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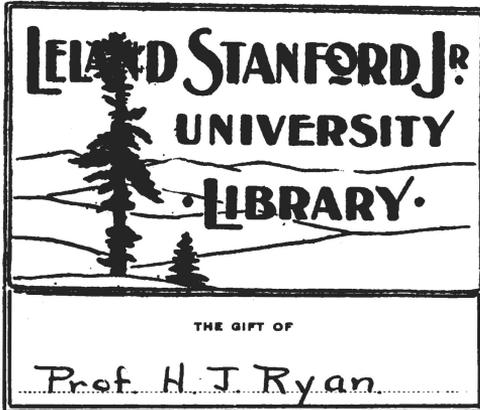
INSTRUCTIONS
TO
U. S. DEPUTY
MINERAL SURVEYORS.
FOR THE
DISTRICT OF COLORADO.

MARCH 15, 1883.

HISTLER, PRINTER.

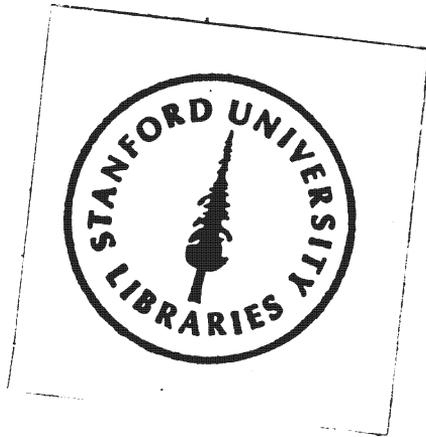
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U.S. General land office. Surveyor general
for Colorado.

INSTRUCTIONS

TO

U. S. DEPUTY

MINERAL SURVEYORS.

FOR THE

DISTRICT OF COLORADO.

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U. S. SURVEYOR GENERAL'S OFFICE,

DENVER, COLORADO, March 15th, 1893.

*To U. S. Deputy Mineral Surveyors
for the District of Colorado:*

GENTLEMEN:—The following instructions are issued under authority given me by the United States mining laws and circular and special instructions from the Honorable the Commissioner of the General Land Office.

They have been prepared for the purpose of clearly defining your duties as U. S. Deputy Mineral Surveyors, both to the government and the claimant, and for securing accuracy and promptness in the execution of the field work. and uniformity in the returns of your field notes and reports.

Before undertaking any official business, you are expected to make yourselves thoroughly familiar with the mining laws, and regulations and decisions thereunder pertaining to your duties, as well as with these instructions.

Very respectfully,



U. S. Surveyor General for Colorado.

INSTRUCTIONS
TO
U. S. DEPUTY MINERAL SURVEYORS,
FOR THE DISTRICT OF COLORADO.

GENERAL RULES.

1. All official communications must be addressed to the SURVEYOR GENERAL. You will always refer to the date and subject-matter of the letter to which you reply, and when a mineral claim is the subject of correspondence, you will give the name and survey number.

2. You should keep a complete record of each survey made by you, and the facts coming to your knowledge at the time, as well as copies of all your field notes, reports and official correspondence, in order that such evidence may be readily produced when called for at any future time.

3. Field notes and other reports must be written in a clear and legible hand, and upon the proper blanks furnished you gratuitously by this office, upon application therefor. *No interlineations or erasures* will be allowed; and no abbreviations or symbols must be used, except such as are indicated in the specimen field notes.

4. No return by you will be recognized as official, unless it is over your signature as a U. S. Deputy Mineral Surveyor, and made in pursuance of a special order from this office. After you have received an order for survey, you are required to make the survey, and return correct field notes thereof to this office without delay.

5. The claimant is required, in all cases, to make satisfactory arrangements with you for the payment of your services and those of your assistants in making the survey, as the United States will not be held responsible for the payment of the same. You will call the attention of applicants for mineral survey orders to the requirements of the circular of this date in the appendix.

6. You will promptly notify this office of any change in your postoffice address. Upon permanent removal from the State you are expected to resign your appointment.

NOT TO ACT AS ATTORNEY.

7. You are precluded from acting, either directly or indirectly, as attorney in mineral claims. Your duty in any particular case ceases when you have executed the survey and returned the field notes and preliminary plat, with your report to the Surveyor General. You will not be allowed to prepare for the mining claimant the papers in support of his application for patent, or otherwise perform the duties of an attorney before the land office in connection with a mining claim. You are not permitted to combine the duties of surveyor and notary public in the same case by administering oaths to the parties in interest, but as a notary public you may administer the oaths to your assistants in making the survey. Otherwise you must have absolutely nothing to do with the case except in your official capacity as surveyor. You will make no survey of a mineral claim in which you hold an interest.

THE FIELD WORK.

8. The survey made and reported must, in every case, be an actual survey on the ground in full detail, made by you in person after the receipt of the order, and without reference to any knowledge you may have previously acquired by reason of having made the location survey or otherwise, and must show the actual facts existing at the time. This precludes you from calculating the connections to corners of the public survey and location monuments, or any other lines of your survey through prior surveys made by others, unless it is satisfactorily shown in your report that you have retraced such lines and found them to be correct. If the season of the year, or any other cause, renders such personal examination impossible, you will postpone the survey, and under no circumstances rely upon the statements or surveys of other parties, or upon a former examination by yourself.

The term *survey* in these instructions applies not only to the usual field work, but also to the examinations required for the preparation of your affidavits of five hundred dollars expenditure, descriptive reports on placer claims, and all other reports.

SURVEY AND LOCATION.

9. The survey of a mining claim may consist of several contiguous locations, but such survey must, in conformity with statutory requirements, distinguish the several locations, and exhibit the boundaries of each. Locations cornering on each other are not contiguous.

10. The survey must be made in strict conformity with, or be embraced within, the lines of the location upon which the order is based. If the survey and location are identical, that fact must be clearly and distinctly stated in your field notes. If not identical, a bearing and distance must be given from each established corner of the survey to the corresponding corner of the location. The lines of the location, as found upon the ground, must be laid down upon the preliminary plat in such a manner as to contrast and show their relation to the lines of the survey.

11. In accordance with the principle that courses and distances must give way when in conflict with fixed objects and monuments, you will not, under any circumstances, change the corners of the location for the purpose of making them conform to the description in the record. If the difference from the location be slight, it may be explained in the field notes, but if there be a wide discrepancy, you will report the facts to this office and await further instructions.

12. If the record of location has been made prior to the passage of the mining act of May 10, 1872, and is not sufficiently definite and certain to enable you to make a correct survey therefrom, you are required, after reasonable notice in writing, to be served personally or through the United States mail on the applicant for survey and adjoining claimants, whose residence or postoffice address you may know, or can ascertain by the exercise of reasonable diligence, to take testimony of neighboring claimants and other persons who are familiar with the boundaries thereof as originally located and asserted by the locator of the claim, and after having ascertained by such testimony the boundaries as originally established, you will make a survey in accordance therewith, and transmit full and correct returns of the survey, accompanied by the copy of the record of location, the testimony, and a copy of the notice served on the claimant and adjoining proprietors, certifying thereon when, in what manner, and on whom service was made.

13. If the location has been made subsequent to the passage of the mining act of May 10, 1872, and the law has been complied with in the matter of making the location on the ground and recording the same, and any question should arise in the execution of the survey as to the identity of monuments, marks, or boundaries which cannot be determined by a reference to the record, you are required to take testimony in the manner hereinbefore prescribed for surveys of claims located prior to May 10, 1872, and having thus ascertained the true and correct boundaries originally established, marked and recorded, you will make the survey accordingly.

INSTRUMENT.

14. All mineral surveys must be made with a TRANSIT, by which the meridian can be determined independently of the magnetic needle, and all courses must be referred to the true meridian. The variation should be noted at each corner of the survey,

CONNECTIONS.

15. Connect corner No. 1 of each location embraced in your survey by course and distance with some corner of the public survey or with a United States location monument, if the claim lies within two miles of such corner or monument. If both are within the required distance, you will connect with the nearest corner of the public survey.

16. Until further notice you will be governed by the following special instructions in making mineral surveys in any of the following townships, the plats of the surveys of which have been suspended by orders from the General Land Office on account of alleged errors or frauds in the public land surveys, and have not been released from suspension:

Tps. 48 N., Rs. 6 and 7 E.

“ 38 and 39 N., Rs. 6 and 7 W.

“ 40 N., Rs. 6, 7, 8 and 9 W.

“ 41, 42 and 43 N., Rs. 6, 7 and 8 W.

“ 39 N., R. 8 W.

“ 37 N., Rs. 10 and 11 W.
of the New Mexico Principle Meridian.

“ 1 S., R. 76 W.

“ 2 S., Rs. 75 and 76 W.

“ 3 S., Rs. 75, 76 and 80 W.

“ 4 S., Rs. 76, 77 and 80 W.

“ 5 S., R. 79 W.

“ 6 S., Rs. 82, 83, 84, 85, 86, 87 and 88 W., except Sec. 31,
Tp. 6 S., R. 87 W.

“ 7 S., Rs. 78, 79, 82, 83, 84, 85 and 86 W.

“ 8 S., Rs. 81, 82 and 83 W.

“ 9 S., Rs. 81, 82, 83, 84 and 87 W.

“ 10 S., Rs. 71, 81, 82, 83 and 87 W.

“ 11 and 12 S., Rs. 83, 84 and 85 W.

“ 32 S., R. 69 W., except the East two tiers of sections
of the 6th Principle Meridian

(a) You will make surveys and connections of mineral claims in said townships so long as they remain suspended, in the same manner as though the claims were upon unsurveyed land, except as hereinafter specified, by connecting them with independent mineral monuments. At the same time, you will note the position of any public land corner which may be found in the neighborhood of the claim, so that, in case of the release of the township plat from suspension, the position of the claim can be shown on the plat.

(b) A mineral survey must not be returned with its connection made only with a corner of the public survey, where the survey of the township within which it is situated is under suspension, nor if connected with a mineral monument alone, when situated within the limits of a township, the regularity and correctness of the survey of which is unquestioned.

LOCATION MONUMENTS.

17. In case your survey is situated in a district where there are no corners of the public survey and no monuments within the prescribed limits, you will proceed to establish a mineral monument, in the location of which you will exercise the greatest care to insure permanency as to site and construction.

The site, when practicable, should be some prominent point visible for a long distance from every direction, and should be so chosen that the permanency of the monument will not be endangered by snow, rock or land slides, or other natural causes.

18. The location monument should consist of a post eight feet long and six inches square, set three feet in the ground, and protected by a well built conical mound of stone three feet high and six feet base. The letters U. S. L. M., followed by a number identical with the number of the survey for which the monument is established, must be scribed on the post and also chiseled on a large stone in the mound, or on the rock in place that may form the base of the monument. There is no objection to the establishment of a location monument of larger size, or of other material of equally durable character.

19. From the monument, connections by course and distance must be taken to two or three bearing trees or rocks, and to any well known and permanent objects in the vicinity, such

as the confluence of streams, prominent rocks, buildings, shafts or mouths of adits. Bearing trees must be properly scribed B. T. and bearing rocks chiseled B. R., together with the number of the location monument; the exact point on the tree or stone to which the connection is taken should be indicated by a cross or other unmistakable mark. Bearings should also be taken to prominent mountain peaks, and the approximate distance and direction ascertained from the nearest town or mining camp. A detailed description of the location monument must be given at the conclusion of the field notes of the survey for which it is established.

CORNERS.

20. Corners may consist of

First—A stone at least twenty-four inches long set twelve inches in the ground.

Second—A post at least four and a half feet long by four inches square set eighteen inches in the ground and surrounded by a substantial mound of stone or earth.

Third—A rock in place.

21. All corners must be established in a permanent and workmanlike manner, and the corner and survey number must be neatly chiseled or scribed on the sides facing the claim. The *exact* corner point must be permanently indicated on the corner. When a rock in place is used its dimensions above ground must be stated, and a cross chiseled at the exact corner point.

22. In case the point for the corner be inaccessible or unsuitable, you will establish a witness corner, which must be marked with the letters W. C. in addition to the corner and survey number. The witness corner should be located upon a line of the survey and as near as possible to the true corner, with which it must be connected by course and distance. The reason why it is impossible or impracticable to establish the true corner must always be stated in the field notes.

23. The identity of all corners should be perpetuated by taking courses and distances to bearing trees, rocks and other objects, as prescribed in the establishment of location monuments.

24. If an official survey has been made within a reasonable distance in the vicinity, you will run a connecting line to some corner of the same, and connect in like manner with all conflicting surveys and claims.

TOPOGRAPHY.

25. Note carefully all topographical features of the claim, taking distances on your lines to intersections with all streams, gulches, ditches, ravines, mountain ridges, roads, trails, etc., with their widths, courses and other data that may be required to map them correctly. If the claim lies within a townsite, locate all municipal improvements, such as blocks, streets and buildings.

CONFLICTS.

26. If in running the exterior boundaries of a claim, you find that two surveys conflict, you will determine the courses and distances from the established corners thereof, situate within the boundaries of your survey, at which the exterior boundaries intersect each other, and run all lines necessary for the determination of the areas in conflict, both with surveyed and unsurveyed claims. You will not, however, show conflicts with unsurveyed claims unless the same are to be excluded.

27. Your attention is directed to the first three paragraphs of General Land Office circular, dated December 4, 1884, viz:

"1. The rights granted to locators under section 2322, Revised Statutes, are restricted to such locations on veins, lodes or ledges as may be situated on the *public domain*.' In applications for lode claims where the survey conflicts with a prior valid lode claim or entry, and the ground in conflict is excluded, the applicant not only has no right to the excluded ground, but he has no right to that portion of any vein or lode the top or apex of which lies within such excluded ground, unless his location was prior to May 10, 1872. His right to the lode claimed terminates where the lode, in its onward course or strike, intersects the exterior boundary of such excluded ground and passes within it."

"2. The end line of his survey should not, therefore, be established beyond such intersection, unless it should be necessary so to do for the purpose of including ground held and claimed under a location which was made upon public land and valid at the time it was made. To include such ground (which may possibly embrace other lodes) the end-line of the survey may be established within the conflicting survey, but the line must be so run as not to extend any further into the conflicting survey than may be necessary to make such end line parallel to the other end-line, and at the same time embrace the ground so held and claimed. The useless practice in such cases of extending *both* the side lines of a survey into the con-

flicting survey and establishing an end-line wholly within it, beyond a point necessary under the rule just stated, will be discontinued.”

“3. These instructions will be observed by Surveyors General in all cases where surveys have not been approved by them prior to receipt hereof.”

28. It will be particularly observed by you that the provisions of General Land Office Circular dated December 4, 1884, are just as applicable in the case of conflicting and over-lapping locations embraced in one survey, as though the several locations were embraced in separate and distinct surveys.

29. A lode claim that is divided into two parts by an intersecting patented mill site, placer or agricultural entry, must be confined to that part which contains the discovery shaft and improvements

30. The exterior lines of placer claims or mill sites cannot be extended over other claims, and the conflicting areas excluded as with lode claims, it being the surface ground only, with side lines taken perpendicularly downward for which application is made. The survey must accurately define the boundaries of the *claim*.

31. If by reason of intervening surveys or claims, a placer survey should be divided into separate tracts, you will preserve a separate series of numbers for the corners of each location, and a consecutive series of numbers for the corners of the tracts embraced in each; distinguishing the detached portions as Tract A, Tract B, etc., connecting by course and distance a corner of each tract with some corner of one previously described. The provisions of this paragraph will also apply to the surveys of mill-sites.

LODE AND MILL-SITE.

32. A lode and mill-site claim in one survey will be distinguished by the letters A and B following the number of the survey. The corners of the mill-site will be numbered independently of those of the lode. Corner No. 1 of the mill-site must be connected with a corner of the lode claim as well as with a corner of the public survey or U. S. location monument.

FIELD NOTES.

33. In order that the results of your survey may be reported to this office in a uniform manner, you will prepare your field notes and

preliminary plat in strict conformity with the specimen field notes and plat, which are made part of these instructions. They are designed to furnish you all the needed information concerning the manner of describing the boundaries, corners, connections, intersections, conflicts and improvements, and stating the variation, area, location and other data connected with the survey of mineral claims, and contain forms of affidavits for the deputy surveyor and his assistants.

34. When a placer claim includes lodes, or when several contiguous placer or lode locations are included as one claim in one survey, you will give to the corners of each location constituting the same a separate consecutive numerical designation, beginning with Cor. No. 1 in each case. In the former case you will first describe the placer claim in your field notes.

35. Throughout the description of the survey, after each reference to the lines or corners of a location, give the name thereof, and if unsurveyed state the fact. If reference is made to a location included in a prior official survey, the survey number must be given, followed by the name of the location.

36. The total area of each location in a claim embraced by its exterior boundaries, and also the area in conflict with each intersecting survey or claim should be so stated, that the conflicts with any one or all of them may be included or excluded from your survey. But when locations of the survey conflict with each other, such conflicts should only be stated in connection with the location from which the conflicting area is excluded. This will enable the claimant to state in his application for patent the portions to be excluded in express terms, and to readily determine the *net area* of his claim.

37. You will state particularly whether the claim is upon surveyed or unsurveyed public lands, giving in the former case the quarter-section, township and range in which it is located, and in the latter, the township as near as can be determined.

38. The title page must contain the postoffice address of the claimant or his authorized agent.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

39. In making out your certificate of the value of the improvements, you will follow the form prescribed in the specimen field notes.

40. Only *actual* expenditures and *mining* improvements, made by the claimant or his grantors, having a direct relation to the development of the claim, can be included in your estimate. "Labor or improvements within the meaning of the Statute are deemed to have been had on a mining claim whether it consists of one location or several, when the labor is performed or the improvements are made for its development, that is, to facilitate the extraction of the metals it may contain." L. D. 6-222.

41. The expenditures required may be made from the surface, or in running a tunnel, drifts or cross-cuts, for the development of the claim. Improvements of any other character, such as buildings, machinery or roadways, must be excluded from your estimate unless you show clearly that they are associated with actual excavations, such as cuts, tunnels, shafts, etc., and are essential to the practical development of the surveyed claim.

42. You will locate all mining and other improvements upon the claim by courses and distances from corners of the survey, or by rectangular offsets from the center line, specifying with particularity and detail the dimensions and character of each.

43. You will give in detail the value of each mining improvement included in your estimate of expenditure, and when a tunnel or other improvement has been made for the development of other claims in connection with the one for which survey is made, you must give the name, ownership and survey number, if any, of each claim to which a portion or interest is credited, and the value of the portion or interest credited to the claim. The value of improvements made upon other locations, or by a former locator who has abandoned his claim, cannot be included in your estimate.

44. In case of a lode and mill-site claim in the same survey, an expenditure of five hundred dollars must be shown upon the lode claim only.

45. When a survey embraces several locations held in common constituting one entire claim, whether lode or placer, an expenditure of five hundred dollars upon such entire claim embraced in the survey will be sufficient, but in preparing your estimate of five

hundred dollars expenditure thereon, you will observe the requirements of the decision of the Honorable Commissioner of the General Land Office, dated June 11th, 1890, quoted below for your information:

“When two or more lode locations are embraced in one entry, and the improvements on each lode are not of the value of \$500, it must be shown that a sum equal in value, of labor or improvements, has been expended for the common benefit of all those of which the improvements do not equal that sum, with a satisfactory explanation of how and in what manner such improvements tend to a common benefit.”

The explanatory statement in such cases should be given in your field notes, or affidavit, at the conclusion of the description of the improvements included in the estimate of expenditure, and should be as full and explicit as the facts in the case warrant, dealing only with the improvements, conditions and circumstances as they actually exist at the time of making the survey or examination, without reference to what is possible or what the claimants may intend to do.

46. Following your certificate you will locate and describe all other improvements made by the claimant or other parties within the boundaries of the survey, giving the names of the claimants thereof.

47. If the value of the labor and improvements upon a mineral claim is less than five hundred dollars at the time of survey, you are authorized to file your affidavit of five hundred dollars expenditure at any time. If the affidavit is made subsequent to the period of publication it should be shown, if practicable, when the improvements were made. The information upon which to base this certificate must be derived from the deputy who makes the actual survey and examination upon the premises.

PRELIMINARY PLAT.

48. You will file with your field notes a preliminary plat on tracing muslin, protracted on a scale of two hundred feet to an inch, if practicable, on which you will note accurately all the topographical features and details of the survey in conformity with the specimen plat herewith. Pencil sketches or sketches made on other than tracing muslin, will not be accepted. In preparing plats make the top north.

REPORT.

49. You will submit with your return of each survey a separate report upon matters incident to the survey, but not required to be embraced in the field notes, stating how the lines of the survey and all connections were determined; and

50. If the meridian from which your courses were deflected was established by other means than by solar observations with your transit, you will state in detail your observations and calculations for the establishment of such meridian; or

51. If any of the lines of the survey were meandered upon the ground or determined by triangulation or traverse, you will give in full detail all the calculations whereby you arrived at the results reported in your field notes. You will also submit your calculations of areas of placer and mill-site claims or other irregular tracts. See Section 8.

52. You will also mention in your report the discovery of any material errors in prior official surveys, stating explicitly what lines are found to be in error, and giving in express terms the courses and lengths thereof as determined by you.

ERRORS.

53. Whenever a survey has been reported in error, the deputy surveyor who made it will be required to promptly make a thorough examination, upon the premises, and report the result under oath to this office. In case he finds his survey in error, he will report in detail all discrepancies with the original survey, and submit any explanation he may have to offer as to the cause. If, on the contrary, he should report his survey correct, a joint survey will be ordered to settle the differences with the surveyor who reported the error.

JOINT SURVEY.

54. A joint survey must be made within ten days after the date of order, unless satisfactory reasons are submitted, under oath, for a postponement.

55. The field work must in every sense of the term be a *joint* and not a separate survey, and the observations and measurements taken with the same instrument and chain, previously tested and agreed upon.

56. The deputy surveyor found in error, or if both are in error, the one who reported the same will make out the field notes of the joint survey, which, after being duly signed and sworn to by both parties, must be transmitted to this office.

57. The surveyor found in error will be required to pay all expenses of the joint survey and preliminary examinations incident thereto, including ten dollars per day to the surveyor whose work is proved to be substantially correct.

AMENDED SURVEYS.

58. Inasmuch as amended surveys are ordered only by special instructions from the General Land Office, and the conditions and circumstances peculiar to each separate case, and the object sought by the required amendment, alone govern all special matters relative to the manner of making such survey and the form and subject matter to be embraced in the field notes thereof, but few general rules applicable to all cases can be laid down.

59. The amended survey must be made in strict conformity with, or be embraced within, the lines of the original survey. If the amended and original surveys are identical, that fact must be clearly and distinctly stated in your field notes. If not identical, a bearing and distance must be given from each established corner of the amended survey to the corresponding corner of the original survey. The lines of the original survey, as found upon the ground, must be laid down upon the preliminary plat, in such manner as to contrast and show their relation to the lines of the amended survey.

60. The field notes of the amended survey must be prepared on the same size* and form of blanks as are the field notes of the original survey.

DESCRIPTIVE REPORTS ON PLACER CLAIMS.

61. By General Land Office circular, approved September 23, 1882, you are required to make a full examination of all placer claims at the time of survey, and file with your field notes a descriptive report in which you will describe:

(a) The quality and composition of the soil, and the kind and amount of timber, and other vegetation.

(b) The *locus* and size of streams, and such other matters as may appear upon the surface of the claims.

* All surveys below 4500 are on the small size of blanks. See section 3.

(c) The character and extent of all surface and underground workings, whether placer or lode, for mining purposes, locating and describing them, as required by Section 42.

(d) The proximity of centers of trade or residence.

(e) The proximity of well-known systems of lode deposits or of individual lodes.

(f) The use or adaptability of the claim for placer mining, and whether water has been brought upon it in sufficient quantity to mine the same, or whether it can be procured for that purpose.

(g) What works or expenditures have been made by the claimant or his grantors for the development of the claim, and their situation and location with respect to the same as applied for.

(h) The true situation of all mines, salt licks, salt springs, and mill seats, which come to your knowledge, or report that none exist on the claim, as the facts may warrant.

(i) Said report must be made under oath, and duly corroborated by one or more disinterested persons.

62. Descriptive reports on placer claims taken by legal subdivisions are authorized only by special order, and must contain a description of the claim in addition to the foregoing requirements.

PRACTICE.

63. The practice of employing the claimants their attorneys or parties in interest, as assistants in making surveys of mineral claims, being contrary to the requirement of the General Land Office circular of November 20, 1873, will not be allowed.

64. Your field work must be accurately and properly performed and your returns made in conformity with the foregoing instructions. Errors in the survey must be corrected at your own expense, and if the time required in the examination of your returns is increased by reason of your neglect or carelessness, you will be required to make an additional deposit for office work. You will be held to a strict accountability for the faithful discharge of your duties, and will be required to observe fully the requirements and regulations in force as to making mineral surveys. If found incompetent as a surveyor, careless in the discharge of your duties, or guilty of a violation of said regulations, your appointment will be promptly revoked.

65. All former instructions inconsistent with the foregoing are hereby recalled.

SPECIMEN FIELD NOTES.

(4—683.)

Mineral Survey No.---8000, A and B..

Lot No.-----

..... Pueblo..... Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

..... T. E. Jenkins, et al.,.....

KNOWN AS THE

.... Cumro Placer and Poorman, Hawley, Ætna and Podunk Lodes,

..... and Poorman Mill-site.....

..... Pike's Peak..... Mining District,

..... El Paso..... County,..... Colorado.....

Sections..17, 19 and 20,.... Township....14 S.,.... Range..69 W....

Surveyed under instructions dated.... February 6th,.... 1893.....

by..... A. L. HAWLEY,.....

U. S. Deputy Mineral Surveyor

Claim located 18....

Survey commenced..... February 9th, 1893.....

Survey completed..... February 12th, 1893.....

Address of Claimants:—

..... Denver,.....

..... Colorado.....

FEET

SURVEY 8000 A.

CUMRO PLACER.

TRACT A.

Beginning at Cor. No. 1.

Identical with the S. W. Cor. of the location and with the S. W. Cor. of Sec. 17, T. 14 S., R. 69 W. of the 6th Principal Meridian.

A pine post $4\frac{1}{2}$ ft. long, 4 ins. square, set 2 ft. in the ground, with mound of stone, alongside the section corner, scribed 1-8000 A, whence

A spruce 17 ins. diam. bears N. $8^{\circ} 41'$ W. 7 ft., and a spruce 14 ins. diam. bears S. $68^{\circ} 14'$ E. 18.5 ft., each blazed and scribed B. T. 1-8000 A.

James Peak bears N. $52^{\circ} 21'$ W.

Hahns Peak bears N. $29^{\circ} 28'$ W.

Thence North.

Va. $14^{\circ} 22'$ E.

660. To Cor. No. 2.

Identical with a corner of the location.

A pine post $4\frac{1}{2}$ ft. long, 4 ins. square, set 18 ins. in the ground with mound of earth and stone, scribed 2-8000 A, whence

A spruce 18 ins. diam. blazed and scribed B. T. 2-8000 A, bears S. $14^{\circ} 47'$ E. 17.3 ft.

Thence N. $89^{\circ} 50'$ E.

Va. $14^{\circ} 28'$ E.

182.3 To Cor. No. 3.

On line 1-2 Hawley lode of this survey, A cedar post 5 ft. long, 4 ins. square, set 2 ft. in the ground with mound of earth, scribed 3-8000 A, whence

A corner of the location bears N. $89^{\circ} 50'$ E. 1126.7 ft.

Thence S. $3^{\circ} 48'$ E.

Va. $14^{\circ} 28'$ E.

84.5 To Cor. No. 4.

A pine post $4\frac{1}{2}$ ft. long, 4 ins. square, set 2 ft. in the ground with mound of stone, scribed 4-1-8000 A, whence

A pine 14 ins. diam. bears S. $21^{\circ} 47'$ E. 14.3 ft., and a spruce 11 ins. diam. bears N. $14^{\circ} 52'$ E. 6 ft., each blazed and scribed B. T. 4-1-8000 A.

Thence N. $86^{\circ} 12'$ E.

Va. $14^{\circ} 28'$ E.

67.2	<p>To Cor. No. 5.</p> <p>On line 1-2 Poorman lode of this survey.</p> <p>A cottonwood post 5 ft. long, 4 ins. square, set 2 ft. in the ground with mound of stone. scribed 5-8000 A.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence S. 17° 38' W. Va. 14° 36' E.</p>
243.4	<p>To Cor. No. 6.</p> <p>A pine post 4½ ft. long, 4 ins. square, set 2 ft. in the ground, with mound of earth, scribed 6-1-8000 A, whence</p> <p>A high Mt. bears N. 51° 14' E.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence S. 41° 14' E. Va. 14° 30' E.</p>
350.48	<p>To Cor. No. 7.</p> <p>A granite boulder 27x12x9 ins., set 16 ins. in the ground, chiseled 7-6-8000 A.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence N. 17° 38' E. Va. 14° 30' E.</p>
542.38	<p>To Cor. No. 8.</p> <p>On line 4-1 Hawley lode of this survey.</p> <p>A pine post 4½ ft. long, 5 ins. square, set 2 ft. in the ground, scribed 8-8000 A.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence N. 86° 12' E. Va. 14° 28' E.</p>
416.8	<p>To Cor. No. 9.</p> <p>On line 3-4 Podunk lode of this survey.</p> <p>A granite stone, 26x16x6 ins., set 18 ins. in the ground, with mound of stone, chiseled 9-8000 A.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence S. 41° 14' E. Va. 14° 28' E.</p>
555.41	<p>To Cor. No. 10.</p> <p>On line 4-1 Sur. No. 7000, Ajax lode, claimant unknown.</p> <p>A pine post 4½ ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth, scribed 10-8000 A.</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">Thence S. 7° 45' W. Va. 14° 25' E.</p>
210.	<p>To Cor. No. 11.</p> <p>On line 4-1 Sur. No. 7000, Ajax lode, at N. 75° 45' E. 10.73 ft. from Cor. No. 4.</p> <p>A pine post 5 ft. long, 4 ins. square, set 2 ft. in the ground, with mound of earth and stone, scribed 11-8000 A, whence</p>

FEET	<p>A cottonwood 8 ins. diam., blazed and scribed B. T., 11-8000 A, bears N. 33° 27' W. 5 ft.</p> <p align="center">Thence S. 89° 50' W. Va. 14° 25' E.</p>
1329.42	<p>To Cor. No. 1., the place of beginning.</p> <p align="center">TRACT B.</p> <p>Beginning at Cor. No. 12.</p> <p>At intersection of lines 3-4, Ætna lode of this survey, and Aztec lode, unsurveyed, John Doe claimant.</p> <p>A spruce post 4½ feet long, 4 ins. square, set 18 ins. in the ground, scribed 12-8000 A, whence</p> <p>A pine stump 18 ins. diam., 3 ft. high, blazed and scribed B. S. 12-8000 A, bears N. 89° 11' E. 9.4 ft.</p> <p align="center">Thence S. 41° 14' E. Va. 14° 30' E.</p>
397.33	<p>To Cor. No. 13.</p> <p>A sandstone 36x20x4 ins., set 16 ins. in the ground with mound of stone, chiseled 13-3-8000 A.</p> <p align="center">Thence S. 48° 46' W. Va. 14° 30' E.</p>
300.	<p>Cor. Nos. 2 Ætna and Podunk lodes of this survey, a point in Cumro Creek, 4 ft. wide, flows West.</p>
330.7	<p>To Cor. No. 14.</p> <p>A rock in place 6x4x2 ft. above the general surface, chiseled cross (x) at corner point and 14-W. C. 2-2-8000 A, whence</p> <p>Cor. No. 11 Tract A of this survey bears S. 89° 50' W. 539 ft.</p> <p align="center">Thence N. 89° 50' E. Va. 14° 30' E.</p>
769.6	<p>To Cor. No. 15.</p> <p>Identical with the S. ¼ Cor. of said Sec. 17, and with the S. E. Cor. of the location,</p> <p>A granite stone 12x10x6 ins. above the ground, chiseled 15-8000 A.</p> <p align="center">Thence North. Va. 14° 30' E.</p>
265.	<p>Cumro Creek, 4 ft. wide, flows S. 65° W.</p>
758.1	<p>To Cor. No. 16.</p> <p>On line 3-4 Aztec lode, unsurveyed, at S. 72° 43' W. 115.6 ft. from Cor. No. 3,</p>

FEEET	A spruce post $4\frac{1}{2}$ ft. long, 4 ins. square, set 6 ins. in the ground to bed rock, with mound of earth and stone, scribed 16-8000 A. <hr/> Thence S. $72^{\circ} 43'$ W. Va. $14^{\circ} 28'$ E.
819.1	To Cor. No. 12, the place of beginning. <hr/> TRACT C. Beginning at Cor. No. 17. On line 1-2, Aztec lode, unsurveyed, at S. $72^{\circ} 43'$ W. 22.26 ft. from Cor. No. 2, A pine post $4\frac{1}{2}$ ft. long, 4 ins. square, set 12 ins. in the ground to bed rock, with mound of stone, scribed 17-8000 A, whence Cor. No. 16 tract B, of this survey bears South 314.2 ft. <hr/> Thence S. $72^{\circ} 43'$ W. Va. $14^{\circ} 30'$ E.
938.26	To Cor. No. 18. At intersection of lines 1-2 and 2-3 Aztec lode, unsurveyed, and Sur. No. 7000, Ajax lode respectively. A cross (x) at corner point and 18-8000 A chiseled on a granite rock in place, showing 10x3x2 ft. above the general surface. <hr/> Thence N. $7^{\circ} 45'$ E. Va. $14^{\circ} 30'$ E.
530.	To Cor. No. 19. On line 2-3 Sur. No. 7000 Ajax lode, at S. $7^{\circ} 45'$ W. 116.4 ft. from Cor. No. 2. A granite stone 28x10x3 ins., set 12 ins. in the ground, chiseled 19-8005 A, whence A corner of the location bears S. $89^{\circ} 50'$ W. 484.6 ft. <hr/> Thence N. $89^{\circ} 50'$ E. Va. $14^{\circ} 30'$ E.
824.43	To. Cor. No. 20. A granite rock 30x20x16 ins., set 16 ins. in the ground, chiseled 20-8000 A, whence A cross (x) and B. R. 20-8000 A chiseled 4 ft. above the ground on a limestone cliff 20 ft high, bears S. $83^{\circ} 11'$ E. 45.6 ft. <hr/> Thence South. Va $14^{\circ} 30'$ E.
247.72	To Cor. No. 17, the place of beginning.

FEET	AREA.
Tract A, containing.....	14.660 acres
Tract B, containing.....	3.858 "
Tract C, containing.....	7.532 "
<hr/>	
Total area Cumro placer.....	32.070 acres

POORMAN LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 6 Cumro placer of this survey-whence

The S. W. Cor. Sec. 17, T. 14 S., R. 69 W. of the 6th P. M., bears S. 27° 28' W. 393.26 ft.

Thence N. 17° 38' E.

243.4 Cor. No. 5, Cumro placer and intersect line 4-1 Hawley lode, both of this survey.

565.7 Intersect line 2-3 Hawley lode of this survey.

831.4 To Cor. No. 2.

A granite stone 27x11x9 ins., set 12 ins. in the ground, chiseled 2-8000 A.

Thence N. 48° 46' E.

661.57 To Cor. No. 3.

A pine post 5 ft. long, 4 ins. square, set 22 ins. in the ground to bed rock, scribed 3-8000 A.

Thence S. 41° 14' E.

300. To Cor. No. 4.

A cedar post 4½ long, 5 ins. square, set 18 ins. in the ground, scribed 4-4-8000 A, whence

Cor. No. 1 Sur. No. 7000, Ajax lode, bears N. 72° 22' E. 422.6 ft.

Thence S. 48° 46' W.

300. Cor. Nos. 1 Ætna and Podunk lodes of this survey.

578. To Cor. No. 5.

A cedar stump 3 ft. high, hewed to 4 ins. square, surrounded by mound of stone, scribed 5-4-8000 A, whence

A cross (x) and B. R. 5-4-8000 A chiseled on aporphyry stone, showing 9x6x4 ft. above the ground, bears N. 75° 14' E. 32.7 ft.

Thence S. 17° 38' W.

64.4 Intersect line 2-3 Hawley lode of this survey.

386.7 Cor. No. 8 Cumro placer and intersect line 4-1 Hawley lode, both of this survey.

FEET	
929.04	To Cor. No. 6. Identical with Cor. No. 7 Cumro placer of this survey. Thence N. 41° 14' W.
350.48	To Cor. No. 1, the place of beginning. HAWLEY LODE. Beginning at Cor. No. 1. Identical with Cor. No. 1 of the location and with Cor. No. 4 Cumro placer of this survey, whence The S. W. Cor. Sec. 17, T. 14 S., R. 69 W. of the 6th P. M. bears S. 18° 4' W. 606.1 ft. Cor. No. 1, Poorman lode of this survey bears S. 1° 41' W. 227.6 ft. Thence N. 3° 48' W. Va. 14° 28' E.
84.5	Cor. No. 3 Cumro placer of this survey.
300.	To Cor. No. 2. A sandstone 30x12x2 ins., set 14 ins. in the ground, chiseled 2-8000 A, whence Cor. No. 4 of the location bears N. 45° W. 28.5 ft. Thence N. 86° 12' E. Va. 14° 25' E.
185.	Intersect line 1-2 Poorman lode of this survey.
507.3	Intersect line 5-6 Poorman lode of this survey.
567.6	Intersect line 3-4 Podunk lode of this survey.
926.7	Intersect lines 1-2 Podunk and Ætna lodes of this survey.
1264.7	To Cor. No. 3. A granite stone 26x14x8 ins., set 12 ins. in the ground with mound of stone, chiseled 3-8000 A, whence Cor. No. 3 of the location bears N. 86° 12' E. 235.3 ft. Cor. No. 1 Sur. No. 7000, Ajax lode, bears N. 11° E. 529.9 ft. Cor. No. 1 Aztec lode, unsurveyed, bears S. 32° 30' W. 378.4 ft. Thence S. 3° 48' E. Va. 14° 26' E.
150.	Intersect line 4-1 Sur. No. 7000, Ajax lode, at S. 7° 45' W. 676. ft. from Cor. No. 1.
250.6	Intersect line 1-2 Aztec lode, unsurveyed, at N. 72° 43' E. 229.8 ft. from Cor. No. 1.

FEET	
300.	To Cor. No. 4. A pine post $4\frac{1}{2}$ ft. long, 4 ins. square, set 18 ins. in the ground, scribed 4-8000 A, whence Cor. No. 4 of the location bears N. $86^{\circ} 12'$ E. 235.3 ft. Thence S. $86^{\circ} 12'$ W. Va. $14^{\circ} 15'$ E.
30.8	Intersect line 4-1 Sur. No. 7000, Ajax lode, at S. $7^{\circ} 45'$ W. 829.1 ft. from Cor. No. 1.
108.3	Intersect lines 1-2 Aetna and Podunk lodes of this survey.
206.	Intersect line 1-2 Aztec lode, unsurveyed, at N. $72^{\circ} 43'$ E. 18.1 ft. from Cor. No. 1.
458.4	Cor. No. 9 Cumro placer and intersect line 3-4 Podunk lode, both of this survey.
875.2	Cor. No. 8 Cumro placer and intersect line 5-6 Poorman lode, both of this survey.
1197.5	Cor. No. 5 Cumro placer and intersect line 1-2 Poorman lode, both of this survey.
1264.7	To Cor. No. 1, the place of beginning.

ÆTNA LODE.

Beginning at Cor. No. 1.
On line 4-5 Poorman lode of this survey.
A pine post $4\frac{1}{2}$ feet long, 4 ins. square, set 18 ins. in the ground, scribed 1-1-8000 A, whence
The S. W. Cor. Sec. 17, T. 14 S., R. 69 W. of the 6th P. M., bears S. $38^{\circ} 2'$ W. 1465. ft.
Cor. No. 1 Aztec lode, unsurveyed, bears S. $32^{\circ} 19'$ E. 607.76 ft.
Cor. No. 3 Hawley lode of this survey, bears S. $69^{\circ} 46'$ E. 561.9 ft.

Thence S. $41^{\circ} 14'$ E.

288.3	Intersect line 2-3 Hawley lode of this survey.
611.2	Intersect line 1-2 Aztec lode, unsurveyed, at N. $72^{\circ} 43'$ E. 103.1 ft. from Cor. No. 1.
666.1	Intersect line 4-1 Hawley lode of this survey.
766.9	Intersect line 4-1 Sur. No. 7000, Ajax lode, at S. $7^{\circ} 45'$ W. 910.9 ft. from Cor. No. 1.
969.5	Intersect line 3-4 Aztec lode, unsurveyed, at N. $72^{\circ} 43'$ E. 236.3 ft. from Cor. No. 4.
1164.7	Intersect line 2-3 Sur. No. 7000, Ajax lode, at N. $7^{\circ} 45'$ E. 328.2 ft. from Cor. No. 3.
1500.	To Cor. No. 2.

FEET	On line 13-14 Cumro placer of this survey. Not set, as it falls in the center of Cumro Creek, where permanent corner could not be established, whence Witness corner to Cor. No. 2, identical, with Cor. No. 14 Cumro placer of this survey, bears S. 48° 46' W. 30.7 ft. Cor. No. 3 Sur. No. 7000, Ajax lode, bears S. 74° 38' W. 275.2 ft. <hr/> Thence N. 48° 46' E.
300.	To Cor. No. 3. Identical with Cor. No. 13 Cumro placer of this survey. <hr/> Thence N. 41° 14' W.
397.33	Cor. No. 12 Cumro placer of this survey and intersect line 3-4 Aztec lode, unsurveyed, at N. 72° 43' E. 564.6 ft. from Cor. No. 4.
596.43	Intersect line 2-3 Sur. No. 7000, Ajax lode, at N. 7° 45' E. 725.8 ft. from Cor. No. 3.
725.6	Intersect line 1-2 Aztec lode, unsurveyed, at N. 72° 43' E. 431.3 ft. from Cor. No. 1.
994.	Intersect line 4-1 Sur. No. 7000, Ajax lode, at S. 7° 45' W. 513.2 ft. from Cor. No. 1.
1500.	To Cor. No. 4. Identical with Cor. No. 4 Poorman lode of this survey. <hr/> Thence S. 48° 46' W.
300.	To Cor. No. 1, the place of beginning. <hr/> PODUNK LODE. Beginning at Cor. No. 1. Identical with Cor. No. 1 Aetna lode of this survey, whence Cor. No. 2 of the location bears N. 48° 46' E. 22 ft. The S. W. Cor. Sec. 17, T. 14 S., R. 69 W. of the 6th P. M., bears S. 38° 2' W. 1465. ft. <hr/> Thence S. 41° 14' E.
288.3	Intersect line 2-3 Hawley lode of this survey.
641.2	Intersect line 1-2 Aztec lode, unsurveyed, at N. 72° 43' E. 103.1 ft. from Cor. No. 1.
666.1	Intersect line 4-1 Hawley lode of this survey.
766.9	Intersect line 4-1 Sur. No. 7000, Ajax lode, at S. 7° 45' W. 910.9 ft. from Cor. No. 1.
969.5	Intersect line 3-4 Aztec lode, unsurveyed, at N. 72° 43' E. 236.3 ft. from Cor. No. 4.

FEET	
1164.7	Intersect line 2-3 Sur. No. 7000, Ajax lode, at N. 7° 45' E. 328.2 ft. from Cor. No. 3.
1500.	To Cor. No. 2. In Cumro creek. Identical with Cor. No. 2 Ætna lode of this survey, whence Cor. No. 3 of the location bears N. 48° 46' E. 22 ft.
	Thence S. 48° 46' W.
30.7	Witness corner to Cor. No. 2. Identical with witness corner to Cor. No. 2 Ætna lode, and with Cor. No. 14 Cumro placer, both of this survey.
250.	Witness corner to Cor. No. 3. A granite stone 30x20x4 ins., set 14 ins. in the ground, with mound of stone, chiseled W. C. 3-8000 A. whence A cedar stump 14 ins. diam., 2 ft. high, blazed and scribed B. S. W. C. 3-8000 A, bears N. 7° 56' W 8.4 ft. Pike's Peak bears N. 5° E.
278.	To Cor. No. 3. On face of inaccessible granite cliff. Identical with Cor. No. 4 of the location.
	Thence N. 41° 14' W.
37.	Cumro creek, 4 ft. wide, course S. 80° W.
155.	Intersect line 3-4 Sur. No. 7000, Ajax lode, at N. 82° 15' W. 46.3 ft. from Cor. No. 3.
491.3	Cor. No. 10. Cumro placer of this survey and intersect line 4-1 Sur. No. 7000 Ajax lode, at N. 7° 45' E. 220.7 ft. from Cor. No. 4.
1046.7	Cor. No. 9 Cumro placer and intersect line 4-1 Hawley lode, both of this survey.
1424.5	Intersect line 2-3 Hawley lode of this survey.
1500.	To Cor. No. 4. Identical with Cor. No. 5 Poorman lode of this survey and with Cor. No. 1 of the location.
	Thence N. 48° 46' E.
278.	To Cor. No. 1 the place of beginning.
	Variation at all corners of the Poorman, Ætna and Podunk lodes, 14° 30' E.

AREA.

Total area Hawley lode.....	8.710 acres
Area in conflict with	
Poorman lode of this survey.....	2.220 "
Sur. No. 7000, Ajax lode.....	.053 "
Aztec lode, unsurveyed,117 "
Aztec lode, unsurveyed (exclusive of its conflict with Sur. 7000, Ajax lode).....	.089 "

Total area Hawley lode.....	8.710 acres
Less area in conflict with	
Poorman lode of this survey.....	2.220 acres
Sur. No. 7000, Ajax lode.....	.053 "
Aztec lode, unsurveyed.....	.089 " 2.362 "
Net area Hawley lode.....	6.348 acres

Total area Ætna lode.....	10.331 acres
Area in conflict with	
Hawley lode of this survey.....	1.537 "
Sur. No. 7000, Ajax lode.....	2.738 "
Sur. No. 7000, Ajax lode (exclusive of its conflict with Hawley lode of this survey).....	2.685 "
Aztec lode, unsurveyed.....	2.261 "
Aztec lode, unsurveyed, (exclusive of its conflict with Hawley lode of this survey).....	2.167 "
Aztec lode, unsurveyed, (exclusive of its conflict with Sur. No. 7000, Ajax lode).....	.484 "
Aztec lode, unsurveyed, (exclusive of its conflict with Hawley lode of this survey and Sur. No. 7000, Ajax lode).....	.418 "

Total area Ætna lode.....	10.331 acres
Less area in conflict with	
Hawley lode of this survey.....	1.537 acres
Sur. No. 7000, Ajax lode.....	2.685 "
Aztec lode, unsurveyed.....	.418 " 4.640 "
Net area Ætna lode.....	5.691 acres

Total area Podunk lode.....	9.573 acres
Area in conflict with	
Hawley lode of this survey.....	2.411 "
Sur. No. 7000, Ajax lode.....	2.526 "
Aztec lode, unsurveyed.....	1.169 "

Aztec lode, unsurveyed, (exclusive of its conflict with Hawley lode of this survey)	1.147	acres
Aztec lode, unsurveyed, (exclusive of its conflict with Sur. No. 7000 Ajax lode)811	"
Aztec lode, unsurveyed, (exclusive of its conflict with Hawley lode of this survey and Sur. No. 7000, Ajax lode).....	.789	"
<hr/>		
Total area Podunk lode.....	9.573	acres
Less area in conflict with		
Hawley lode of this survey.....	2.411	acres
Sur. No. 7000 Ajax lode.....	2.516	"
Aztec lode, unsurveyed.....	.789	" = 5.716 "
<hr/>		
Net area Podunk lode.....	3.857	acres
Net area Hawley lode.....	6.348	"
Net area Aetna lode.....	5.691	"
Total and net area Poorman lode.....	10.331	"
<hr/>		
Net area lode claim.....	26.227	acres

FEET	<p style="text-align: center;">SURVEY No. 8000 B.</p> <p style="text-align: center;">POORMAN MILL-SITE.</p> <p>Beginning at Cor. No. 1.</p> <p style="padding-left: 20px;">A spruce post 5 ft. long, 4 ins. square, set 18 ins. in the ground, scribed 1-8000 B, whence</p> <p style="padding-left: 20px;">Cor. No. 6 Sur. No. 8000 A, Poorman lode, bears N. 50° 8' E. 3782. ft.</p> <p style="padding-left: 20px;">The N. E. Cor. Sec. 49, T. 14 S., R. 69 W. of the 6th P. M., bears N. 43° 48' E. 3416.9 ft.</p> <p style="text-align: center;"><hr style="width: 20%; margin: 0 auto;"/></p> <p style="padding-left: 40px;">Thence S. 85° 51' W.</p> <p>65. Cumro creek, 4 ft. wide, flows N. 65° W.</p> <p>858. Cumro creek, 4 ft. wide, flows South.</p> <p>921.2 To Cor. No. 2.</p> <p style="padding-left: 20px;">A granite stone 28x12x10 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-8000 B, whence</p> <p style="padding-left: 20px;">A pine 12 ins. dia., blazed and scribed B. T. 2-8000 B, bears West 9.5 ft.</p> <p style="text-align: center;"><hr style="width: 20%; margin: 0 auto;"/></p> <p style="padding-left: 40px;">Thence N. 37° 55' E.</p> <p>467.66 To Cor. No. 3.</p> <p style="padding-left: 20px;">A granite stone 30x12x8 ins. set 18 ins. in the ground, with mound of stone, chiseled 3-8000 B.</p>
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FEET 700.	Thence S. 64° 25' E. To Cor. No. 1, the place of beginning. <hr/> Containing 3.671 acres. <hr/> Variation at all corners 14° 45' E.
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The surveys of the Poorman and Ætna lodes and the Poorman mill-site are identical with the respective locations.

LOCATION.

This claim is located in the S. W. $\frac{1}{4}$ of Sec. 17, the N. E. $\frac{1}{4}$ of Sec. 19 and the N. W. $\frac{1}{4}$ of Sec. 20, T. 14 S. R. 69 W. of the 6th P. M.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimants and their grantors, is not less than five hundred dollars, and that said improvements consist of:

Placer workings, the center of the northeasterly end of which bears from Cor. No. 15, Cumro placer, N. 46° W. 285 ft., averaging 40 ft. wide and 8 ft. deep, and extending S. 62° W. 120 ft. along the bed of Cumro creek. Value \$800.

The discovery shaft of the Poorman lode, which bears from Cor. No. 5 N. 56° 48' W. 155.7 ft., 6x4 ft., 12 ft. deep. Value \$100.

The discovery cut of the Podunk lode, the face of which bears from Cor. No. 4 S. 88° 13' E. 205.2 ft., 5 ft. wide, 10 ft. face, running N. 50° E. 24 ft. in earth and rock. Value \$110.

The incline discovery shaft of the Ætna lode, the mouth of which is on the center line 75 ft. from the center of line 4-1, $1\frac{1}{2}$ x6 ft., 24 ft. deep in rock, timbered, course S. 48° W., dip 60°.

Value \$250.

The last 120 ft. of a tunnel, the mouth of which bears from Cor. No. 6, Poorman lode, N. 67° 48' E. 582 ft., 5x6 ft., running N. 10° 44' W. 515 ft. to breast. The point of discovery of the Hawley lode is in this tunnel 475 ft. from the mouth, and bears from Cor. No. 1 N. 75° 52' E. 702.5 ft. Value of last 120 ft. \$2,300.

This tunnel is in course of construction for the development of this claim and Surs. Nos. 6582 and 6583, Roy and Raymond lodes, claimants unknown. An undivided $\frac{1}{2}$ interest in the first 375 ft. of this tunnel has been credited to each of the last two mentioned surveys.

A shaft on the center line of the Hawley lode 672 ft. from the center of line 1-2, $3\frac{1}{2}$ x6 ft., 20 ft. deep in earth and rock, timbered, at the bottom of which is a drift 4x6 ft. running N. 86° E. 18 ft. Value of shaft and drift \$300.

The surface embraced by this claim ascends rapidly from the mouth of the tunnel towards Cor. No. 3 of the Poorman lode, the northerly ends of the Poorman, Ætna and Podunk lodes being from 300 to 500 ft. higher than the mouth of the tunnel. The veins of the Ætna and Podunk lodes dip about 60° to the S. W. The tunnel, described and included in the estimate of expenditure, continued in its present course, will cut the veins of the several locations at great depth, whereby by one system of workings and one plant of machinery the entire claim can be most advantageously and economically developed.

OTHER IMPROVEMENTS.

A shaft which bears from Cor. No. 20 Cumro placer, S. 48° 30' W. 305 ft., 3x5 ft., 12 ft. deep in earth and gravel A. K. Smith claimant.

A log cabin, the West corner of which bears from Cor. No. 13 Cumro placer, S. 40° E. 120 ft., 12x16 ft., course of long sides N. 44° E

A log cabin, the N. W. Cor. of which bears from Cor. No. 3 Sur. No. 8000 B, Poorman mill-site, S. 10° 40' E. 107 ft., 16 ft. square, course of sides S. 3° E. Said cabins belong to claimants herein.

INSTRUMENT.

This survey was made with a Gurley Light Mountain Transit. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with 50 ft. and 500 ft. steel tapes.

NOTE:—The disagreements between these field notes and the location certificates of the Hawley and Ætna lodes and the Poorman mill-site, with regard to the position of the discovery point and the course of the boundary lines, are due to errors in the latter.

NOTE:—Neither E. E. Ames nor myself, who appear as locators of the Hawley lode, held any interest, directly or indirectly, in this claim at the time of making the survey, having sold our interests in June, 1890.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by..... A. L. Hawley,.... United States Deputy Mineral Surveyor, to assist in running, measuring and marking the lines, corners and boundaries described in the foregoing field notes of the survey of the mining claim of.... T. E. Jenkins et al.,.... known as the.... Cumro placer and Poorman, Hawley, Ætna and Podunk lodes and Poorman mill-site,.... and showing the respective capacities in which they acted:

-, *Chainman.*
- E. E. AMES....., *Chainman.*
- ... G. W. TROMMLITZ....., *Axman.*
-, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We,.... E. E. Ames.... and.... G. W. Trommlitz,.... do solemnly swear that we assisted.... A. L. Hawley...., United States Deputy Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of.... T. E. Jenkins et al.,...., known as the.... Cumro placer and Poorman, Hawley, Ætna and Podunk lodes and Poorman mill-site...., represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor General for.... Colorado.....

-, *Chainman.*
- ... E. E. AMES....., *Chainman.*
- ... G. W. TROMMLITZ....., *Axman.*
-, *Flagman.*

Subscribed and sworn to by the above named persons before me this.... 13th.... day of.... February...., 1893.

[SEAL.] A. L. HAWLEY.....,
..... *Notary Public*.....,
..... *El Paso County, Colorado*....

My commission expires July 28th, 1896.

(4—686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I,..... A. L. Hawley....., U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for.... Colorado....., dated.... February 6th, 1893....., I have, in strict conformity to the laws of the United States, the official regulations and instructions there under, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of.... T. E. Jenkins et al....., known as the.... Cumro placer and Poorman, Hawley, Ætna and Podunk lodes and Poorman mill-site....., situate in.... Pike's Peak.... Mining District,.... El Paso.... County....., Colorado....., in Sections 17, 19 and 20....., Township No.... 14 S..... Range No.... 69 W. of the 6th P. M....., and designated as Survey No.... 8000 A and B....., as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of each location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimants or.... their.... grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.....

..... A. L. HAWLEY.....,

U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said.... A. L. Hawley....., U. S. Deputy Mineral Surveyor, before me..... a Justice of the Peace in and for El Paso County, Colorado,.... this.... 20th.... day of.... February....., 1893.

..... GEO. K. KIMBALL.....,

Justice of the Peace.

LOCATION CERTIFICATE—PLACER CLAIM.

KNOW ALL MEN BY THESE PRESENTS, That I, T. E. Jenkins, the undersigned citizen of the United States, resident of the County of Arapahoe and State of Colorado, having complied with the provisions of Chapter 6, Title XXXII of the Revised Statutes of the United States, and with local customs, laws and regulations, claim by right of discovery and location as a placer claim, the following described premises, situate, lying and being in Pike's Peak Mining District, County of El Paso, and State of Colorado, to-wit:

The S. E. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ and the S. $\frac{1}{2}$ of the S. W. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of Sec. 17, T. 14 S., R. 69 W. of the 6th P. M. To be known as the CUMRO PLACER.

Located May 1st, 1892.

Date of Certificate, June 4th, 1892.

T. E. JENKINS.

LOCATION CERTIFICATE—LODE CLAIM.

STATE OF COLORADO, }
COUNTY OF...EL PASO.... } ss.

KNOW ALL MEN BY THESE PRESENTS, That...O. F. Shattuck..., the undersigned, has this....4th....day of.....May...., 1892, located and claimed, and by these presents does locate and claim, by right of discovery and location, in compliance with the Mining Acts of Congress, approved May 10, 1872, and all subsequent acts, and with local customs, laws and regulations....1500....linear feet and horizontal measurement on the....Poorman....lode, vein ledge or deposit, along the vein thereof, with all its dips, angles and variations, as allowed by law, together with....150....feet on the.....westerly.....side and.....150 feet on the.....easterly.....side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges or deposits and surface ground within the lines of said claim,620....feet running....N. 48° 46' E....from center of discoveryshaft....and....880....feet running....S. 17° 38' W....from center of discovery....shaft....; said discovery....shaft....being situate upon said lode, vein, ledge or deposit, and within the lines of said claim, in....Pike's Peak....Mining District, County of....El Paso....and State of Colorado, described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1,....Whence Cor. to Secs. 17, 18, 19 and 20, T. 14 S., R. 69 W. bears S. 27° 28' E. 393.26 ft., thence N. 17° 38' E. 831.34 ft. to Cor. No. 2, thence N. 48° 46' E. 661.7 ft. to Cor. No. 3, thence S. 41° 14' E. 300 ft. to Cor. No. 4, thence S. 48° 46' W. 578 ft. to Cor. No. 5, thence S. 17° 38' W. 929.04 ft. to Cor. No. 6, thence N. 41° 14' W. 350.48 ft. to Cor. No. 1, the place of beginning.....

Said lode was discovered on the }O. F. SHATTUCK..... [SEAL.]
12th. day of..April., A. D. 1892. } [SEAL.]
Attest:..... } [SEAL.]
Date of location..May 4th., A. } [SEAL.]
D. 1892. } [SEAL.]
Date of Certificate..June 1st., } [SEAL.]
A. D. 1892. } [SEAL.]

AMENDED LOCATION CERTIFICATE—LAW OF 1889.

STATE OF COLORADO, }
COUNTY OF... EL PASO..., } ss.

KNOW ALL MEN BY THESE PRESENTS, That... A. L. Hawley and E. E. Ames..., the undersigned, have this... 4th... day of... May... 1888, amended, located and claimed and by these presents do amend, locate and claim, by right of discovery and amended location, in compliance with the Mining Acts of Congress, approved May 10, 1872, and all subsequent acts, and with Section 2409 of the General Laws of Colorado, and with local customs, laws and regulations, ... 1500... linear feet and horizontal measurement, on the ... Hawley ... lode, vein, ledge or deposit, along the vein thereof, with all its dips, angles and variations, as allowed by law, together with ... 150 feet on each side of the middle of said vein at the surface, so far as can be determined from present developments, and all veins, lodes, ledges or deposits and surface ground within the lines of said claim, ... 800 feet running ... easterly ... from center of discovery ... point in tunnel ..., and ... 700 ... feet running ... westerly ... from center of discovery ... point ..., said discovery ... point ... being situate upon said lode, vein, ledge or deposit, and within the lines of said claim in ... Pike's Peak ... Mining District, County of ... El Paso ..., and State of Colorado, described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1....whence Cor. to Secs. 17, 18, 19 and 20, T. 15 S., R. 69 W. bears S. 18° 4' E. 606.1 ft., thence N. 3° 48' E. 300 ft. to Cor. No. 2, thence N. 87° E. 1500 ft. to Cor. No. 3, thence S. 3° 48' W. 300 ft. to Cor. No. 4, thence S. 87° W. 1500 ft. to Cor. No. 1, the place of beginning.... This being the same lode originally located on the ... 17th ... day of ... September ..., 1886, and recorded on the ... 12th ... day of ... December ... 1886, in Book ... 4 ..., Page ... 48 ..., in the office of the Recorder of ... El Paso ... County. This further and amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting any errors in the original location, description or record.....

Said lode was discovered the... } A. L. HAWLEY [SEAL.]
.. 12th ..day of ..Sept. A. D. 1886. } E. E. AMES [SEAL.]
Attest: } [SEAL.]
Date of amended location .. May .. } [SEAL.]
.. 4th .., 1888. } [SEAL.]
Date of amended certificate } [SEAL.]
.. July 14th ..., A. D. 1888. } [SEAL.]

LOCATION CERTIFICATE—LODE CLAIM.

STATE OF COLORADO, }
COUNTY OF... EL PASO... } ss.

KNOW ALL MEN BY THESE PRESENTS, That... Grant Safely..., the undersigned, has this... 4th... day of... June..., 1892, located and claimed and by these presents does locate and claim, by right of discovery and location, in compliance with the Mining Acts of Congress, approved May 10, 1872, and all subsequent acts, and with local customs, laws and regulations,.... 1500... linear feet and horizontal measurement on the... Ætna... lode, vein, ledge or deposit, along the vein thereof, with all its dips, angles and variations, as allowed by law, together with... 150... feet on the... south westerly... side, and... 150... feet on the... north easterly... side of the middle of said vein at the surface, so far as can be determined from present developments; and all veins, lodes, ledges, or deposits and surface ground within the lines of said claim.... 75... feet running... N. 40° W... from center of discovery... cut... and 1425... feet running... S. 40° E... from center of discovery... cut...; said discovery... cut... being situate upon said lode, vein, ledge or deposit, and within the lines of said claim in... Pike's Peak... Mining District, County of... El Paso..., and State of Colorado, described by metes and bounds as follows, to-wit:—

Beginning at Corner No. 1... whence S. W. Cor. Sec. 17, T. 15 S., R. 69 W. bears S. 38° 2' E. 1465. ft., thence S. 40° E. 1500. ft. to Cor. No. 2, thence N. 50° E. 300. ft. to Cor. No. 3, thence N. 40° W. 1500. ft. to Cor. No. 4, thence S. 50° W. 300 ft. to Cor. No. 1, the place of beginning.....

Said lode was discovered on the... } GRANT SAFELY [SEAL]
1st. day of.. May..., A. D. 1892. } [SEAL]
Attest:..... } [SEAL]
Date of location.. June 4th., A. } [SEAL]
D., 1892. } [SEAL]
Date of certificate.. July 6th., A. } [SEAL]
D., 1892. } [SEAL]

LOCATION CERTIFICATE OF MILL-SITE.

To All Whom These Presents May Concern:

KNOW YE, That I, A. E. Lowe, of the County of Arapahoe and State of Colorado, do hereby declare and publish as a legal notice to all the world, that I have a valid right to the occupation, possession and enjoyment of all and singular that tract or parcel of land, not exceeding five acres, situate, lying and being in the County of El Paso and State of Colorado, bounded and described as follows:

POORMAN MILL-SITE.

Beginning at Cor. No. 1, whence the N. E. Cor. Sec. 19, T. 14 S., R. 69 W. bears N. 46° 48' E. 3416.9 ft., thence S. 85° 50' W. 921.2 ft. to Cor. No. 2, thence N. 37° 00' E. 467.66 ft. to Cor. No. 3, thence S. 64° 00' E. 700. ft. to Cor. No. 1, the place of beginning.

Containing 4 acres more or less.

Variation 14° 45' E.

Together with all and singular the hereditaments and appurtenances thereto belonging or in any wise appertaining.

Witness my hand and seal this 5th day of December, A. D. 1891.

[SEAL]

A. E. LOWE.

SURVEY NO. 8000 A.

TITLE PAGE TO REPORT UNDER CIRCULAR "N" OF SEPTEMBER 23, 1882.

REPORT

Under General Land Office Circular "N" of September 23, 1882, upon the Placer Mining Claim known as the...Cumro placer..., claimed by...T. E. Jenkins et al....., situate in...Pike's Peak...Mining District,...El Paso...County,...Colorado....., embracing...32.07 acres, and forming a portion of the S. $\frac{1}{2}$ of the S. W. $\frac{1}{4}$...in Sec....17...., Town....14 S...., Range....69 W. of the 6th P. M.....

Examination made....February 15th....1893.

.....By A. L. HAWLEY.....

U. S. Deputy Mineral Surveyor.

SURVEY NO. 8000 A.

CUMRO PLACER.

- a* The soil embraced in this claim consists of decomposed mineral bearing granite on the mountain slopes, and auriferous sand and gravel along the creek bottom, all covered with a thin layer of loam and alluvial supporting a scant growth of grass and sage brush, with scattering pine, spruce, cedar and cottonwood timber.
- b* The only stream passing through this claim is Cumro creek, 4 ft. wide and about 2 ft. deep, which crosses the extreme south-east corner.
- A log cabin, the West corner of which bears from Cor. No. 13 S. 40° E. 120 ft., 12x16 ft., course of long sides N. 44° E.
- c* The surface and underground workings on this claim consist of:
- A tunnel, the mouth of which bears from Cor. No. 7 N. 67° 48' E. 582. ft., 5x6 ft., running N. 10° 44' W. 515. ft. to breast.
- A shaft, which bears from Cor. No. 20 S. 48° 30' W. 305. ft., 3x5 ft., 12 ft. deep in earth and rock.
- Placer workings, the center of the northeasterly end of which bears from Cor No. 15 N. 46° W. 285. ft., averaging 40 ft. wide and 8 ft. deep, and extending S. 62° W. 120. ft. along the bed of Cumro creek.
- d* The nearest post-office to the claim is Jamestown, a mining camp of about 300 population, located on Brush creek about 2 miles south of the claim. The nearest railroad station is Tie Siding, a spur and flag station on the Denver, Apex and Western R. R., at the confluence of Cumro and Plum creeks, about 6 miles southwesterly from the claim.
- e* Other than the system of lode deposits adjoining and forming a part of this claim, there are none nearer than at Carbonate, situate about 4 miles to the northeast.
- f* This claim is peculiarly adapted for placer mining purposes inasmuch as the contour of the surface and the character and nature of the soil is such that it can be most advantageously

and cheaply worked by hydraulic giants and the tailings be rapidly and easily disposed of. Cumro creek carries about 50 cu. ft. of water per second during the dry season, being an abundance of water for working the claim. As yet no water has been taken upon the claim for its development, except in washing the placer workings hereinbefore described; but, by a survey it has been found that by a ditch not over one mile in length, water can be taken from Cumro creek onto the highest portions of the claim. It being the express intention of the claimants to work the claim in this manner.

g The works and expenditures made by the claimants for the development of the claim consist of the placer workings described under paragraph *c* of this report:

h There are no mines, salt licks, salt springs or mill seats upon this claim.

OATH OF U. S. DEPUTY MINERAL SURVEYOR

UNDER GENERAL LAND OFFICE CIRCULAR "N" OF SEPTEMBER 23, 1882.

I, A. L. Hawley , U. S. Deputy Mineral Surveyor, do solemnly swear that in pursuance of an order received from the U. S. Surveyor General for . . . Colorado , dated . . . February 6th . . . , 1893, I have made, under the provisions of General Land Office Circular "N," approved September 23, 1882, a personal and thorough examination, upon the premises, of the placer mining claim of . . . T. E. Jenkins et al. . . . known as the . . . Cumro placer , situate in . . . Pike's Peak . . . Mining District, . . . El Paso . . . County . . . Colorado , embracing . . . 32.07 acres and forming a portion of the S. $\frac{1}{2}$ of the S. W. $\frac{1}{4}$ of Sec. 17 , in Township No. 14 S. . . . , Range No. . . . 69 W. of the 6th P. M. . . . , and that my report of such examination, hereto attached, is specific and in detail, and is a full and true statement of the facts upon all the points specified in said circular.

. A. L. HAWLEY

U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said . . . A. L. Hawley , U. S. Deputy Mineral Surveyor, before me, . . . a notary public in and for El Paso County, Colorado , this . . . 20th . . . day of . . . February , 1893.

[SEAL]

. B. F. CLARK

. *Notary Public*

My commission expires December 20, 1893.

CORROBORATIVE AFFIDAVIT UNDER GENERAL LAND OFFICE CIRCULAR "N" OF SEPTEMBER 23, 1882.

STATE OF COLORADO,)
COUNTY OF... EL PASO...) ss.

... W. H. Wilson... and... J. P. Thompson..., being first duly sworn severally depose and say that he is personally and well acquainted with the placer mining claim of... T. E. Jenkins et al., ... known as the... Cumro placer... situate in... Pike's Peak... Mining District..., El Paso... County, Colorado..., embracing... 32.07 acres and forming a portion of the S. 1/2 of the S. W. 1/4 of Sec. 17, ... in Township No... 14 S..., Range No... 69 W. of the 6th P. M...; and also with the character of all the land included in said claim, and has been so acquainted for... 10 and 12... years last past; that his knowledge of said claim and land is derived from... prospecting the ground and working the claim..., and is such as to enable him to testify understandingly with regard thereto; that he has carefully read the foregoing report of... A. L. Hawley..., U. S. Deputy Mineral Surveyor, and that to his own personal knowledge said report is in all respects true and accurate.

..... W. H. WILSON.....

..... J. P. THOMPSON.....

Subscribed and sworn to by the above named persons this.....

20th... day of... February..., 1893.

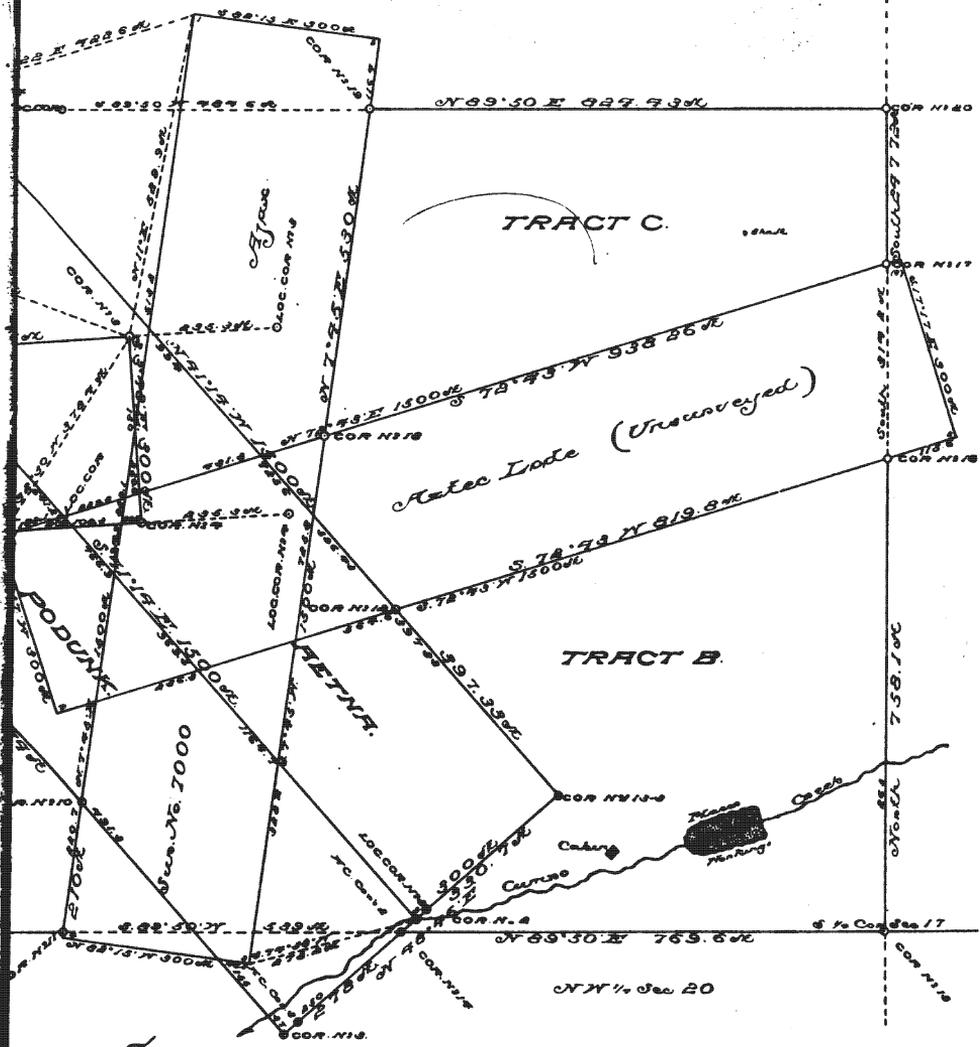
[SEAL.] B. F. CLARK.....

..... Notary Public.....

My commission expires December 20, 1893.

IMINARY PLAT.

N 1/4 Sec 17 T 19 S R 69 W



SURVEY NO. 8000 A & B. PUEBLO — LAND DISTRICT.

Surveyed February 9-12, 1893

by A. C. Hawley

U.S. Dep. Min. Surveyor

Per

APPENDIX.



CIRCULAR TO APPLICANTS

—FOR—

MINERAL SURVEY ORDERS

IN THE

DISTRICT OF COLORADO.

U. S. SURVEYOR GENERAL'S OFFICE.

MARCH 15, 1893.

CIRCULAR.

UNITED STATES SURVEYOR GENERAL'S OFFICE.

DENVER, COLORADO, JUNE 1, 1892.

*To Applicants for Mineral Survey Orders
in the District of Colorado:*

You will observe the following requirements in the conduct of your business with this office, the same being based upon the United States mining laws and circular and special instructions from the Hon. the Commissioner of the General Land Office.

1. All applications for survey orders, descriptive reports on placer claims, or certificates of five hundred dollars expenditure, should be addressed to the Surveyor General and be signed by the claimants, their agent or attorney.

2. Each application should contain:

(a) The name of the claimant in full, and as it is desired to appear in the application for patent.

(b) The name of each location embraced in the claim.

(c) The name of the land and mining districts in which the claim is located.

(d) The name of the U. S. Deputy Mineral Surveyor, to whom it is desired the order shall be issued.

3. You are required to file with each application for survey order, a copy of the record of location of the claim, properly certified by the Recorder having charge of the records of the mining locations in the county where the claim is situate.

4. The Deputy Mineral Surveyor is required to survey the claim in *strict conformity* with or *within* the lines of the location upon which the order of survey is based. You are, therefore, advised before filing your application to see that your location has been made in compliance with the law and regulations, and that it properly describes the claim for which the patent is sought.

The act of Congress of May 10th, 1872, expressly provides that "the location must be distinctly marked on the ground, so that its boundaries can be readily traced," and "that all records of mining claims hereafter made shall contain the name or names of the locators, the date of location, and such a description of the claim or claims, located by reference to some natural object or permanent monument, as will identify the claim."

“These provisions of the law must be strictly complied with in each case to entitle a claimant to a survey and patent, and therefore should a claimant under a location made *subsequent* to the passage of the mining act of May 10th, 1872, who has not complied with said requirements in regard to marking the location upon the ground, and recording the same, apply for a survey,” I “will decline to order it.”

“The only relief for a party under such circumstances, will be to make a new location in conformity to law and regulations, as no case will be approved by this office, unless these and all other provisions of law are substantially complied with.” See General Land Office circular dated Nov. 20, 1873.

5. Par. 99, General Land Office circular, last revised Dec. 10th, 1891, relating to the expense of office work connected with the survey of mineral claims, reads as follows:

“With regard to the *platting* of the claim and other *office work* in the Surveyor General’s office, that officer will make an estimate of the cost thereof, which amount the claimant will deposit with any assistant United States treasurer, or designated depository, in favor of the United States treasurer, to be passed to the credit of the fund created by ‘individual depositors for surveys of the public lands,’ and file with the Surveyor General duplicate certificates of such deposits in the usual manner.

6. The following is the estimated cost of platting and other office work in connection with the survey of mineral claims:

Lode Claim.....	\$25 00
Placer Claim.....	25 00
Mill-Site Claim.....	25 00
Mill-Site included in one survey with a Lode Claim.....	10 00
Each Lode Claim within and included in the survey of a Placer Claim.....	10 00
Several Lode or Placer locations included in one survey, each location.....	25 00
Descriptive report on Placer Claim taken by legal subdivisions	5 00

7. Should the office work in any case amount to more than the above estimate, or if an amended order is issued, an additional deposit will be required.

8. In districts where there are no United States depositories, you should deposit with the nearest assistant United States treasurer, or depository, and in all cases immediately forward the original certificate to the Secretary of the Treasury and the duplicate to this

office, retaining the triplicate for your own use and security. Under no circumstances will the deposit be made by the Surveyor General. See paragraph 5, preceeding.

9. An application for an amended survey order must be accompanied with a statement setting forth fully the reasons for the proposed amendment and all the material facts in the matter.

10. If after having obtained a survey order, you should abandon your purpose of having a survey made, you can apply the deposit, less the amount estimated for office expenses already incurred, on a new survey if one is desired.

11. Upon discovery of any error or defect in an order you are requested to return it to this office for correction or amendment.

12. If after having obtained an order for survey you should find that the record of location does not practically describe the location as staked upon the ground, you should file a certified copy of an amended location certificate, correctly describing the claim, and obtain an *amended order* for survey. If a relocation of the claim is made embracing ground not included in the original order, or other material change is made, you will abandon the original number of the order for survey, and a new order will be issued in which a number in the current series will be substituted.

13. The order of approval of surveys of mineral claims is prescribed by General Land Office circular, dated March 3, 1831, as follows:

“The mining survey first applied for shall have the priority of action in all its stages in the office of the Surveyor General, including the delivery thereof, over any other survey of the same ground or any portion thereof.”

“The Surveyor General should not order or authorize a survey of a claim which conflicts with one previously applied for until the survey first applied for has been completed, examined, approved and platted, and the plats delivered.”

“When the conflict does not appear until the field-notes of the respective surveys are returned, then the survey first applied for should be first examined, approved and platted, and the plats delivered before the field-notes of the survey last applied for are taken up for examination or plats constructed.”

“When the survey first authorized is not returned within a reasonable period, and the applicant for a conflicting survey makes affidavit that he believes (stating the reasons for his belief), that such

first applicant has abandoned his purpose of having a survey made, or is deferring it for vexatious purposes, to-wit, to postpone the subsequent applicant, the Surveyor General shall give notice of such charges to such first applicant, and call upon him for an explanation under oath of the delay. He shall also require the deputy mineral surveyor to make a full statement in writing, explanatory of the delay; and if the Surveyor General shall conclude that good and sufficient reasons for such delay do not exist, he shall authorize the applicant for the conflicting survey to proceed with the same; otherwise, the order of proceeding shall not be changed."

Whenever an applicant for a survey shall have reason to suppose that a conflicting claimant will also apply for a survey for patent, he may give a notice in writing to the Surveyor General particularly describing such conflicting claim, and file a copy of the notice of location of such conflicting claim. In such case the Surveyor General will not order or authorize any survey of such conflicting claim until the survey first applied for has been examined, completed, approved and platted, and the plats delivered."

14. Your attention is called to the first three paragraphs of General Land Office circular, dated December 4, 1884, as set forth in section 27 of Instructions to U. S. Deputy Mineral Surveyor. See page 11.

15. You have the option of employing any U. S. deputy mineral surveyor in the district to execute the order of survey, and must make satisfactory arrangements with such surveyor for the payment for his services and those of his assistants in making the survey, as the United States will not be held responsible for the payment of the same. The duty of the deputy surveyor in any particular case ceases when he has executed the survey and returned the same to this office. He is not allowed to prepare for the mining-claimant the papers in support of an application for patent, being precluded from acting either directly or indirectly as attorney in mineral claims.

16. You are advised of your right to appeal to the Hon. Commissioner of the General Land Office from the approval or disapproval of the survey of your claim. The appeal must be in writing or in print, should set forth in brief and clear terms the specific points of exception to the ruling appealed from and should be transmitted through this office.



United States Surveyor General.

STANFORD UNIVERSITY LIBRARY

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or before the date last stamped below.

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