, 003. 40	140 00	88 50	228 50	3, 324. 41	2, 279 76	.....	.....	984 40
87, 417. 78	6, 450 00	4, 850 62	11, 300 62	169, 545. 95	219, 390 30	45, 387. 76	1, 256 00	23, 933 71
1, 720. 00	120 00	78 00	198 00	2, 923. 34	4, 208 51	.....	.....	1, 323 48
320. 00	20 00	12 00	32 00	410. 82	517 00	.....	.....	910 70
.....	.....	.....	.....	.....	.....	.....	.....	609 49
.....	.....	.....	.....	.....	.....	.....	.....	250 00
2, 040. 00	140 00	90 00	230 00	3, 334. 16	4, 725 51	.....	.....	3, 253 67
5, 424. 43	500 00	601 63	1, 101 63	7, 561. 43	4, 355 75	.....	.....	2, 038 39
15, 774. 72	1, 370 00	1, 763 98	3, 133 98	45, 139. 99	42, 594 21	.....	.....	3, 000 00
16, 048. 85	1, 420 00	1, 378 49	2, 798 49	18, 997. 56	9, 349 22	2, 837. 84	72 00	3, 168 44
58, 183. 81	4, 740 00	4, 000 79	8, 740 79	65, 689. 12	26, 183 72	2, 233. 58	72 00	3, 112 10
27, 740. 30	2, 520 00	2, 146 21	4, 666 21	33, 297. 18	14, 816 41	.....	.....	3, 135 00
28, 535. 31	2, 555 00	2, 526 97	5, 081 97	31, 686. 38	15, 446 49	1, 600. 00	40 00	3, 041 64
23, 544. 11	2, 375 00	2, 483 47	4, 858 47	26, 122. 26	12, 617 52	160. 00	4 00	3, 355 72
7, 193. 48	950 00	677 63	1, 627 63	9, 959. 45	9, 172 94	.....	.....	2, 058 75
10, 823. 01	1, 140 00	717 48	1, 857 48	32, 437. 47	31, 274 30	473. 85	12 00	2, 230 93
193, 268. 02	17, 570 00	16, 296 65	33, 866 65	270, 890. 87	165, 810 56	7, 305. 27	200 00	25, 140 97
10, 883. 81	1, 010 00	934 22	1, 944 22	11, 504. 77	3, 926 56	.....	.....	3, 109 60
9, 077. 30	670 00	805 86	1, 475 86	14, 370. 23	10, 492 06	1, 113. 10	24 00	2, 330 84
1, 839. 60	140 00	174 00	314 00	4, 171. 09	5, 018 91	960 00	28 00	1, 009 58
2, 096. 20	135 00	78 60	213 60	2, 785. 00	1, 074 60	.....	.....	816 96
23, 896. 91	1, 955 00	1, 992 68	3, 947 68	32, 831. 09	20, 512 13	2, 073. 10	52 00	7, 266 98
7, 708. 70	845 00	938 93	1, 783 93	38, 131. 28	47, 724 00	.....	.....	2, 936 31
2, 253. 73	210 00	505 92	715 92	2, 646. 03	1, 881 30	.....	.....	3, 319 56
117, 547. 65	7, 940 00	4, 733 59	12, 673 59	122, 733. 15	27, 595 98	2, 560. 00	120 00	3, 152 48
109, 458. 80	7, 460 00	5, 498 37	12, 958 37	113, 575. 13	24, 253 00	160. 00	4 00	3, 229 04
122, 811. 83	8, 745 00	6, 803 02	15, 548 02	126, 138. 25	27, 889 64	2, 720. 00	104 00	3, 124 85
133, 646. 27	8, 375 00	3, 570 22	11, 945 22	139, 411. 87	23, 500 09	3, 997. 32	144 00	3, 274 25
493, 526. 98	33, 575 00	22, 050 05	55, 625 05	542, 635. 71	152, 844 21	9, 437. 32	372 00	19, 036 49
12, 397. 75	1, 235 00	900 00	2, 135 00	28, 866. 77	32, 052 57	.....	.....	3, 324 84
2, 649. 25	525 00	383 30	908 30	3, 344. 49	2, 925 62	.....	.....	1, 034 02
4, 319. 81	320 00	270 00	590 00	7, 878. 26	6, 279 68	.....	.....	1, 329 28
19, 366. 81	2, 080 00	1, 553 30	3, 633 30	40, 089. 52	41, 257 87	.....	.....	5, 688 14

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, 1874.		Amount paid in cash and bounty-land scrip respectively, for the first half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Nebraska .....	North Platte .....	3,264.01	\$5,119 80	\$5,119 80	.....
	Lowell .....	4,923.70	8,864 10	8,864 10	.....
	Norfolk .....	1,906.00	5,276 12	5,276 12	.....
	Beatrice .....	980.62	4,301 35	4,301 35	.....
	Lincoln .....	560.83	6,639 88	6,639 88	.....
	Dakota City .....	6,261.71	8,218 36	8,218 36	.....
	Grand Island .....	2,404.82	10,893 36	10,893 36	.....
<b>Total</b> .....	.....	<b>20,301.69</b>	<b>49,312 97</b>	<b>49,312 97</b>	.....
New Mexico.....	Santa Fé.....	1,445.72	1,807 15	1,807 15	.....
Dakota .....	Springfield.....	2,308.21	3,285 29	3,285 29	.....
	Sioux Falls .....	18,261.71	30,615 06	30,615 06	.....
	Pembina .....	2,331.73	2,934 48	2,934 48	.....
	Yankton.....	5,439.84	9,093 40	9,093 40	.....
<b>Total</b> .....	.....	<b>28,342.49</b>	<b>45,929 13</b>	<b>45,929 13</b>	.....
Colorado .....	Pueblo .....	21,300.73	29,694 33	29,694 33	.....
	Central City .....	5,304.88	8,648 69	8,648 69	.....
	Denver City .....	9,148.71	18,784 84	18,784 84	.....
	Fair Play .....	6,986.85	8,933 57	8,933 57	.....
<b>Total</b> .....	.....	<b>42,741.17</b>	<b>66,061 43</b>	<b>66,061 43</b>	.....
Idaho .....	Boise City .....	1,672.62	2,330 80	2,330 80	.....
	Lewiston .....	659.50	824 38	824 38	.....
<b>Total</b> .....	.....	<b>2,332.12</b>	<b>3,155 18</b>	<b>3,155 18</b>	.....
Wyoming.....	Cheyenne.....	480.20	800 50	800 50	.....

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1872

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 act, and of act approved March 21, 1864, amendatory thereof; and number of acres, fees, and commissions under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also, under homestead act of 1862, and acts amendatory thereof, and timber-culture acts of March 3, 1873, and March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity located 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 in acres.	Fees.	Registers' and receivers' commissions.	Aggregate of fees and registers' and receivers' commissions,	Acres.	Amount.	Acres.	Amount.	
24,292.49	\$1,605 00	\$1,042 96	\$2,647 96	27,556.50	\$7,767 76	.....	.....	\$2,186 26
94,004.12	6,275 00	3,792 73	10,067 73	98,927.82	18,931 83	2,879.07	\$120 00	3,127 72
29,037.32	1,945 00	2,048 08	3,993 08	30,943.32	9,269 20	1,759.63	44 00	2,596 99
26,989 70	2,390 00	2,560 02	4,950 02	27,970.32	9,251 37	639.52	20 00	3,146 39
77,759.49	8,050 00	7,237 70	15,287 70	78,320.32	21,927 58	160.00	4 00	2,314 54
18,200.01	1,175 00	618 00	1,793 00	24,461.72	10,011 36	.....	.....	2,073 60
85,377.43	6,755 00	5,749 27	12,504 27	87,782.25	23,397 63	1,920.00	56 00	3,231 20
355,660.56	28,195 00	23,048 76	51,243 76	375,962.25	100,556 73	7,352.22	244 00	18,676 70
1,677.84	130 00	77 84	207 84	3,123.56	2,014 99	.....	.....	959 38
20,265.33	1,275 00	690 68	1,875 68	22,573.54	5,160 97	1,747.97	44 00	2,029 94
86,823.42	5,485 00	2,700 85	8,185 85	105,085.13	38,801 81	2,079.00	48 00	3,303 69
9,821.43	700 00	408 38	1,108 38	12,155.16	4,037 86	.....	.....	1,450 79
38,354.13	2,410 00	1,090 38	3,500 38	43,793.97	12,593 78	3,840.00	112 00	2,545 94
155,264.31	9,870 00	4,795 29	14,665 29	183,607.80	60,594 42	7,666.97	204 00	9,330 36
15,067.52	960 00	615 50	1,575 50	36,368.25	31,269 83	11,657.47	292 00	3,033 75
2,070.43	150 00	120 00	270 00	7,375.31	8,918 69	317.06	8 00	2,470 30
21,475.08	1,585 00	1,564 50	3,149 50	30,623.79	21,934 34	1,919.20	64 00	3,122 00
1,261.90	80 00	48 00	128 00	8,248.75	9,061 57	160.00	4 00	916 32
39,874.93	2,775 00	2,348 00	5,123 00	82,616 10	71,184 43	14,053.73	368 00	9,542 37
9,259.97	520 00	372 00	952 00	10,932.59	3,282 80	.....	.....	916 59
479.88	30 00	18 00	48 00	1,139.38	872 38	.....	.....	609 24
9,739.85	610 00	390 00	1,000 00	12,071.97	4,155 18	.....	.....	1,525 83
1,440.00	110 00	90 00	200 00	1,920.20	1,000 50	.....	.....	752 00

S. S. BURDETT,  
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, 1874.		Amount paid in cash and bounty-land scrip, respectively, for the first half of the fiscal year ending June 30, 1874, mentioned in the first column.	
	Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	41.46	\$213 63	\$213 63	
Indiana .....				
Illinois .....	91.57	44 47	114 47	
Missouri .....	5,729.72	10,766 41	10,766 41	
Alabama .....	79.48	2,143 59	2,143 59	
Mississippi .....	29.33	46 38	46 38	
Louisiana .....	307.85	361 43	361 43	
Michigan .....	104,079.55	161,538 12	160,686 71	\$851 41
Arkansas .....	222.33	2,797 58	2,797 58	
Florida .....	64.29	1,843 04	1,843 04	
Iowa .....	1,172.80	7,084 42	7,084 42	
Montana .....	3,973.64	8,126 89	8,126 89	
Arizona .....	4,492.87	6,580 00	6,580 00	
Utah .....	6,611.60	11,707 85	11,707 85	
Wisconsin .....	108,156.92	183,134 47	183,076 47	58 00
California .....	102,128.17	208,089 68	208,089 68	
Nevada .....	1,294.16	4,495 51	4,495 51	
Minnesota .....	77,692.85	131,943 91	131,943 91	
Oregon .....	8,934.18	16,564 45	16,564 45	
Kansas .....	49,108.73	97,219 16	97,219 16	
Washington .....	20,722.71	37,624 57	37,624 57	
Nebraska .....	20,301.69	49,312 97	49,312 97	
New Mexico .....	1,445.72	1,807 15	1,807 15	
Dakota .....	28,343.49	45,929 13	45,929 13	
Colorado .....	42,741.17	66,061 43	66,061 43	
Idaho .....	2,332.12	3,155 18	3,155 18	
Wyoming .....	480.20	800 50	800 50	
Totals .....	590,438.60	1,059,461 92	1,058,552 51	909 41

To which add number of acres located with agricultural scrip and commissions thereon...

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

number of acres entered under the homestead law of May 20, 1862, &c.—Continued.

ULATION.

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, and number of acres, fees, and commissions under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip, homestead act of 1862, and timber-culture act of March 3, 1873, and of March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity located 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' commissions.	Acres.	Amount.	Acres.	Amount.	Amount.
80.00	\$10 00	\$16 44	\$26 44	121.46	\$240 07			\$620 70
40, 757. 67	3, 150 00	2, 872 62	6, 022 62	46, 487. 39	16, 789 03	480 00	\$12 00	551 00
58, 879. 37	7, 445 00	2, 965 00	10, 410 00	88, 958. 85	12, 553 59			504 28
34, 579. 02	2, 805 00	1, 123 00	3, 928 00	34, 608. 35	3, 974 38			5, 542 04
24, 097. 85	1, 670 00	646 87	2, 316 87	24, 405. 70	2, 678 30			2, 725 00
64, 781. 26	5, 610 00	4, 542 40	10, 152 40	168, 860. 81	171, 690 52			2, 907 68
121, 051. 99	10, 960 00	4, 337 89	15, 297 89	121, 274. 32	18, 095 47			10, 721 10
34, 189. 49	2, 575 00	1, 397 06	3, 972 06	34, 253. 78	5, 815 10			6, 860 03
25, 027. 22	2, 425 00	2, 816 42	5, 241 42	26, 200. 02	12, 325 84	160 00	4 00	2, 371 12
950. 00	90 00	60 00	150 00	4, 933. 64	8, 276 89	6, 228 85	176 00	4, 665 34
600. 00	40 00	22 50	62 50	5, 022 87	6, 642 50			2, 032 27
6, 749. 81	7, 490 00	280 11	770 11	13, 361. 41	12, 477 96	959. 46	28 00	2, 075 47
94, 986. 95	7, 790 00	5, 662 92	13, 452 92	203, 143. 87	196, 587 39			1, 609 02
87, 417. 78	6, 450 00	4, 850 62	11, 300 62	189, 545. 95	219, 390 30	45, 387. 76	1, 256 00	14, 909 69
2, 040. 00	140 00	90 00	230 00	3, 334. 16	4, 725 51			23, 933 71
193, 268. 02	17, 570 00	16, 296 65	33, 866 65	270, 890. 87	165, 810 56	7, 305. 27	200 00	3, 253 67
23, 896. 91	1, 955 00	1, 992 68	3, 947 68	32, 831. 09	20, 512 13	2, 073. 10	52 00	25, 140 97
493, 526. 98	33, 575 00	22, 050 05	55, 625 05	542, 635. 71	152, 844 21	9, 437. 32	372 00	7, 266 98
19, 366. 81	2, 080 00	1, 553 30	3, 633 30	40, 089. 52	41, 257 87			19, 036 49
355, 660. 56	28, 195 00	23, 048 76	51, 243 76	375, 962. 25	100, 556 73	7, 358. 22	244 00	5, 688 14
1, 677. 84	130 00	77 84	207 84	3, 123. 56	2, 014 99			18, 676 70
155, 264. 31	9, 870 00	4, 795 29	14, 665 29	183, 607. 80	60, 594 42	7, 666. 97	204 00	959 38
39, 874. 93	2, 775 00	2, 348 00	5, 123 00	82, 616. 10	71, 184 43	14, 053. 73	368 00	9, 330 36
9, 739. 85	610 00	390 00	1, 000 00	12, 071. 97	4, 155 18			9, 542 37
1, 440. 00	110 00	90 00	200 00	1, 920. 20	1, 000 50			1, 525 83
1, 919, 914. 62	148, 520 00	104, 328 42	252, 848 42	2, 510, 353 22	1, 312, 310 34	101, 110 68	2, 916 00	752 00
				101, 110 68	2, 916 00			
				2, 611, 463 90	1, 315, 226 34			188, 523 57

S. S. BURDETT,  
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, 1874.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	Chillicothe .....	129.65	\$162 06	\$162 06	
Indiana .....	Indianapolis .....	332.85	416 07	416 07	
Illinois .....	Springfield .....	235.42	279 99	279 99	
Missouri .....	Booneville .....	1,871.07	3,834 59	3,784 59	\$100 00
	Ironton .....	613.98	1,087 09	1,087 09	
	Springfield .....	678.35	1,269 91	1,269 91	
Total .....		3,163.40	6,241 59	6,141 59	100 00
Alabama .....	Huntsville .....	75.35	449 29	449 29	
	Montgomery .....	28.25	236 48	236 48	
	Mobile .....	4.00	5 00	5 00	
Total .....		107.60	690 77	690 77	
Mississippi .....	Jackson .....	43.15	82 64	82 64	
Louisiana .....	New Orleans .....	87.25	276 31	276 31	
	Natchitoches .....	2.10	123 60	123 60	
	Monroe .....	6.45	8 06	8 06	
Total .....		95.80	407 97	407 97	
Michigan .....	Detroit .....	1,309.61	1,778 70	1,778 70	
	East Saginaw .....	1,549.02	1,960 43	1,960 43	
	Ionia .....	1,062.15	3,818 54	3,818 54	
	Marquette .....	22,247.35	30,795 92	30,495 92	300 00
	Traverse City .....	1,869.24	5,133 75	5,133 75	
Total .....		28,037.37	43,487 34	43,187 34	300 00
Arkansas .....	Little Rock .....	38.89	995 13	995 13	
	Camden .....	28.07	751 91	751 91	
	Harrison .....	43.22	1,060 00	1,060 00	
	Dardanelle .....	11.68	696 43	696 43	
Total .....		121.86	3,503 47	3,503 47	
Florida .....	Gainesville .....	81.26	1,754 51	1,754 51	
Iowa .....	Des Moines .....	573.69	1,335 61	1,335 61	
	Sioux City .....	140.20	1,300 51	1,300 51	
Total .....		713.89	2,636 12	2,636 12	

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, 1873, and ending June 30, 1874.

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, and number of acres and fees, and commissions, under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also under the homestead act of 1862, and acts amendatory, timber-culture acts of Mar. 3, 1873, and Mar. 13, 1874, including registers' and receivers' commissions on homesteads.		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.	
118.73	\$10 00	\$14 84	\$24 84	248.38	\$186 90	.....	.....	\$651 38
.....	.....	.....	.....	332.85	416 07	.....	.....	639 16
160.00	10 00	8 00	18 00	395.42	297 99	.....	.....	563 60
9,564.11	860 00	891 12	1,681 12	11,435.18	5,565 71	.....	.....	2,090 06
6,048.62	465 00	368 30	833 30	6,662.60	1,920 39	.....	.....	804 25
11,584.38	955 00	955 00	1,910 00	12,262.73	3,179 91	.....	.....	1,593 88
27,197.11	2,280 00	2,144 42	4,424 42	30,360.51	10,666 01	.....	.....	4,488 19
40,290.12	3,460 00	1,472 00	4,932 00	40,365.47	5,381 29	.....	.....	2,242 33
32,003.95	2,750 00	1,095 00	3,845 00	32,032.20	4,081 48	.....	.....	2,027 70
20,557.22	1,540 00	620 00	2,160 00	20,561.22	2,165 00	.....	.....	1,123 07
92,851.29	7,750 00	3,187 00	10,937 00	92,958.89	11,627 77	.....	.....	5,393 10
17,572.62	1,660 00	692 00	2,352 00	17,615.77	2,434 64	.....	.....	1,657 92
11,485.60	795 00	465 31	1,260 31	11,572.85	1,536 62	.....	.....	1,017 88
3,052.64	300 00	113 99	413 99	3,060.74	537 59	.....	.....	470 84
6,155.34	465 00	173 72	638 72	6,161.79	646 78	.....	.....	724 68
20,699.58	1,560 00	753 02	2,313 02	20,795.38	2,720 99	.....	.....	2,213 40
10,287.56	780 00	375 64	1,155 64	11,597.17	2,934 34	.....	.....	1,206 85
6,352.14	480 00	472 41	952 41	7,901.16	2,912 84	160.00	\$4 00	1,218 22
15,300.45	1,320 00	1,194 34	2,514 34	16,362.60	6,332 88	.....	.....	1,842 69
10,846.34	940 00	473 01	1,413 01	33,093.69	32,208 93	.....	.....	2,498 05
30,232.51	2,595 00	2,180 43	4,775 43	32,101.75	9,909 18	.....	.....	2,795 35
73,019.00	6,115 00	4,695 83	10,810 83	101,056.37	54,298 17	160.00	4 00	9,561 16
20,511.50	1,950 00	885 60	2,835 60	20,550.39	3,830 73	.....	.....	1,653 55
41,670.47	3,241 00	1,383 45	4,624 45	41,698.54	5,376 36	.....	.....	2,202 98
44,390.52	3,335 00	1,574 69	4,929 69	44,433.74	5,989 69	.....	.....	2,203 92
11,602.31	1,290 00	583 99	1,873 99	11,613.99	2,570 42	.....	.....	1,173 93
118,174.80	9,836 00	4,427 73	14,263 73	118,296.66	17,767 20	.....	.....	7,234 38
46,332.23	4,035 00	1,640 83	5,675 83	46,413.49	7,430 34	.....	.....	2,245 94
2,732.01	340 00	461 12	801 12	3,305.70	2,136 73	.....	.....	2,079 71
22,522.12	2,630 00	2,956 00	5,586 00	22,722.32	6,886 51	.....	.....	3,000 00
25,314.13	2,970 00	3,417 12	6,387 12	26,028.02	9,023 24	.....	.....	5,079 71



## 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, 1874.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Montana.....	Helena.....	8,406.41	\$13,830.46	\$13,830.46	
Arizona.....	Prescott.....	999.25	1,249.07	1,249.07	
	Florence.....	666.50	936.28	936.28	
	Total.....	1,665.75	2,185.35	2,185.35	
Utah.....	Salt Lake City.....	7,059.52	11,904.17	11,904.17	
Wisconsin.....	Warsaw.....	13,379.87	17,897.75	17,897.75	
	Menasha.....	7,032.43	9,149.98	9,149.98	
	Falls Saint Croix.....	2,754.95	5,685.41	5,685.41	
	La Crosse.....	8,505.49	12,165.60	12,165.60	
	Bayfield.....	4,174.13	11,732.90	10,482.50	\$1,250.00
	Eau Claire.....	4,071.70	6,925.02	6,925.02	
	Total.....	39,918.57	63,556.66	62,308.66	1,250.00
California.....	San Francisco.....	47,261.41	76,565.11	76,565.11	
	Sacramento.....	6,015.70	25,164.89	25,164.89	
	Marysville.....	14,266.19	33,059.38	33,059.38	
	Humboldt.....	29,710.85	39,500.44	39,500.44	
	Susanville.....	6,139.47	9,575.92	9,475.92	100.00
	Stockton.....	24,186.79	40,315.38	40,315.38	
	Los Angeles.....	8,265.77	11,279.27	11,279.27	
	Visalia.....	24,787.00	57,284.46	57,284.46	
	Shasta.....	2,030.66	3,979.52	3,979.52	
	Independence.....	1,334.64	2,339.50	2,339.50	
	Total.....	163,999.38	299,063.87	298,963.87	100.00
Nevada.....	Carson City.....	800.81	2,028.11	2,028.11	
	Eureka.....	123.41	645.00	645.00	
	Pioche.....				
	Elko.....	400.00	600.00	600.00	
	Total.....	1,324.22	3,273.11	3,273.11	
Minnesota.....	Red-Wood Falls.....	6,242.88	10,352.11	10,352.11	
	Taylor's Falls.....	1,362.62	1,756.66	1,756.66	
	Saint Cloud.....	12,348.70	16,848.54	16,848.54	
	Alexandria.....	1,174.11	2,345.03	2,345.03	
	Jackson.....	563.50	2,494.65	2,494.65	
	Worthington.....	945.53	3,203.65	3,203.65	
	New Ulm.....	1,368.58	3,197.39	3,197.39	
	Litchfield.....	928.69	1,815.06	1,815.06	
	Detroit.....	2,903.47	6,457.89	6,457.89	
	Oak Lake.....				
	Du Luth.....	6,369.83	10,571.29	10,571.29	
	Total.....	34,207.91	59,042.27	59,042.27	
Oregon.....	Oregon City.....	1,549.70	3,793.17	3,793.17	
	Roseburg.....	6,672.00	8,674.98	8,674.98	
	Le Grand.....	1,491.37	3,762.21	3,762.21	
	Linkville.....	507.42	834.27	834.27	
	Total.....	10,220.49	17,064.63	17,064.63	

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 act, and of act approved March 21, 1864, amendatory thereof, and number of acres, and fees, and commissions, under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also under the homestead act of 1862, and acts amendatory, timber-culture acts of Mar. 3, 1873, and Mar. 13, 1874, including registers' and receivers' commissions on homesteads.		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.	
1,800.00	\$130 00	\$105 00	\$235 00	10,206.41	\$14,065 46	.....	.....	\$2,361 60
472.63	40 00	20 00	60 00	1,471.82	1,309 07	.....	.....	575 58
160.00	10 00	6 00	16 00	826.50	952 28	.....	.....	894 33
632.63	50 00	26 00	76 00	2,298.32	2,261 35	.....	.....	1,469 91
10,990.24	845 00	1,631 58	2,476 58	18,049.76	14,380 75	1,278.00	[\$32 00	2,817 89
15,777.16	1,355 00	959 12	2,314 12	29,157.03	20,211 87	.....	.....	3,025 82
6,959.20	510 00	303 19	813 19	13,992.23	9,963 17	.....	.....	1,424 44
20,470.81	1,850 00	1,171 08	3,021 08	23,225.76	8,706 49	.....	.....	2,084 72
27,729.10	2,080 00	1,432 22	3,512 22	36,234.59	15,677 82	.....	.....	2,387 54
930.20	100 00	46 54	146 54	5,104.93	11,879 44	.....	.....	1,118 92
26,750.13	2,240 00	1,520 77	3,760 77	30,821.83	10,685 79	.....	.....	3,994 60
92,617.20	8,135 00	5,432 92	13,567 92	132,536.37	77,124 58	.....	.....	14,036 06
14,790.89	1,045 00	750 00	1,795 00	62,052.30	72,360 11	.....	.....	3,127 00
16,310.15	1,240 00	849 98	2,089 98	22,325.85	27,254 87	2,548.60	60 00	2,947 48
2,081.79	720 00	629 90	1,349 90	22,347.98	34,409 28	3,359.37	84 00	3,058 08
12,645.17	1,170 00	748 06	1,918 06	48,356.02	41,418 50	.....	.....	3,188 78
3,595.39	220 00	149 82	379 82	9,734.86	9,955 74	.....	.....	1,168 32
14,567.25	1,010 00	714 20	1,724 20	38,754.64	42,039 58	.....	.....	3,231 00
560.00	40 00	54 00	94 00	8,825.77	11,373 27	.....	.....	1,042 21
14,584.05	1,350 00	1,063 00	2,413 00	39,371.95	59,697 46	.....	.....	2,995 56
1,194.37	110 00	78 00	188 00	3,225.03	4,167 52	.....	.....	892 56
1,200.00	75 00	45 00	120 00	2,534.64	2,459 50	.....	.....	985 92
93,529.66	6,990 00	5,081 96	12,071 96	257,529.04	311,135 83	5,907.97	144 00	22,643 51
2,561.29	160 00	102 00	262 00	3,362.10	2,220 11	.....	.....	1,294 56
420.00	30 00	18 00	48 00	603.41	693 00	.....	.....	860 21
960.00	60 00	72 00	132 00	960.00	132 00	.....	.....	901 57
1,551.87	100 00	90 00	190 00	1,951.87	790 00	.....	.....	556 00
5,553.16	350 00	282 00	632 00	6,877.38	3,905 11	.....	.....	3,612 34
25,098.61	1,990 00	1,529 70	3,519 70	31,341.49	13,871 81	.....	.....	3,158 62
5,539.73	535 00	469 03	1,004 03	6,902.35	2,760 69	.....	.....	1,153 51
14,943.01	1,480 00	1,385 62	2,865 62	27,291.71	19,714 16	.....	.....	2,508 41
15,682.91	1,265 00	1,138 55	2,423 55	16,857.02	4,768 58	160.00	4 00	2,106 76
24,913.35	1,845 00	1,497 75	3,342 75	25,476.85	5,837 40	.....	.....	1,521 00
49,682.90	3,345 00	2,680 03	6,025 03	50,628.43	9,228 68	160.00	4 00	1,549 25
27,329.15	2,300 00	1,803 00	4,103 00	28,697.73	7,300 39	.....	.....	3,079 99
32,287.05	2,870 00	1,861 18	4,731 18	33,215.74	6,546 24	.....	.....	2,893 58
12,590.22	1,050 00	604 54	1,654 54	15,493.69	8,112 43	160.00	4 00	3,252 80
7,192.41	765 00	538 78	1,303 78	13,562.24	11,875 07	.....	.....	2,453 15
215,259.34	17,445 00	13,528 12	30,973 18	249,467.25	90,015 45	480.00	12 00	23,676 97
8,382.16	735 00	843 64	1,578 64	9,931.86	5,371 81	.....	.....	3,173 15
8,477.96	610 00	559 23	1,169 23	15,149.96	9,644 21	160.00	4 00	2,080 47
3,193.82	235 00	358 42	593 42	4,685.25	4,355 63	320.00	8 00	1,536 06
1,715.55	110 00	64 33	174 33	2,222.97	1,006 60	.....	.....	746 98
21,769.55	1,690 00	1,225 62	3,515 62	31,990.04	20,560 25	480.00	12 00	7,536 62

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, 1874.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1874.	
		Acres.	Amount.	Cash.	Bounty-land scrip.
Kansas .....	Topeka .....	3,973.78	\$6,620 01	\$6,620 01	
	Independence .....	327.34	724 18	724 18	
	Concordia .....	2,910.02	8,727 47	8,727 47	
	Wichita .....	3,243.13	8,187 25	8,187 25	
	Salina .....	4,150.65	11,870 53	11,870 53	
	Cawker City .....	3,609.60	7,352 90	7,352 90	
	Total .....		18,274.58	43,542 34	43,542 34
Washington .....	Olympia .....	12,274.75	23,266 47	23,266 47	
	Vancouver .....	609.38	1,527 25	1,527 25	
	Walla-Walla .....	5,514.14	10,010 23	10,010 23	
Total .....		18,398.27	34,803 95	34,803 95	
Nebraska .....	North Platte .....	2,738.83	5,736 87	5,736 87	
	Lowell .....	3,399.48	9,629 09	9,629 09	
	Norfolk .....	303.21	1,601 78	1,601 78	
	Beatrice .....	653.45	4,474 31	4,474 31	
	Lincoln .....	516.13	5,175 09	5,175 09	
	Dakota City .....	3,206.37	4,558 75	4,558 75	
	Grand Island .....	1,215.95	8,259 65	8,259 65	
Total .....		12,633.42	39,435 54	39,435 54	
New Mexico .....	Santa Fé .....	202.17	304 21	304 21	
Dakota .....	Springfield .....	4,566.30	7,213 75	7,213 75	
	Sioux Falls .....	15,387.99	28,805 11	28,805 11	
	Pembina .....	2,093.41	3,110 76	3,110 76	
	Yankton .....	5,087.72	9,457 31	9,457 31	
Total .....		27,135.42	48,586 93	48,586 93	
Colorado .....	Pueblo .....	34,835.02	46,143 87	46,143 87	
	Central City .....	3,167.34	5,718 83	5,718 83	
	Denver City .....	22,582.36	38,780 09	38,780 09	
	Fair Play .....	9,200.63	11,658 69	11,658 69	
Total .....		69,785.35	102,301 46	102,301 48	
Idaho .....	Boise City .....	1,571.22	2,409 84	2,409 84	
	Lewiston .....	2,117.80	2,647 25	2,647 25	
Total .....		3,689.02	5,057 09	5,057 09	
Wyoming .....	Cheyenne .....	924.13	2,102 82	2,102 82	

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

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 act, and of act approved March 21, 1864, amendatory thereof, and number of acres, and fees, and commissions, under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip; also under the homestead act of 1862, and acts amendatory, timber-culture acts of Mar. 3, 1873, and Mar. 13, 1874, including registers' and receivers' commissions on homesteads.		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.	Amount.
6,390.70	\$775 00	\$718 37	\$1,503 37	10,364.48	\$8,123 38	.....	.....	\$1,632 74
1,681.20	175 00	355 41	530 41	2,069.14	1,314 59	.....	.....	2,410 51
140,372.60	10,060 00	5,326 93	15,446 93	143,232.68	24,174 40	640.00	\$32 00	3,189 20
138,336.36	9,425 00	5,504 06	14,929 06	141,579.49	23,116 31	160.00	4 00	3,254 39
169,336.10	12,650 00	7,118 93	19,768 93	173,486.75	31,639 46	160.00	4 00	3,173 25
171,348.02	9,165 00	4,671 82	13,836 82	174,957.62	21,189 72	639.76	40 00	3,329 90
627,465.58	42,260 00	23,755 52	66,015 52	645,740.16	109,557 86	1,599.76	80 00	16,989 99
13,412.01	1,185 00	1,009 50	2,194 50	25,626.76	25,460 97	.....	.....	2,787 88
3,657.37	350 00	345 08	695 08	4,266.75	2,222 33	160.00	4 00	954 20
5,402.09	435 00	395 50	830 50	10,916.23	10,840 73	.....	.....	1,789 45
22,471.47	1,970 00	1,750 08	3,720 08	40,869.74	38,524 03	160.00	4 00	5,531 53
35,305.04	2,435 00	1,387 28	3,822 28	38,043.87	9,559 15	.....	.....	2,770 02
182,005.74	12,340 00	5,917 87	18,257 87	185,405.22	27,886 96	640.00	24 00	3,036 39
37,054.82	2,575 00	2,041 05	4,616 05	37,358.03	6,217 83	160.00	4 00	3,984 15
24,650.73	2,155 00	2,409 35	4,564 35	25,304.18	9,038 66	.....	.....	3,025 18
94,697.95	9,580 00	7,949 84	17,528 84	95,214.08	22,704 93	.....	.....	3,609 35
37,317.65	2,451 00	1,327 00	3,778 00	40,524.02	8,336 75	.....	.....	2,543 02
151,093.36	12,345 00	6,951 64	19,296 64	152,909.31	27,556 29	316.57	8 00	3,657 10
562,125.29	43,881 00	27,984 03	71,865 03	574,758.71	111,300 57	1,116.57	36 00	22,625 21
560.00	50 00	48 00	98 00	762.17	402 21	.....	.....	675 58
43,318.04	2,805 00	1,412 94	4,217 94	47,884.34	11,431 69	.....	.....	3,026 96
153,247.27	10,325 00	5,371 47	15,696 47	168,635.26	44,501 58	.....	.....	3,471 69
3,573.22	230 00	92 99	322 99	5,666.63	3,433 75	.....	.....	1,039 21
57,755.55	3,780 00	2,103 01	5,883 01	62,843.27	15,340 32	.....	.....	2,957 60
257,894.08	17,140 00	8,980 41	26,120 41	285,029.50	74,707 34	.....	.....	10,495 46
13,441.40	855 00	554 00	1,409 00	48,276.42	47,552 87	.....	.....	3,154 75
2,400.00	170 00	132 00	302 00	5,567.34	6,020 83	.....	.....	2,237 68
26,003.40	1,940 00	1,694 50	3,634 50	48,585.56	42,414 59	640.00	16 00	3,132 20
2,077.09	130 00	78 00	208 00	11,277.72	11,866 69	.....	.....	1,099 16
43,921 89	3,095 00	2,458 50	5,553 50	113,707 24	107,854 98	640.00	16 00	9,623 79
7,864.36	495 00	376 38	871 38	9,435.58	3,281 22	.....	.....	1,817 82
1,562.50	100 00	58 00	158 00	3,680.30	2,805 25	.....	.....	725 41
9,426.86	595 00	434 38	1,029 38	13,115.88	6,086 47	.....	.....	2,543 23
9,435.44	110 00	84 00	194 00	10,359.57	2,296 82	.....	.....	1,427 04

S. S. BURDETT,  
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 the same for the second half of the fiscal year ending June 30, 1874.		Amount paid in cash and bounty-land scrip respectively, for the second half of the fiscal year ending June 30, 1874, mentioned in the first column.	
	Acres.	Amount.	Cash.	Bounty-land scrip.
Ohio .....	129.65	\$162 06	\$162 06	.....
Indiana .....	332.85	416 07	416 07	.....
Illinois .....	235.42	279 99	279 99	.....
Missouri .....	3,163.40	6,141 59	6,141 59	\$100 00
Alabama .....	107.60	690 77	690 77	.....
Mississippi .....	43.15	82 64	82 64	.....
Louisiana .....	95.80	407 97	407 97	.....
Michigan .....	28,037.37	43,487 34	43,187 34	300 00
Arkansas .....	121.86	3,503 47	3,503 47	.....
Florida .....	81.26	1,754 51	1,754 51	.....
Iowa .....	713.89	2,636 12	2,636 12	.....
Montana Territory .....	8,406.41	13,830 46	13,830 46	.....
Arizona Territory .....	1,665.75	2,185 35	2,185 35	.....
Utah Territory .....	7,059.52	11,904 17	11,904 17	.....
Wisconsin .....	39,918.57	63,556 66	62,306 66	1,250 00
California .....	163,999.38	299,063 87	298,963 87	100 00
Nevada .....	1,324.22	3,273 11	3,273 11	.....
Minnesota .....	34,207.91	59,042 27	59,042 27	.....
Oregon .....	10,220.49	17,064 33	17,064 33	.....
Kansas .....	18,274.58	43,542 34	43,542 34	.....
Washington Territory .....	18,398.27	34,803 95	34,803 95	.....
Nebraska .....	12,633.42	39,435 54	39,435 54	.....
New Mexico Territory .....	202.17	304 21	304 21	.....
Dakota Territory .....	27,135.42	48,586 93	48,586 93	.....
Colorado Territory .....	69,785.35	102,301 48	102,301 48	.....
Idaho Territory .....	3,689.02	5,057 09	5,057 09	.....
Wyoming Territory .....	924.13	2,102 82	2,102 82	.....
<b>Total</b> .....	<b>450,906.26</b>	<b>805,717 41</b>	<b>803,967 41</b>	<b>1,750 00</b>

To which add number of acres located with agricultural scrip and commissions

DEPARTMENT OF THE INTERIOR.  
General Land-Office, November 1, 1874.

number of acres entered under the homestead-law of May 20, 1862, &c.—Continued.

ULATION.

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, and number of acres, fees, and commissions under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash and bounty-land scrip, homestead-act of 1862, and acts amendatory, and timber-culture acts of March 3, 1873, and March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity located 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.	
118. 73	\$10 00	\$14 84	\$24 84	248. 32	\$186 90	.....	.....	\$651 38
.....	.....	.....	.....	332. 85	416 07	.....	.....	639 16
160. 00	10 00	8 00	18 00	395. 42	297 99	.....	.....	563 60
27, 197. 11	2, 290 00	2, 144 42	4, 424 42	30, 360. 51	10, 666 01	.....	.....	4, 488 19
92, 851. 29	7, 750 00	3, 187 00	10, 937 00	92, 958. 89	11, 627 77	.....	.....	5, 393 10
17, 572. 62	1, 660 00	692 00	2, 352 00	17, 615. 77	2, 434 64	.....	.....	1, 657 92
20, 099. 58	1, 560 00	753 02	2, 313 02	20, 795. 38	2, 720 99	.....	.....	2, 213 40
73, 019. 00	6, 115 00	4, 695 83	10, 810 83	101, 056. 37	54, 298 17	160. 00	\$4 00	9, 561 16
118, 174. 80	9, 836 00	4, 427 73	14, 263 73	118, 296. 66	17, 767 20	.....	.....	7, 234 38
46, 332. 23	4, 035 00	1, 640 83	5, 675 83	46, 413. 49	7, 430 34	.....	.....	2, 245 94
25, 314. 13	2, 970 00	3, 417 12	6, 387 12	26, 028. 02	9, 023 24	.....	.....	5, 079 71
1, 800. 00	130 00	105 00	235 00	10, 206. 41	14, 065 46	.....	.....	2, 361 60
632. 63	50 00	26 00	76 00	2, 238. 38	2, 261 35	.....	.....	1, 469 91
10, 090. 24	845 00	1, 631 58	2, 476 58	18, 049. 76	14, 380 75	1, 272. 00	32 00	2, 817 89
98, 617. 80	8, 135 00	5, 439 92	13, 567 92	138, 536. 37	77, 124 58	.....	.....	14, 036 06
93, 529. 66	6, 990 00	5, 081 96	12, 071 96	257, 529. 04	311, 135 83	5, 907. 97	144 00	22, 643 51
5, 553. 16	350 00	282 00	632 00	6, 877. 38	3, 905 11	.....	.....	3, 612 34
215, 259. 34	17, 445 00	13, 528 18	30, 973 18	243, 467. 25	90, 015 45	450. 00	12 00	23, 676 97
21, 769. 55	1, 690 00	1, 825 68	3, 515 68	31, 990. 04	20, 580 25	480. 00	12 00	7, 536 66
697, 465. 58	42, 260 00	23, 755 52	66, 015 52	645, 740. 16	109, 557 86	1, 599. 76	8 00	16, 989 99
22, 471. 47	1, 970 00	1, 750 08	3, 720 08	40, 869. 74	38, 524 03	160. 00	4 00	5, 531 53
562, 125. 29	43, 881 00	27, 984 03	71, 865 03	574, 758. 71	111, 300 57	1, 116. 57	36 00	22, 625 21
560. 00	50 00	48 00	98 00	762. 17	409 21	.....	.....	675 58
257, 884. 08	17, 140 00	8, 980 41	26, 120 41	285, 099. 50	74, 707 34	.....	.....	10, 495 46
43, 821. 89	3, 095 00	2, 458 50	5, 553 50	113, 707. 24	107, 854 98	640 00	16 00	9, 623 79
8, 426. 86	595 00	434 38	1, 029 38	13, 115. 88	6, 089 47	.....	.....	2, 543 23
9, 435. 44	110 00	84 00	194 00	10, 359. 57	2, 296 82	.....	.....	1, 427 04
2, 402, 892. 48	180, 962 00	114, 388 97	295, 350 97	2, 853, 799. 34	1, 101, 068 38	11, 822. 30	340 00	187, 794 71
thereon .....	.....	.....	.....	11, 822. 30	340 00	.....	.....	.....
				2, 865, 621. 64	1, 101, 408 38			

S. S. BURDETT.  
Commissioner.

No. 4.—*Summary for the fiscal year ending June 30, 1874, showing the number of acres and June 21, 1866, with aggregate of \$5 and \$10 homestead payments and homestead 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, 1874.		Amount paid in cash and bounty-land scrip, respectively, for the fiscal year ending June 30, 1874.	
	Acres.	Amount.	Cash.	Military scrip.
Ohio.....	171 11	\$375 69	\$375 69	.....
Indiana.....	332 85	416 07	416 07	.....
Illinois.....	326 99	394 46	394 46	.....
Missouri.....	8, 893 12	17, 008 00	16, 908 00	\$100 00
Alabama.....	187 08	2, 834 36	2, 834 36	.....
Mississippi.....	72 48	129 02	129 02	.....
Louisiana.....	403 65	769 40	769 40	.....
Michigan.....	132, 116 92	205, 025 46	203, 874 05	1, 151 41
Arkansas.....	344 19	6, 301 05	6, 301 05	.....
Florida.....	145 55	3, 597 55	3, 597 55	.....
Iowa.....	1, 846 69	9, 720 54	9, 720 54	.....
Montana.....	12, 380 05	21, 957 35	21, 957 35	.....
Arizona.....	6, 088 62	8, 765 35	8, 765 35	.....
Utah.....	13, 671 12	21, 612 02	23, 612 02	.....
Wisconsin.....	148, 075 49	246, 691 13	245, 383 13	1, 308 00
California.....	266, 127 55	507, 153 55	507, 053 55	100 00
Nevada.....	2, 618 38	7, 768 62	7, 768 62	.....
Minnesota.....	111, 830 76	190, 986 18	190, 986 18	.....
Oregon.....	19, 154 67	33, 629 08	33, 629 08	.....
Kansas.....	67, 383 31	140, 761 50	140, 761 50	.....
Washington.....	39, 120 98	72, 428 52	72, 428 52	.....
Nebraska.....	32, 935 11	68, 748 51	68, 748 51	.....
New Mexico.....	1, 647 89	2, 111 36	2, 111 36	.....
Dakota.....	55, 478 91	94, 516 06	94, 516 06	.....
Colorado.....	112, 526 52	168, 362 91	168, 362 91	.....
Idaho.....	6, 021 14	8, 212 27	8, 212 27	.....
Wyoming.....	1, 404 33	2, 903 32	2, 903 32	.....
Total.....	1, 041, 345 46	1, 865, 170 33	1, 862, 519 92	2, 659 41

To which add number of acres located with agricultural-college scrip and

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

disposed of for cash and bounty-land scrip, by entry under the homestead laws of May 20, 1862, commissions; also locations with agricultural-college and mechanic scrip, under act of

Quantity disposed 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, and number of acres, fees, and commissions, under timber-culture acts of March 3, 1873, and March 13, 1874.				Aggregate disposed of for cash, bounty-land scrip, and under homestead act of 1862, and acts amendatory; also timber culture acts of March 3, 1873, and March 13, 1874, including registers' and receivers' commissions on homesteads.		Quantity 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.
198.73	\$20 00	\$31 28	\$51 28	369.84	\$426 97			\$1,273 08
160.00	10 00	10 00	20 00	332.85	416 07			1,190 16
67,954.78	5,430 00	5,017 04	10,447 04	486.99	414 46			1,067 88
181,710.66	15,195 00	6,152 00	21,347 00	76,847.90	27,455 04	480.00	\$12 00	10,030 23
52,151.64	4,465 00	1,815 00	6,280 00	181,917.74	24,181 36			10,715 33
44,797.43	3,230 00	1,399 89	4,629 89	52,224.12	6,409 02			4,382 92
137,800.26	11,725 00	9,238 23	20,963 23	45,201.08	5,399 29			5,121 08
239,226.79	20,796 00	8,765 62	29,561 62	269,917.18	225,988 69	160.00	4 00	20,282 26
80,521.72	6,610 00	3,023 89	9,647 89	239,570.98	35,862 67			14,094 41
50,341.35	5,395 00	6,233 54	11,628 54	80,667.27	13,245 44			4,617 06
2,760.00	220 00	165 00	385 00	52,228.04	21,349 08	160.00	4 00	9,745 05
1,232.63	90 00	48 50	138 50	15,140.05	22,342 35	6,228.85	176 00	4,393 87
17,740.05	1,335 00	1,911 69	3,246 69	7,321.25	8,903 85			3,078 93
193,604.75	15,925 00	11,095 84	27,020 84	31,411.17	26,858 71	2,237.46	00 00	4,893 36
180,947.44	13,440 00	9,932 58	23,372 58	341,680.24	273,711 97			28,945 75
7,593.16	490 00	372 00	862 00	447,074.99	530,526 13	51,295.73	1,400 00	46,577 22
408,527.36	35,015 00	29,824 83	64,839 83	10,211.54	8,630 62			6,866 01
45,666.46	3,645 00	3,818 30	7,463 30	520,358.12	255,826 01	7,785.27	212 00	48,817 94
1,120,992.56	75,835 00	45,805 57	121,640 57	64,821.13	41,092 38	2,553.10	64 00	14,803 64
41,838.28	4,050 00	3,303 38	7,353 38	1,188,375.87	262,402 07	11,037.08	452 00	36,026 48
917,785.85	72,076 00	51,032 79	123,108 79	80,959.26	79,781 90	160.00	4 00	11,219 67
2,237.84	180 00	185 84	365 84	950,720.96	211,857 30	8,474.79	280 00	41,301 91
413,158.39	27,010 00	13,775 70	40,785 70	3,885.73	2,417 20			1,634 96
83,798.82	5,870 00	4,806 50	10,676 50	468,637.30	135,301 76	7,666.97	204 00	19,825 82
19,166.71	1,205 00	824 38	2,029 38	196,323.34	179,039 41	14,693.73	384 00	19,166 16
10,875.44	220 00	174 00	394 00	25,187.85	10,241 65			4,069 06
4,322,807.10	329,482 00	218,717 39	548,199 39	12,279.77	3,297 32			2,179 04
commissions thereon				5,364,152.56	2,413,378 72	112,932.98	3,256 00	376,318 28
				112,932.98	3,256 00			
				5,477,085.54	2,416,634 72			

S. S. BURDETT,  
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, up to and ending September 30, 1874.

States.	Fourth quarter of 1873.	First quarter of 1874.	Second quarter of 1874.	Third quarter of 1874.	Year ending June 30, 1874.	Total since date of grant.
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Ohio .....						54, 438. 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) .....	21, 228. 88				21, 228. 88	10, 796, 207. 76
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 .....	15, 047. 93	4, 849. 68	13, 978. 24		38, 151. 99	1, 645, 594. 46
Minnesota .....		275, 087. 35			275, 087. 35	1, 723, 408. 63
Total .....	36, 276. 81	279, 937. 03	13, 978. 24		334, 468. 22	62, 906, 924. 56

No. 6.—Statement exhibiting the quantity of lands approved to the several States under the acts of Congress approved March 2, 1849, September 28, 1850, and March 12, 1860, up to and ending September 30, 1874.

States.	Fourth quarter of 1873.	First quarter of 1874.	Second quarter of 1874.	Third quarter of 1874.	Year ending June 30, 1874.	Total since date of grant.
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Ohio .....						25, 640. 71
Indiana .....						1, 263, 876. 68
Illinois .....			160. 00		160. 00	1, 492, 031. 76
Missouri .....						4, 349, 374. 22
Alabama .....						400, 434. 78
Mississippi .....						3, 068, 642. 31
Louisiana, (act of 1849) .....		21, 388. 84	16, 165. 63		37, 554. 47	8, 242, 623. 01
Louisiana, (act of 1850) .....			86. 30		86. 30	239, 066. 76
Michigan .....	80. 00	760. 00		19, 023. 61	840. 00	5, 713, 370. 14
Arkansas .....			54. 24		54. 24	7, 574, 804. 54
Florida .....						10, 901, 241. 88
Wisconsin .....						3, 114, 455. 08
Iowa .....	509. 90	610. 32	1, 513. 70	40. 00	4, 413. 41	912, 008. 02
California .....	15, 047. 93	4, 849. 68	13, 978. 24	320. 00	38, 151. 99	1, 501, 602. 73
Minnesota .....	34, 265. 69	86, 561. 81			120, 827. 50	1, 153, 821. 99
Total .....	49, 903. 52	114, 170. 65	31, 958. 11	19, 383. 61	202, 187. 91	49, 952, 994. 66

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 the State of Louisiana under act approved March 2, 1849.

States.	Fourth quarter of 1873.	First quarter of 1874.	Second quarter of 1874.	Third quarter of 1874.	Year ending June 30, 1874.	Total since date of grant.
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Ohio						25,640.71
Indiana						*1,256,631.96
Illinois			632.93	160.00	632.93	†1,453,044.36
Missouri	2,520.00				2,520.00	‡3,180,261.20
Alabama						392,719.61
Mississippi						2,681,383.16
Louisiana, (act of 1849)		21,388.84	16,165.63		37,554.47	§ 2,242,623.01
Louisiana, (act of 1850)			15.08	71.22	15.08	¶ 216,610.02
Michigan			159.17		159.17	55,838,775.86
Arkansas				86,216.15		6,894,155.83
Florida						10,676,919.09
Wisconsin						‡3,046,116.05
Iowa	6,663.22	529.90			14,721.06	†† 1,164,123.67
California	3,557.70		13,987.57	35,829.37	17,545.27	‡‡ 1,246,004.26
Minnesota	55,859.33		18,665.28	120,507.50	92,189.11	§§ 1,063,698.50
<b>Total</b>	<b>68,600.25</b>	<b>21,918.74</b>	<b>49,625.66</b>	<b>242,784.24</b>	<b>165,337.09</b>	<b>47,378,727.29</b>

- \* 4,880.20 acres of this contained in indemnity patents under act of March 2, 1855.
- † 1,741.76 acres of this contained in indemnity patents under act of March 2, 1855.
- ‡ 6,595.22 acres of this contained in indemnity patents under act of March 2, 1855.
- § 18,223.93 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.
- †† 321,223.23 acres of this contained in indemnity patents under act of March 2, 1855.

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

No. 8.—Statement showing the condition of the State selections under the act of September 4, 1841, to June 30, 1874.

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, 1874.	Number of acres remaining to each State to be selected on the 1st day of July, 1874.
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	493,230.74	6,769.26
Michigan	500,000.00	498,638.54	1,361.46
Arkansas	500,000.00	499,880.03	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	413,056.61	86,943.39
Kansas	500,000.00	495,552.20	4,447.80
Minnesota	500,000.00	500,000.00	
Oregon	500,000.00	500,000.00	
Nevada	500,000.00	287,071.63	212,928.37
Nebraska	500,000.00	495,445.25	4,554.75
<b>Total</b>	<b>7,306,544.67</b>	<b>6,940,201.91</b>	<b>366,342.76</b>

\* 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.

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

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, 1874.

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 .....	88,656	12,904,960	78,821	12,611,360	1,835	293,600
40 acres .....	7,583	303,320	7,043	281,720	540	21,600
<b>Total .....</b>	<b>96,239</b>	<b>13,208,280</b>	<b>85,864</b>	<b>12,893,080</b>	<b>2,375</b>	<b>315,200</b>
<b>Act of 1850:</b>						
160 acres .....	27,438	4,396,080	26,703	4,272,480	735	117,600
80 acres .....	57,711	4,616,820	55,969	4,477,520	1,742	139,200
40 acres .....	103,971	4,152,840	100,150	4,006,000	3,821	152,800
<b>Total .....</b>	<b>189,120</b>	<b>13,165,800</b>	<b>182,822</b>	<b>12,756,000</b>	<b>6,298</b>	<b>409,600</b>
<b>Act of 1852:</b>						
160 acres .....	1,223	195,680	1,191	190,560	32	5,120
80 acres .....	1,692	135,840	1,658	132,640	40	3,200
40 acres .....	9,064	362,560	8,861	354,440	203	8,120
<b>Total .....</b>	<b>11,985</b>	<b>694,080</b>	<b>11,710</b>	<b>677,640</b>	<b>275</b>	<b>16,440</b>
<b>Act of 1855:</b>						
160 acres .....	113,620	18,179,200	106,417	17,026,720	7,203	1,132,400
120 acres .....	96,913	11,629,560	89,402	10,728,240	7,511	901,200
100 acres .....	6	600	5	500	1	100
80 acres .....	49,396	3,951,680	47,291	3,783,280	2,105	162,400
60 acres .....	359	21,540	300	18,000	59	3,540
40 acres .....	539	21,560	456	18,240	83	3,320
10 acres .....	5	50	3	30	2	20
<b>Total .....</b>	<b>260,838</b>	<b>33,804,190</b>	<b>243,874</b>	<b>31,575,010</b>	<b>16,964</b>	<b>1,229,120</b>
<b>SUMMARY.</b>						
Act of 1847 .....	96,239	13,208,280	85,864	12,893,080	2,375	315,200
Act of 1850 .....	189,120	13,165,800	182,822	12,756,000	6,298	409,600
Act of 1852 .....	11,985	694,080	11,710	677,640	275	16,440
Act of 1855 .....	260,838	33,804,190	243,874	31,575,010	16,964	1,229,120
<b>Total .....</b>	<b>550,182</b>	<b>60,873,350</b>	<b>524,270</b>	<b>57,901,730</b>	<b>25,912</b>	<b>1,970,600</b>

S. S. BURDETT, *Commissioner.*

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

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, July 23, 1866, and March 3, 1871.

Land districts.	Quantity selected in place for the fiscal year ending June 30, 1874.	Land districts.	Quantity selected in place for the fiscal year ending June 30, 1874.
<b>CALIFORNIA.</b>		<b>NEVADA.</b>	
San Francisco .....	Acres. 13,917.78	Carson City .....	Acres. 3,369.10
Stockton .....	420.23		
Sacramento .....	336.54	<b>OREGON.</b>	
Shasta .....	13,309.29	Roseburgh .....	555.77
Visalia .....	1,551.35	Le Grand .....	78,679.40
Humboldt .....	3,920.00		
Los Angeles .....	1,052.16		

RECAPITULATION.

California .....	34,507.35
Nevada .....	3,389.10
Oregon .....	79,235.17
Total quantity of acres selected.....	117,131.62

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

No. 11.—Statement exhibiting land concessions by acts of Congress to States for canal purposes from the year 1827 to June 30, 1874.

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	} .....do.....	266,535
Do.....	June 30, 1834	4	716		
Do.....	May 24, 1828	4	305	Miami and Dayton Canal .....	333,826
Do, (sec. 5).....	May 24, 1828	4	306	General canal purposes .....	500,000
Illinois.....	Mar. 2, 1827	4	234	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
Do.....	Mar. 7, 1874	(*)	.....	Time extended for completion of Green Bay and Sturgeon Bay and Lake Michigan ship-canal.	.....
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.....	July 3, 1866	14	80	Ship-canal to connect the waters of Lake Superior with the lake known as Lac La Belle.	100,000

\* Public laws.

RECAPITULATION.

Indiana .....	1,439,279
Ohio .....	1,100,361
Illinois .....	290,915
Wisconsin .....	325,431
Michigan .....	1,250,000
Total quantity of acres granted.....	4,405,926

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

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, 1874.

States.	Date of law.	Stat-utes.	Page.	Name of road.	Mile limits.	Estimated quantity embraced in the grant.	Estimated quantity which will come from the grant.	Number of acres certified or pat-tered for the year ending June 30, 1874.	Number of acres certified up to June 30, 1874.
Illinois	Sept. 20, 1850	9	465	Illinois Central.	6 and 15	2,595,053.00	2,595,053.00	2,595,053.00	2,595,053.00
Do.	Sept. 30, 1850	9	466	Mobile and Chicago	6 and 15	737,130.00	737,130.00	737,130.29	737,130.29
Mississippi	Sept. 30, 1850	9	466	Mobile and Ohio River	6 and 15	195,927.82	195,927.82	195,927.82	195,927.82
Do.	Aug. 11, 1856	11	30	Vicksburg and Meridian.	6 and 15	200,000.00	200,000.00	200,000.00	200,000.00
Do.	Aug. 11, 1856	11	30	Gulf and Ship Island	6 and 15	1632,800.00	1632,800.00	1632,800.00	1632,800.00
Alabama.	Sept. 30, 1850	9	466	Mobile and Ohio River	6 and 15	230,400.00	230,400.00	230,400.00	230,400.00
Do.	May 17, 1856	11	15	Alabama and Florida.	6 and 15	419,528.00	419,528.00	419,528.44	419,528.44
Do.	May 17, 1856	11	15	Alabama and Florida.	6 and 15	1419,520.00	1419,520.00	1419,520.00	1419,520.00
Do.	June 3, 1856	11	17	Selma, Rome and Dalton, formerly Alabama and Tennessee.	6 and 15	431,920.00	440,700.00	384,522.00	384,522.99
Do.	May 23, 1872	17	159	Act confirming lands heretofore certified to the State for the Alabama and Tennessee.	6 and 15	132,480.00	132,480.00	132,480.00	132,480.00
Do.	June 3, 1856	11	17	Cocoa and Tennessee	6 and 15	461,456.00	461,456.00	461,456.00	461,456.00
Do.	June 3, 1856	11	17	Mobile and Girard.	6 and 15	287,920.00	287,920.00	287,920.00	287,920.00
Do.	June 3, 1856	11	17	Alabama and Chattanooga, formerly the Northeastern and Southwestern and Willis Valley.	6 and 15	576,000.00	576,000.00	576,000.00	576,000.00
Do.	Apr. 10, 1869	16	45	Act to renew certain grants of land to the State of Alabama.	6 and 15	492,000.00	492,000.00	492,000.00	492,000.00
Do.	June 3, 1856	11	17	South and North Alabama, formerly the Tennessee and Alabama Central.	6 and 15	442,542.14	442,542.14	442,542.14	442,542.14
Florida	May 17, 1856	11	15	Florida Railroad	6 and 15	165,688.00	165,688.00	165,688.00	165,688.00
Do.	May 17, 1856	11	15	Florida and Alabama.	6 and 15	1,275,212.00	1,275,212.00	1,275,212.00	1,275,212.00
Do.	May 17, 1856	11	15	Pensacola and Georgia	6 and 15	1183,153.99	1183,153.99	1183,153.99	1183,153.99
Do.	May 17, 1856	11	15	Florida, Atlantic and Gulf Central	6 and 15	37,583.00	37,583.00	37,583.00	37,583.00
Do.	May 17, 1856	11	15	North Louisiana and Texas, formerly the Vicksburg and Shreveport.	6 and 15	610,880.00	610,880.00	610,880.00	610,880.00
Do.	June 3, 1856	11	18	New Orleans, Opelousas and Great Western	6 and 15	967,840.00	967,840.00	967,840.00	967,840.00
Do.	July 14, 1870	16	277	Act declaring forfeited to the United States all the lands not lawfully disposed of by the State.	6 and 15	1,115,406.00	1,115,406.00	1,115,406.41	1,115,406.41
Arkansas	Feb. 9, 1853	10	155	Cairo and Fulton.	Additional 5	1,040,000.00	1,040,000.00	88,006.70	191,371.33
Do.	July 29, 1866	14	338	do.	Additional 5	438,646.80	438,646.80	137,238.51	137,238.51
Do.	May 6, 1870	16	376	Resolution extending time for completion of first twenty miles of road.	Additional 5	365,530.00	365,530.00	10,000.00	6,709.19
Do.	Feb. 9, 1853	10	155	Memphis and Little Rock	6 and 15	137,238.51	137,238.51	137,238.51	137,238.51
Do.	July 29, 1866	14	338	do.	Additional 5	10,000.00	10,000.00	6,709.19	6,709.19

Do	Feb. 9, 1853	10	Little Rock and Fort Smith	6 and 15	550,525.34	550,525.00	550,520.18
Do	July 28, 1866	14	do	Additional 5	458,771.00	450,000.00	118,950.40
Do	Apr. 10, 1869	46	Act extending time for completion of first twenty miles of road				
Do	Mar. 5, 1870	76	Act repealing provision in act of April 10, 1869, as to mode of sales of land.				
Do	July 4, 1866	14	Iron Mountain	10 and 20	864,000.00	900,000.00	
Missouri	June 10, 1852	10	Hannibal and Saint Joseph	6 and 15	781,944.83	599,400.00	599,031.65
Do	June 9, 1853	10	Pacific and Southwest Branch	6 and 15	1,161,235.07	1,161,235.00	1,161,204.51
Do	Feb. 9, 1853	10	Calro and Fulton	6 and 15	219,292.31	63,540.00	63,540.11
Do	July 28, 1866	14	do	Additional 5	189,718.00	5,000.00	
Do	July 4, 1866	14	Saint Louis and Iron Mountain	10 and 20	640,000.00	190,000.00	
Do	May 15, 1856	11	Burlington and Missouri River	6 and 15	948,643.66	292,085.53	291,725.10
Do	Feb. 9, 1866	13	do	20		96,600.00	96,176.99
Do	Feb. 10, 1866	14	Resolution extending time for completion of road				
Do	May 15, 1856	11	Chicago, Rock Island, and Pacific, formerly Mississippi and Missouri.	6 and 15	1,261,181.60	482,500.00	482,254.36
Do	June 2, 1864	13	do				
Do	Jan. 31, 1873	17	Act to quiet the title to certain lands in the State of Iowa	20		160,991.23	161,034.68
Do	May 15, 1856	11	Cedar Rapids and Missouri River	6 and 15	1,298,739.00	800,000.00	778,909.17
Do	June 9, 1864	13	do	20		256,988.00	342,866.69
Do	May 15, 1856	11	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
Do	June 2, 1864	13	Authorizes the Dubuque and Sioux City Railroad to change their line of road.				
Do	Mar. 2, 1868	15	Act extending time for completion of road to January 1, 1872.				
Do	May 12, 1864	13	McGregor and Missouri River	10 and 20	1,536,000.00	400,000.00	137,573.97
Do	May 12, 1864	13	Sioux City and Saint Paul	10 and 20	324,600.00	400,000.00	396,526.50
Michigan	June 3, 1856	11	Detroit and Milwaukee	6 and 15	353,420.19	30,998.75	36,998.75
Do	June 3, 1856	11	Port Huron and Milwaukee	6 and 15	312,364.32	6,423.00	6,423.66
Do	June 3, 1856	11	Jackson, Lansing and Saginaw	6 and 15	1,052,469.19	750,000.00	742,940.56
Do	July 3, 1866	14	Act extending time for completion of road seven years, &c.				
Do	Mar. 2, 1867	14	Act extending time for completion of first twenty miles of road.				
Do	Mar. 3, 1871	16	Act authorizing change of northern terminus from Traverse Bay to Straits of Mackinaw, and for other purposes.	6 and 15	586,622.73	513,000.00	512,520.38
Do	June 30, 1856	11	Flint and Pere Marquette				
Do	Feb. 17, 1865	13	Resolution extending time for completion of road				
Do	July 3, 1866	14	Act authorizing the company to change its western terminus of road.				
Do	Mar. 3, 1871	16	Act extending time for completion of road five years.				

\* 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 lapsed.

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 for the year ending June 30, 1874.	Number of acres certified or patented up to June 30, 1874.
Do.	June 3, 1856	11	91	Grand Rapids and Indiana.	6 and 15	629, 182.62	629, 183.00	629, 182.32	
Do.	June 7, 1864	13	119	Grand Rapids and Indiana, from Fort Wayne, Ind., to Grand Rapids.	6 and 20	531, 200.00	213, 000.00	213, 363.40	
Do.	Mar. 3, 1865	13	530	Act extending time for completion of road eight years					
Do.	June 3, 1856	11	21	Marquette, Houghton, and Ontonagon.	6 and 15	552, 515.24	552, 515.00	432, 707.47	
Do.	Mar. 3, 1865	13	521	do.	30				
Do.	May 20, 1868	15	232	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 resurvey 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. (Res)	July 5, 1862	12	620	Chicago and Northwestern.	6 and 15	564, 480.00	520, 000.00	404, 656.03	
Do.	Mar. 3, 1865	13	521	do.	30				
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 Tomah and Saint Croix Railroads.	6 and 15	999, 983.38	800, 000.00	796, 672.51	
Do.	May 5, 1864	13	66	West Wisconsin.	10 and 30				
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	1594, 714.95	724, 718.00	524, 718.15	
Do.	May 5, 1864	13	66	do.	10 and 30	1318, 737.74	468, 740.00	318, 740.80	
Do.	June 3, 1856	11	20	Chicago and Northwestern.	6 and 15	600, 000.00	600, 000.00	522, 144.51	
Do.	May 5, 1864	13	66	Resolution authorizing change of route in Wisconsin and selection of lands.	10 and 30				
Do.	Apr. 25, 1862	12	618	Act extending time for completion of road five years.	6 and 15				
Do.	Mar. 3, 1865	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.	10 and 20	1, 800, 000.00	750, 000.00	364, 557.61	
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.					
Do.	June 21, 1866	14	360	An act to extend the time for completion of road to December 31, 1876.					
Do.	Apr. 9, 1874	(*)	.....						

THE GENERAL LAND OFFICE.

State	Date	Section	Description	Term	Value	Area	Value	Area
Minnesota	Mar. 3, 1857	11	Saint Paul and Pacific.	6 and 15	1,248,639.95	12,584.77	1,217,857.31	
	Do	12	do	10 and 20				
	Mar. 3, 1865	12	Act extending time for completion of road nine months					
	Mar. 3, 1873	11	Branch Saint Paul and Pacific.	6 and 15	940,000.00		592,925.98	
	Do	17	do	10 and 20				
	Mar. 3, 1867	11	Resolution authorizing the State to change the branch line under certain considerations.					
	Mar. 3, 1863	13	do					
	Do	12	do					
	July 12, 1862	12	do					
	Do	16	do					
	Mar. 3, 1871	16	Saint Vincent extension of Saint Paul and Pacific; south terminus changed from Crow Wing to Saint Cloud.	10 and 20	2,000,000.00	718,947.70	750,867.70	
	Do	17	do					
	Mar. 3, 1873	17	Act extending time for completion of road nine months					
	Do	17	do					
	June 22, 1874	(*)	3, 1876, &c.					
	Do	11	Minnesota Central, formerly Minneapolis and Cedar Valley.	6 and 15	643,403.00	1,059.09	178,978.88	
Do	13	do	10 and 20					
Mar. 3, 1865	13	Winona and Saint Peter, formerly Transit Railroad.	6 and 15	1,410,000.00	320,585.54	1,164,327.53		
Do	13	do	10 and 20					
Mar. 3, 1865	13	Act allowing selections within twenty miles of road in lieu of lands sold after definite location, but prior to withdrawal, &c.						
Do	14	do						
Do	14	do						
Jan. 13, 1873	17	Act extending the time for completion of road.	6 and 15	1,010,000.00	74,366.80	910,786.71		
Do	11	Saint Paul and Sioux City.	10 and 20					
Mar. 3, 1857	11	do						
Do	13	do						
May 12, 1864	13	do						
Do	14	do						
July 13, 1866	14	do						
Do	13	Act extending the time for completion of road seven years.						
May 5, 1864	13	Lake Superior and Mississippi.	10 and 20	920,000.00	63,211.43	586,600.04		
Do	14	do						
July 13, 1866	14	do						
Do	13	Act authorizing the Lake Superior and Mississippi Railroad Company to make up deficiency of land within thirty miles of west-line of road.						
Do	14	do						
July 4, 1866	14	Southern Minnesota.	10 and 20	735,000.00	1,700.76	249,682.67		
Do	14	do	10 and 20	550,000.00	153,489.45	153,489.45		
Do	12	Hastings and Dakota.						
Mar. 3, 1863	12	Leavenworth, Lawrence and Galveston.						
Do	13	Act authorizing change of route of branch line.						
Do	13	do						
Do	17	do						
Apr. 19, 1871	17	do						
Do	5	Act authorizing the company to relocate a portion of its road.	10 and 20	800,000.00	10,766.61	255,967.83		
Do	12	do						
Mar. 3, 1863	12	Missouri, Kansas and Texas.	10 and 20	1,520,000.00	243,527.81	878,073.64		
Do	13	do						
Do	13	do						
July 26, 1866	14	Act extending grant from Fort Emporia to a point near Fort Riley.						
Do	14	do						
Do	12	Act making grant from Fort Riley to the southern boundary of the State.	10 and 20	3,000,000.00	15,337.14	2,471,730.70		
Do	12	do	10 and 20	1,700,000.00		172,092.92		
Mar. 3, 1863	12	Atchison, Topeka and Santa Fe.						
Do	14	do						
July 23, 1866	14	Saint Joseph and Denver City.						

\* Printed laws.

(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 for the year ending June 30, 1874.	Number of acres certified up to June 30, 1874.
Kansas Corporations.....	July 25, 1866	14	236	Missouri River, Fort Scott and Gulf Union Pacific from Omaha, Nebr., to a point near Ogden in Utah Territory.	10 and 20	2,350,000 00	17,000 00	13,849 52	
Do.....	July 1, 1862	12	489	Union Pacific.	10	12,000,000 00	12,000,000 00	50,733 29	705,152 40
Do.....	July 3, 1864	13	365	Act authorizing location of Union Pacific Railroad from Omaha westward.	20				
Do.....	July 26, 1866	14	367	Resolution granting right of way through military reserve, &c.					
Do.....	Apr. 10, 1869	16	56	Resolution for the protection of the interests of the United States in the Union Pacific and Central Pacific Railroads, and providing that the common terminus of the road shall be at or near Ogden, Utah Territory, &c.					
Do.....	May 6, 1870	16	121	Act fixing the point of junction of the Union Pacific and Central Pacific Railroads, &c.	10	245,166 00	245,166 00	2,560 03	186,453 28
Do.....	July 1, 1862	12	480	Kansas Pacific, formerly Union Pacific Railroad, Eastern Division.	20				
Do.....	July 2, 1864	13	356		10	6,000,000 00	6,000,000 00	387,001 82	413,001 71
Do.....	July 1, 1862	12	489	Act requiring the company to designate general route before December 1, 1866.	20				
Do.....	July 2, 1864	13	355	Resolution extending time for completion of road.					
Do.....	July 3, 1866	14	355	Act extending the Union Pacific Railway, Eastern Division, line of road to Denver City, and authorizing a transfer of lands by said company to the Denver Pacific Railroad Company between Denver and Cheyenne.					
Do.....	Mar. 3, 1869	15	324	Resolution authorizing the Union Pacific Railway Company, Eastern Division, to change its name to Kansas Pacific.					
Do.....	Mar. 3, 1869	15	348	Resolution authorizing the Union Pacific Railway Company, Eastern Division, to change its name to Denver Pacific.	20	1,100,000 00	1,100,000 00		
Do.....	Mar. 3, 1869	15	324						

Do	July 1, 1862	12	Central Pacific.....	10	8,000,000 00	8,000,000 00	304,365 78
Do	July 2, 1864	13	do	20			
Do	July 1, 1862	12	Central Pacific, successor by consolidation with Western Pacific.....	10	1,100,000 00	1,100,000 00	367,574 78
Do	Mar. 3, 1865	13	Act ratifying the assignment made by the Central Pacific Railroad Company to the Western Railroad Company of that portion from San José to the city of Sacramento.....	50		23,460 37	
Do	July 13, 1866	14	Act authorizing location of road eastward.....				
Do	May 21, 1866	14	Resolution extending the time for completion of first section of twenty miles of Western Pacific Railroad upon certain conditions.....				
Do	May 6, 1870	16	Act fixing the point of junction of the Central Pacific and Union Pacific Railroads, &c.....	20 sections per mile.	2,441,600 00	2,441,600 00	3,370,653 16
Do	July 2, 1864	13	Burlington and Missouri River.....				
Do	May 6, 1870	16	Act authorizing change of route and connection with the Union Pacific Railroad at or near Fort Kearney.....				
Do	July 2, 1864	13	St. Louis, City and Pacific.....	10	60,000 00	45,000 00	40,196 64
Do	July 2, 1864	13	Northern Pacific.....	States, 20, 30, and 40 Territories, 40, 50, and 60.	47,000,000 00	47,000,000 00	630,717 85
Do	May 7, 1866	14	Resolution extending time for commencing and completing road.....				
Do	July 1, 1868	15	Resolution extending time for commencing and completing road.....				
Do	Mar. 1, 1869	15	Resolution authorizing issue of bonds, &c.....				
Do	Apr. 10, 1869	16	Resolution authorizing the company to extend its branch line from Portland to Puget Sound, &c.....				
Do	May 31, 1870	16	Resolution authorizing the issue of mortgage bonds, reversing locations of main and branch lines in Washington Territory, extending indemnity limits, &c.....				
Do	July 15, 1870	16	Act requiring the Northern Pacific Railroad Company to pay the cost of surveys, &c.....				
Do	July 13, 1866	14	Placerville and Sacramento Valley.....	10 and 20	200,000 00	110,000 00	
Do	Apr. 15, 1874	(*)	Act declaring the grant forfeited to the United States.....				
Do	July 25, 1866	15	Oregon Branch of the Central Pacific.....				
Do	June 25, 1868	15	Act extending time for completion of road.....				
Do	Apr. 10, 1869	16	Act amendatory of the original act and providing for the sale of the lands to actual settlers at a fixed price and limited quantity.....	20 and 30	3,000,000 00	3,000,000 00	159,956 47
Do	July 25, 1866	14	Oregon and California.....				
Do	June 25, 1868	15	Act extending time for completion of road.....				
Do	Apr. 10, 1869	16	Act amendatory of the original act and providing for the sale of the lands to actual settlers at a fixed price and limited quantity.....	20 and 30	3,500,000 00	3,500,000 00	221,896 30
Do	July 27, 1866	14	Atlantic and Pacific.....	States, 20 and 30; Territories, 40 and 50.	42,000,000 00	40,000,000 00	500,091 33
Do	Apr. 20, 1871	17	Act authorizing the company to mortgage its road.....			949 13	
Do	July 27, 1866	14	Southern Pacific.....	20 and 30	6,000,000 00	3,750,000 00	5,966 33

\*Printed laws.

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 for the year ending June 30, 1874.	Number of acres certified or patented up to June 30, 1874.
Corporations.....	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	2,000,000 00	.....	.....
Do.....	Mar. 2, 1867	14	548	Stockton and Copperopolis.....	10 and 20	320,000 00	100,000 00	.....	.....
Do.....	June 15, 1874	(*)	.....	Act declaring the grant forfeited to the United States.....	20 and 25	1,200,000 00	300,000 00	.....	.....
Do.....	May 4, 1870	16	94	Oregon Central.....	California, 20	18,000,000 00	17,000,000 00	.....	.....
Do.....	Mar. 3, 1871	16	573	Texas Pacific.....	and 30; Territories, 40, 50.	.....	.....	.....	.....
Do.....	June 22, 1874	(*)	.....	An act supplementary to the act of March 3, 1871.....	20 and 30	3,800,000 00	1,600,000 00	.....	.....
Do.....	Mar. 3, 1871	16	579	New Orleans, Baton Rouge, and Vicksburgh.....	20 and 30	3,800,000 00	1,600,000 00	.....	.....
Wisconsin.....	Mar. 3, 1863	12	797	WAGON ROADS. From Fort Wilkins, Copper Harbor, Mich., to Fort Howard, Green Bay, Wis.	3 and 15	302,930 36	302,930 36	.....	302,930 36
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, Mich., to Fort Howard, Green Bay, Wis.	3 and 15	221,013 27	221,013 00	57,921 11	221,013 35
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.	.....	.....	.....	.....	.....
Do.....	July 2, 1864	13	355	Oregon Central Military Road.....	3	720,000 00	720,000 00	.....	361,327 43
Do.....	Dec. 26, 1866	14	374	Act making provision for incidental limits of six miles.	6	76,800 00	76,800 00	.....	57,506 89
Do.....	Mar. 3, 1869	15	328	Act extending time for completion of road to July 2, 1872.	3	460,000 00	460,000 00	.....	107,942 28
Do.....	July 4, 1866	14	86	California and Aquinas Bay.....	3 alternate sections to be selected within six miles.	.....	.....	.....	.....
Do.....	July 4, 1866	14	86	Willamette Valley and Cascade Mountain.....	3 alternate sections to be selected within six miles.	.....	.....	.....	.....
Do.....	July 3, 1866	14	89	.....	3 and 10	556,800 00	556,800 00	.....	126,910 23
Do.....	Feb. 27, 1867	14	409	Dalles Military Road.....	3 and 6	73,000 00	50,000 00	.....	29,489 92
Do.....	Mar. 3, 1869	15	340	Coos Bay Military Road.....	3 and 6	.....	.....	.....	.....

\* Printed laws.

No. 12.—Statement exhibiting land concessions, &c.—Continued.

RECAPITULATION.

States.	Estimated quantity embraced in the limits of the grant.	Estimated quantity which company 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 .....	2,062,240.00	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 .....	1,578,720.00	2,650,411.70	1,072,405.45
Arkansas .....	4,878,149.14	2,753,171.00	2,198,804.72
Missouri .....	2,985,160.21	1,949,175.00	1,823,776.27
Iowa .....	6,795,527.31	4,215,328.65	3,913,561.84
Michigan .....	4,712,480.25	3,343,125.75	3,210,727.37
Wisconsin .....	4,808,436.07	3,343,458.00	2,560,541.70
Minnesota .....	9,892,041.85	7,776,638.95	5,711,700.45
Kansas .....	3,370,000.00	4,947,000.00	3,791,714.61
Corporations: Pacific railroads .....	55,717,041.97 159,486,766.00	37,189,094.05 150,281,766.00	32,164,016.10 5,906,046.12
Wagon-roads: Wisconsin .....	215,203,807.97	187,470,860.05	38,076,290.40
Michigan .....	302,930.36	302,930.36	302,930.36
Oregon .....	221,013.27	221,013.00	221,013.35
	1,888,600.00	1,863,600.00	683,169.75
Deduct for lands reverted and lapsed, and for lands declared forfeited by Congress .....	217,616,351.60	189,858,403.41	39,277,175.68
	6,859,544.55	4,450,385.75	4,007,590.73
Total .....	210,756,807.05	185,408,017.66	35,269,684.95

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

Rights of way granted to railroad companies in certain States and Territories.

States and Territories.	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 .....	do .....	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.
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.
California .....	June 20, 1874	Printed laws		Act granting right of way to the Nevada County Narrow-Gauge Railroad for 50 feet in width on each side of road, &c.
Arkansas .....	June 23, 1874	Printed laws		Act granting right of way for 100 feet in width on each side of the Arkansas Valley Railway.
Oregon, and Utah Territory.	Apr. 12, 1872	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.
	Supplement 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.	do .....	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.

*Rights of way granted to railroad companies in certain States and Territories—Continued.*

States and Territories.	Date of laws.	Statutes.	Page.	Name of railroad.
Colorado Territory . . . .	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 Territory. . . . .do . . . . .	do . . . . .	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.
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, 1876, 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, 1875.
<b>SALARIES.</b>			
Commissioner General Land-Office, act of July 4, 1836, (Stat. L., vol. 5, pp. 107, 111, sec's 1 and 10.)	\$3,000 00		
Chief clerk, act of March 3, 1853, (Stat. L., vol. 10, p. 211, sec. 3) . . .	2,000 00		
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 00		
Three principal clerks, of public lands, of private land-claims, and of surveys, at \$1,800 each, act of July 4, 1836, (Stat. L., vol. 5, pp. 109, 111, sec's 2 and 3.)	5,400 00		
Three clerks of class 4, act of March 3, 1853, (Stat. L., vol. 10, p. 211, sec. 3.)	5,400 00		
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 00		
Forty clerks of class 2. (Same acts) . . . . .	56,000 00		
Forty clerks of class 1. (Same acts) . . . . .	48,000 00		
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 00		
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 March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1.)	3,840 00		
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 00		
Seven laborers, at \$720 each, act of March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1;) act of March 3, 1873, (Stat. L., vol. 17, p. 503, sec. 1.)	5,040 00	\$171,920 00	\$171,920 00
<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 00		
One clerk of class 3. (Same act) . . . . .	1,600 00		
Four clerks of class 2. (Same act) . . . . .	5,600 00		
Thirty-five clerks of class 1. (Same act) . . . . .	42,000 00		
Two laborers, at \$720 each, act of March 3, 1869, (Stat. L., vol. 15, p. 287, sec. 1;) act of March 3, 1873, (Stat. L., vol. 17, p. 503, sec. 1.)	1,440 00	52,640 00	52,640 00
<p><i>Provided</i>, That the Secretary of the Interior, at his discretion, shall be, and he is hereby, authorized to use any portion of said appropriation for piece-work, or by the day, month, or year, at such rate or rates as he may deem just and fair, not exceeding a salary of \$1,200 per annum.</p>			

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

No. 14.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1876, 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, 1875.
<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, act of May 8, 1872, (Stat. L., vol. 17, p. 75, sec. 1;) March 3, 1873, (Stat. L., vol. 17, p. 503, sec. 1.)	.....	\$30,000 00	\$30,000 00
<b>FOR PRINTING, BINDING, ETC.</b>			
Land-Office Reports, with accompanying map, circulars, patents, tract-books, indices, records, field-notes, abstracts, and other miscellaneous printing and binding required for the use of the office, act of May 8, 1872, (Stat. L., vol. 17, p. 82, sec. 2.)	.....	30,000 00	30,000 00
<b>COLLECTING REVENUE FROM SALES OF PUBLIC LANDS.</b>			
Salaries and commissions of registers and receivers. (See detailed statement herewith.)	\$525,700 00		
Incidental expenses of the several land-offices .....	57,940 00		
Expense of depositing public money. (See note.) .....	15,000 00	598,640 00	557,040 00
NOTE.—The estimate under this head is for a larger amount than that appropriated for the fiscal year ending June 30, 1875, owing to the opening of six additional land-offices.			
For the protection of timber on the public lands. (Stat. L., vol. 17, p. 359, sec. 1;) (Stat. L., vol. 17, p. 517, sec. 1.)	.....	8,000 00	5,000 00
<b>FOR OFFICIAL POSTAGE-STAMPS.</b>			
For the purchase of official postage-stamps for use during the fiscal year ending June 30, 1876, act of January 31, 1873, (Stat. L., vol. 17, p. 421, sec. 1;) act of March 3, 1873, (Stat. L., vol. 17, p. 542, sec. 4;) act of June 20, 1874, (Stat. L., —, sec. 1.)	.....	41,000 00	41,000 00

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

No. 14.—*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, 1876.*

States and Territories.	Land-offices.	Salaries and commissions.	Incidental expenses.	Total.
Ohio .....	Chillicothe .....	\$2,000	\$550	\$2,550
Indiana .....	Indianapolis .....	1,500	300	1,800
Illinois .....	Springfield .....	1,200	600	1,800
Missouri .....	Boonville .....	6,000	750	19,950
	Ironton .....	6,000	600	
	Springfield .....	6,000	600	
Alabama .....	Mobile .....	5,000	500	19,100
	Huntsville .....	6,000	600	
	Montgomery .....	6,000	1,000	
Mississippi .....	Jackson .....	6,000	600	6,600
Louisiana .....	New Orleans .....	6,000	600	16,800
	Natchitoches .....	4,000	600	
	Monroe .....	5,000	600	

Detailed estimate of amount for salaries and commissions of registers, &c.—Continued.

States and Territories.	Land-office.	Salaries and commissions.	Incidental expenses.	Total.
Michigan	Detroit	\$5,000	\$800	31,200
	East Saginaw	6,000	600	
	Ionia	5,000	600	
	Marquette	6,000	600	
Arkansas	Traverse City	6,000	600	26,840
	Dardanelle	6,000	600	
	Little Rock	6,000	900	
	Camden	6,000	740	
	Harrison	6,000	600	
Florida	Gainesville	6,000	600	6,600
Iowa	Fort Des Moines	6,000	600	13,200
	Sioux City	6,000	600	
Nebraska	Norfolk	4,000	400	41,800
	Beatrice	6,000	600	
	Lincoln	6,000	600	
	Dakota City	4,000	400	
	Grand Island	6,000	600	
	Lowell	6,000	600	
	North Platte	6,000	600	
Colorado Territory	Pueblo	6,000	600	29,700
	Denver City	6,000	600	
	Fair Play	5,000	500	
	Del Norte	6,000	600	
	Central City	4,000	400	
Utah Territory	Salt Lake City	6,000	600	6,600
Wyoming Territory	Cheyenne	4,000	400	4,400
Wisconsin	Menasha	6,000	600	39,600
	Falls Saint Croix	6,000	600	
	Wausau	6,000	600	
	La Crosse	6,000	600	
	Bayfield	6,000	600	
	Eau Claire	6,000	900	
	San Francisco	6,000	900	
California	Marysville	6,000	900	68,100
	Humboldt	6,000	900	
	Stockton	6,000	900	
	Visalia	6,000	600	
	Sacramento	6,000	900	
	Shasta	6,000	900	
	Los Angeles	6,000	600	
	Susanville	6,000	600	
	Independence	6,000	600	
	Carson City	5,000	500	
Nevada	Eureka	5,000	500	30,900
	Pioche	3,000	300	
	Elko	6,000	600	
Washington Territory	Olympia	6,000	600	19,800
	Vancouver	6,000	600	
	Walla Walla	6,000	600	
Minnesota	Taylor's Falls	6,000	600	59,400
	Saint Cloud	6,000	600	
	Duluth	6,000	600	
	Alexandria	6,000	600	
	Jackson	6,000	600	
	New Ulm	6,000	600	
	Litchfield	6,000	600	
Oregon	Redwood Falls	6,000	600	26,400
	Detroit	6,000	600	
	Oregon City	6,000	600	
	Roseburg	6,000	600	
	Le Grande	6,000	600	
Kansas	Linkville	6,000	600	53,100
	Topeka	6,000	900	
	Salina	6,000	600	
	Independence	6,000	600	
	Wichita	6,000	600	
	Concordia	6,000	600	
	Cawker City	6,000	600	
New Mexico Territory	Larned	6,000	600	11,000
	Hays City	6,000	600	
	Santa Fé	4,000	400	
Dakota Territory	La Mesilla	6,000	600	30,800
	Sioux Falls	6,000	600	
	Springfield	4,000	400	
	Fargo	6,000	600	
	Yankton	6,000	600	
	Bismarck	6,000	600	

Detailed estimate of amount for salaries and commissions of registers, &c.—Continued.

States and Territories.	Land-offices.	Salaries and commissions.	Incidental expenses.	Total.
Idaho Territory .....	Boise City .....	\$3,000	\$300	\$5,500
	Lewiston .....	2,000	200	
Montana Territory .....	Helena .....	5,000	500	12,100
	Bozeman .....	6,000	600	
Arizona Territory .....	Prescott .....	3,000	400	8,000
	Florence .....	4,000	600	
<b>Total</b> .....		525,700	57,940	583,640

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

S. S. BURDETT,  
Commissioner.

No. 15.—Estimates of appropriations required for the service of the fiscal year ending June 30, 1876, by the Department of the Interior.

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, 1875.
<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		
Clerks in his office, per act May 9, 1836, (5 Stat., p. 26, sec. 1) ....	7,400	\$9,400	\$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.)	2,500	2,500	1,800
<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	4,500
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. 463, sec. 10.) and March 3, 1857, (11 Stat., p. 212, sec. 1.)	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.)	8,700	10,700	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.)	1,750	1,750	2,200
<i>Office of surveyor-general of Dakota.§</i>			
Salaries:			
Surveyor-general, per act March 2, 1861, (12 Stat., p. 244, sec. 17) ..	2,000		
Clerks in his office, per act March 2, 1861, (12 Stat., p. 244, sec. 17)	8,600	10,600	8,300



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, 1875.
<b>Contingent expenses:</b>			
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per act March 2, 1861, (12 Stat., p. 244, sec. 17.)	\$2, 400	\$2, 400	\$2, 400
<i>Office of surveyor-general of Kansas.   </i>			
<b>Salaries:</b>			
Surveyor-general, per act July 22, 1854, (10 Stat., p. 309, sec. 10)...	2, 000		
Clerks in his office, per act July 22, 1854, (10 Stat., p. 309, sec. 10).	6, 300	8, 300	11, 700
<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.)	2, 000	2, 000	2, 000
<i>Office of surveyor-general of Colorado. ¶</i>			
<b>Salaries:</b>			
Surveyor-general, per act February 28, 1861, (12 Stat., p. 176, sec. 17.)	3, 000		
Clerks in his office, per act February 28, 1861, (12 Stat., p. 176, sec. 17.)	7, 500	10, 500	3, 900
<b>Contingent expenses:</b>			
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
<i>Office of surveyor-general of New Mexico. **</i>			
<b>Salaries:</b>			
Surveyor-general, per act July 22, 1854, (10 Stat., p. 308, sec. 1)...	3, 000		
Clerks in his office, per act July 22, 1854, (10 Stat., p. 308, sec. 1)...	7, 600	10, 600	9, 300
<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. 308, sec. 1.)	4, 500	4, 500	2, 500
<i>Office of surveyor-general of California. ††</i>			
<b>Salaries:</b>			
Surveyor-general, per act May 30, 1863, (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		
Clerks in his office, per act June 29, 1866, (14 Stat., p. 77, sec. 1)...	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
<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		
Clerks in his office, per act July 4, 1866, (14 Stat., p. 86, sec. 4)....	7, 800	10, 800	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, 000	4, 000	4, 000
<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		
Clerks in his office, per act September 27, 1850, (9 Stat., p. 490, sec. 2.)	6, 400	8, 900	7, 900

No. 15.—*Estimates of appropriations required, &c.*—Continued.

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, 1873.
<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.)	\$3, 000	\$3, 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.)	2, 500		
Clerks in his office, per act March 3, 1853, (10 Stat., p. 674, sec. 96.)	8, 600	11, 100	7, 900
<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
<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.)	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.)	7, 500	9, 500	8, 300
<b>Contingent expenses :</b>			
Rent of office for surveyor-general, fuel, books, stationery, and other incidental expenses, per acts June 12, 1832, (5 Stat., p. 243.) and March 2, 1867, (14 Stat., p. 448, sec. 1.)	3, 000	3, 000	3, 000
<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		
Clerks in his office, per act March 2, 1867, (14 Stat., p. 542, sec. 1.)	7, 800	10, 800	8, 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	3, 000	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		
Clerks in his office, per act February 5, 1870, (16 Stat., p. 65, sec. 2.)	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
<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		
Clerks in his office, per act July 11, 1870, (16 Stat., p. 230, sec. 1.)	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 July 11, 1870, (16 Stat., p. 30, sec. 1.)	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, 1805, (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 at this time, 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, largely in arrears, 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 \$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 \$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. \$2,000 of the \$4,500 is for a fire-proof safe and new furniture.

†† The organic act of this surveying district provides \$11,000 per annum for clerk-hire, and for incidental 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, there being extensive arrears in the office-work.

¶¶ 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. 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 having proved inadequate, the present estimates are submitted as absolutely required for the service. For binding field-notes and plats a large sum will be required of the estimate for contingent expenses.

‡‡‡ 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.

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

No. 16.—*Estimates of appropriations required for the service of the fiscal year ending June 30, 1876, by the Department of the Interior.*

Detailed objects of expenditure, and explanations.—Surveying the public lands.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1875.
In Louisiana:		
1. At rates not exceeding \$12 per linear 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, Statutes at Large, vol. 17, p. 515, sec. 1.)	\$19, 000	\$15, 000
In Florida:		
2. At rates not exceeding \$12 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 515, sec. 1.)	10, 000	10, 000
In Minnesota:		
3. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 515, sec. 1.)	50, 000	30, 000

No. 16.—*Estimates of appropriations required for the service, &c.*—Continued.

Detailed objects of expenditure, and explanations.—Surveying the public lands.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the current fiscal year ending June 30, 1875.
In Dakota:		
4. At rates not exceeding \$12 per linear mile for standard, \$9 for township, and \$8 for section lines, (appropriated, Statutes at Large, vol. 17, p. 515, sec. 1.)	\$20,000	\$50,000
In Montana:		
5. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 515, sec. 1.)	60,000	40,000
In Nebraska:		
6. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	60,000	60,000
In Colorado:		
7. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	80,000	50,000
In Idaho:		
8. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	40,000	30,000
In New Mexico:		
9. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	50,000	30,000
In California:		
10. At rates not exceeding \$15 per linear mile for standard, \$14 for township, and \$12 for section lines; and for heavily-timbered mountain-lands at augmented rates, not exceeding \$18 per linear mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	70,000	90,000
In Oregon:		
11. At rates not exceeding \$15 per linear 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 linear mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	70,000	60,000
In Washington:		
12. At rates not exceeding \$15 per linear 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 linear mile for standard, \$16 for township, and \$14 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	70,000	40,000
In Utah:		
13. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	30,000	20,000
In Nevada:		
14. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	60,000	40,000
In Wyoming:		
15. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	60,000	40,000
In Arizona:		
16. At rates not exceeding \$15 per linear mile for standard, \$12 for township, and \$10 for section lines, (appropriated, Statutes at Large, vol. 17, p. 516, sec. 1.)	30,000	20,000
17. 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 Statutes, p. 247, sec. 10; act of March 3, 1873.)	15,000	10,000
(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 Navajo Indian reservation, established on that parallel, and the 37th meridian of west longitude from Washington Observatory, at a rate not exceeding \$70 per linear 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 linear 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 linear mile, (submitted.)	10,000	.....
(e) For surveying confirmed private land-claims in New Mexico, at the rate not exceeding \$15 per linear mile, (submitted.)	10,000	.....
Total.....	952,870	.....

## EXPLANATION OF THE FOREGOING ESTIMATES.

1. \$19,000 is estimated for the survey of public lands in the southwestern, southeastern, and northwestern 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.
  2. \$10,000 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.)
  3. \$50,000 is estimated for surveys of guide meridians, standard parallels, township and section lines required by actual settlers and miners in the northwest of Lake Superior, and also for pine lands.
  4. \$80,000 is estimated for the extension of the lines 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 valley of the Red River of the North and Missouri River.
  5. \$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 subdivisive survey.
  6. \$60,000 is estimated for the extension of standard, township, and section lines to meet the wants of settlers.
  7. \$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.
  8. \$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.
  9. \$50,000 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.
  10. \$70,000 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 surveyed.
  11. \$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.
  12. \$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.
  13. \$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.
  14. \$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, recently surveyed.
  15. \$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 subdivisive lines of agricultural, grazing, coal, and timber lands within and adjoining the same.
  16. \$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.
  17. \$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. Stat. 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. Stat. at Large, vol. 16, 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.

S. S. BURDETT,  
Commissioner.

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.

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 30, 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 Chattauooga	*July 3, 1858.
	Mobile and Girard	*May 13, 1858.
	Alabama and Chattanooga, 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 Extension.	April 7, 1870.
Iowa	Burlington and Missouri River	Adopted by Railroad Company, March 24, 1857. See Supreme Court Reports, 9 Wallace, p. 89, Railroad Company <i>vs.</i> Fremont County.
	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.
	Bay de Noquet and Marquette	March 15, 1866, between Grand Rapids and Fort Wayne, Indiana.
	Houghton and Ontonagon, formerly Marquette and Ontonagon.	December 1, 1857.
Wisconsin	Chicago and Northwestern, formerly Chicago, Saint Paul and Fond du Lac.	June 23, 1859.
	Wisconsin Central, formerly Portage, Winnebago and Superior.	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.
	West Wisconsin, formerly La Crosse and Milwaukee and Tomah and Saint Croix Roads.	September 7, 1869.
		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, &amp;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.
Minnesota...	Saint Paul and Pacific .....	April 22, 1865, to additional grant under act of May 5, 1864. 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. January 19, 1867, from that point to the Big Sioux River, in Dakota Territory.
	Minnesota Central .....	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.
	Saint Paul and Sioux City .....	From Saint Paul to section 23, township 106 north, range 34 west, survey in the field, which was from June 8 to October 8, 1857. From that point to section 30, township 104 north, range 39 west, from October 31 to November 8, 1858. 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.
	Lake Superior and Mississippi .....	September 25, 1866.
	Hastings and Dakota .....	Survey in the field, which was from August 25 to October 26, 1866.
	Southern Minnesota .....	From the Mississippi River to Houston, survey in the field, which was from July 21 to August 5, 1857. From Houston to section 22, township 104 north, range 8 west, July 13, 1866. From that point to section 2, township 103 north, range 18 west, January 1, 1867. 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. From Council Grove to Emporia, August 10, 1866. From Emporia to the Osage lands, from survey in the field, which was between September 24 and 28, 1866. From the north boundary of the Osage lands to the southern boundary of Kansas, October 15, 1867.
	Missouri River, Fort Scott and Gulf..	February 11, 1868.
	Leavenworth, Lawrence and Galveston.	November 15, 1866, from Lawrence to the north boundary of the Osage lands. November 26, 1867, to the southern boundary of Kansas.
	Saint Joseph and Denver City .....	March 21, 1870.
	Atchison, Topeka and Santa Fe .....	From Atchison to Emporia, survey in the field, which was from November 28, 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.		
Kansas .....	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. 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.
	Central Pacific .....	*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. From that point to Ogden, July 18, 1868.
California .....	Western Pacific .....	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 .....	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.	June 15, 1865.
	Sioux City and Pacific .....	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, Washington Territory, 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.



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No. 17.—Table showing the time when the various railroad rights attach, &c.—Continued.

States.	Names of road.	Dates.
<b>CORPORATIONS—Continued.</b>		
Nebraska.....	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 15, 1871.
	New Orleans, Baton Rouge and Vicksburg.	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 Land-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. From that point to near the south line of township 30 south, April 30, 1871.
Do.....	Oregon Central.....	From Portland, Oreg., to the Yamhill River, near McMinnville, and from a junction near Forest Grove toward Astoria, twenty miles, May 2, 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 Vicksburg Railroad.

S. S. BURDETT,  
*Commissioner.*

DEPARTMENT OF THE INTERIOR,  
General Land-Office, November 1, 1874.













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