



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, NOVEMBER 29, 1894.

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Regulations for granting Assistance towards Prospecting at Deep Levels, the Use of Diamond Drills, and the Construction of Water-races and Storage Reservoirs.

GLASGOW, Governor.

ORDER IN COUNCIL.

At the Government House, at Wellington, this twenty-ninth day of November, 1894.

Present:

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

IN pursuance and exercise of the powers and authorities vested in him by the second section of "The Mining Act 1891 Amendment Act, 1894," His Excellency the Governor of the Colony of New Zealand, acting by and with the advice and consent of the Executive Council of the said colony, doth hereby make the following regulations—(a) Prescribing the mode of application for assistance towards prospecting of deep levels; (b) the method of determining the site of any mining operations towards which assistance is sought; (c) the terms and conditions subject to which assistance may be given; (d) the definition of "deep levels," and the number and locality of deep levels that may be assisted; (e) the conditions as to the use of diamond drills in boring operations; (f) the requirements, capacities, and method of construction of water-races and storage reservoirs towards which assistance is sought—that is to say:—

REGULATIONS.

Mode of Application, and Method of determining the Site.

1. Any person desirous of obtaining assistance for prospecting deep levels shall make application in writing to the Minister of Mines (hereinafter called "the Minister"), stating the locality and nature of the work proposed to be done. The application shall be accompanied by a plan of the site of the intended prospecting operations, and a statement in detail showing (a) the mode in which it is proposed to carry on such operations; (b) the amount of money proposed to be expended; (c) the character and value of the machinery proposed to be erected; and (d) the total amount of assistance required. Should mining operations have been previously carried on in the ground proposed to be prospected at deep levels, the applicant shall also state (1) the amount of money already expended on such operations; (2) the character and value of the machinery already erected on the ground; and (3) the quantity and value of the gold extracted from the mine up to the date of application.

2. Before any application is granted the applicant must satisfy the Minister that the applicant's proportion of the total amount proposed to be expended is available; and upon being so satisfied the Minister shall, if he deem it advisable, obtain a joint report of two or more qualified officers

of the public service as to the probability of the operations proving successful, and that the proposed site is in the best locality for testing the deep levels in the district. The Minister may grant assistance not exceeding one-half of the total estimated cost of the proposed operations, or he may decline to grant any such assistance.

3. Progress-payments on account of assistance will be made from time to time as the work proceeds, on the certificate of an Inspector of Mines.

The Definition of "Deep Levels," and Number and Locality of Deep Levels that may be assisted.

4. A "deep level" to prospect quartz lodes shall mean any prospecting operations which may be undertaken to prospect auriferous lodes down to a depth of not less than 1,500ft. below the level of the natural surface of the ground.

5. A "deep level" in alluvial drift shall mean any prospecting operations which may be undertaken to prospect alluvial drifts at a depth of not less than 250ft. below the natural surface of the ground, where it is necessary to erect pumping machinery to lift not less than 250 gallons of water per minute.

6. The number of deep levels to which assistance may be granted shall be confined to three mining districts—namely, one in the North Island, one in the west of the Middle Island, and one in Otago; and not more than one deep level shall be assisted in any such district at one time.

Conditions as to the Use of Diamond Drills for Boring Operations for testing Auriferous or Argentiferous Lodes, or Strata where such Lodes are likely to be found.

7. Every application for the use of a diamond drill and its appliances shall be made in writing to the Minister, showing for what purpose it is required, and shall contain an undertaking on the part of the applicants, to the satisfaction of the Minister, to make good all damage to the drill and appliances, and all losses of diamonds, to keep the drill and appliances in good order and condition, and to return them to the Mines Department in a perfect state of repair whenever required by the Minister so to do.

8. On any application being approved by the Minister, the drill and appliances shall be handed over to the applicants, who shall undertake such removal thereof as may be necessary, and also the careful supervision of the boring operations.

9. A diamond drill shall not be worked except under the direct charge and supervision of a competent foreman holding an engine-driver's certificate. Such foreman shall be paid by the applicants, but shall be approved by and be under the control of the Minister, who may remove or dismiss him if in the Minister's opinion he be considered to have worked the drill or appliances in an improper manner, or to have been guilty of any misconduct in the

performance of his duties, or if his services shall be no longer required.

10. The applicants shall defray the cost of all necessary renewals and repairs and of the working and removal of the drill and appliances.

11. The Minister may allow the use of a drill and appliances free of rent, charges, &c., and may subsidise the persons employing the same in connection with prospecting for gold at deep levels to the extent of one-half the necessary expenses of renewals, repairs, and working, so long as the drill is employed in prospecting operations and not used for working a mine at a profit; but the cost of all necessary tubing shall be borne entirely by the persons employing the drill.

12. The amount of subsidy shall be based on approved vouchers of expenditure, and any claims for such expenditure may be amended or may be rejected if they appear to the Minister to be excessive or unreasonable.

13. The payment of subsidy up to the amount of £100 shall be deferred and the money be retained by the Minister until the drill and appliances are returned to the Mines Department, and any portion of the amount so retained shall, on the order of the Minister, be applied in making good any damage to or deficiency in the drill and appliances, and in defraying any expense incurred by the department through any breaches of the conditions on the part of the persons employing the drill.

14. The drill and appliances shall at all times be subject to the inspection and supervision of an Inspector of Mines, or any other qualified person the Minister may appoint, and boring operations shall be suspended or absolutely discontinued, and the drill and appliances shall be removed from the control of the persons using the same, at any time on the order of the Minister.

The Requirements, Capacities, and Method of Construction of Water-races and Storage Reservoirs.

15. Assistance by way of subsidy may be granted by the Minister towards the construction of water-races or storage reservoirs, on his being satisfied that the construction of such works will be for the benefit of the majority of the miners in the locality in which it is proposed to construct the same.

16. All applications for assistance for the construction of water-races shall be made to the Minister in writing, and shall be accompanied with detailed plans and longitudinal and cross sections of the ground where it is proposed to construct the water-races, together with the dimensions of the channels, the length of tunnels, open ditching, and fluming to be constructed on the line of such water-race, and a statement in detail of the cost of the proposed work. On receipt of such application the Minister shall cause an examination to be made and a report furnished to him by a qualified officer of the public service as to the extent and character of auriferous ground such water-races would be likely to command, and generally as to the proposed works. After receiving such report, and upon being satisfied that the applicant's proportion of the cost is available, the Minister may grant a subsidy towards the proposed work; but such subsidy shall in no case exceed one-third the total cost of constructing such work; or he may refuse to grant any subsidy.

17. No assistance shall be given to any person towards the construction of any water-race if the carrying-capacity is less than twenty sluice-heads of water, nor to any person constructing a reservoir having a storage-capacity of less than 20,000,000 cubic feet of water.

18. All applications for assistance towards the construction of water-races or storage reservoirs shall be accompanied with a statement showing the source of supply from which it is proposed to take the water; the area and estimated depth of proved auriferous ground that such water-race or reservoir would command; the number of miners actually engaged in carrying on mining operations within such area; and the extra number of miners that could be profitably employed if such water-race or reservoir were constructed.

19. Any person applying for assistance towards the construction of a storage reservoir shall forward a plan and sections of the work proposed to be executed, and also of the site, together with a specification showing how it is proposed to execute the works, and what is the total estimated cost of the same.

20. On receipt of such application the Minister, if satisfied that such storage reservoir is required for the further development of the mining industry, and that the applicant's proportion of the cost is available, may grant assistance to the extent of not more than one-third of the total cost, or he may decline to grant any assistance.

21. Before any assistance is granted towards the construction of any water-race or storage reservoir the rates to be charged for water from such water-race or storage reservoir shall be submitted to and approved by the Minister.

ALEX. WILLIS,
Clerk of the Executive Council.

Regulations for Special Dredging Claims below Low-water Mark, and for granting Certificates to Mine-managers and Battery Superintendents.

GLASGOW, Governor.

WHEREAS by the three hundred and forty-first section of "The Mining Act, 1891," it is enacted that it shall be lawful for the Governor, subject to the provisions of the said Act, from time to time to make, alter, amend, and revoke regulations for all or any of the purposes therein mentioned:

And whereas, in pursuance and exercise of the hereinbefore in part recited authority, regulations were made on the twenty-third day of December, one thousand eight hundred and ninety-one, and came into operation on the first day of January, one thousand eight hundred and ninety-two: And whereas it is desirable to revoke certain of the said regulations and the schedules thereto as hereinafter set forth, and to make other regulations and schedules in lieu thereof:

Now, therefore, I, David, Earl of Glasgow, the Governor of the Colony of New Zealand, in pursuance of the powers and authorities conferred on me by the in part recited Act, do hereby revoke Part XXX., Nos. 280 to 289, inclusive, and the schedules therein referred to, being Nos. 45 to 51, inclusive, of the aforesaid regulations of the twenty-third day of December, one thousand eight hundred and ninety-one; and in lieu thereof I do, in pursuance and exercise of the powers and authorities conferred upon me by the three hundred and forty-first section of "The Mining Act, 1891," and the eighth section of "The Mining Act Amendment Act, 1894," make the regulations and schedules herein set forth, that is to say:—

PART I.—REGULATIONS FOR GRANTING SPECIAL DREDGING CLAIMS BELOW LOW-WATER MARK.

1. All special dredging claims below low-water mark shall be subject to the regulations for special claims and licensed holdings, unless otherwise hereinafter specially provided, in addition to such terms and conditions as may be prescribed by the Warden: Provided that if at any time, in the opinion of the Warden, navigation is likely to be injuriously affected, he may impose such additional conditions as he may deem advisable, and, subject to the approval of the Minister, may cause mining operations on any special dredging claim to be suspended; but no claim to or right of compensation shall accrue to any person in respect of any such suspension.

2. The extent of any such special dredging claim shall not exceed one mile of frontage on the foreshore, but there shall be no limit to the extent seawards at right angles to the line of pegs on the foreshore.

3. The claim shall be marked by two pegs, one at each end of the foreshore, above high-water mark, such pegs to be not less than 4 inches square, and to stand at least 2 feet above the surface of the ground.

4. There shall at all times be at least ten men employed on every such special dredging claim, and failure to comply with this provision shall render the claim liable to forfeiture.

PART II.—REGULATIONS FOR GRANTING CERTIFICATES OF MINE-MANAGERS AND BATTERY SUPERINTENDENTS.

5. The Chairman of the Board of Examiners, appointed by the Governor, shall preside at all meetings of the Board; but in the absence of the Chairman the Board may appoint any one of its number to act as Chairman during such absence: and the said Board, at all meetings, of which four shall form a quorum, may transact any business in connection with the examinations of mine-managers and battery superintendents, and the granting of certificates on the results of such examinations; and shall examine, or cause to be examined, any applicant for certificate of mine-manager or battery superintendent, on the subjects hereinafter specified.

6. The said Board may appoint supervisors from time to time to conduct such examinations, and shall grant certificates, in the form set forth in Schedules 1, 2, and 5 hereto annexed, to such persons as shall have passed the prescribed examinations, and shall have produced certificates of character and otherwise to the satisfaction of the said Board.

7. Every application to pass an examination with the view of obtaining a certificate as a mine-manager or as a battery superintendent shall be made in writing under the hand of the applicant to the Secretary of the Board of Examiners, Mines Department, Wellington, accompanied with a fee of £1 sterling, together with a certificate that the applicant is not less than twenty-one years of age, and, in the case of a certificate as a mine-manager, that he has been employed for a period of not less than three years in

underground workings connected with mining, and, in the case of a certificate as a battery superintendent, that he has been employed for a period of twelve months at a crushing-battery where for that period cyanide of potassium was continuously used in the extraction of gold or silver from ores.

8. The said Board may grant mine-managers' or battery superintendents' certificates, without examination, in the forms set forth in Schedules 3 and 4 hereto annexed, to any persons of good repute who have complied with the provisions of section 316 of "The Mining Act, 1891," and section 7 of "The Mining Act Amendment Act, 1894," if it is fully satisfied that such persons are entitled to receive a mine-manager's certificate or battery superintendent's certificate, as the case may be.

9. Every application for a certificate of a mine-manager under section 316 of "The Mining Act, 1891," without examination, shall be made in writing to the Secretary of the Board of Examiners, Mines Department, Wellington, accompanied with a fee of 10s., together with the necessary certificates as required by the section of the Act herein referred to.

10. Every application for a certificate of a battery superintendent under section 7 of "The Mining Act Amendment Act, 1894," without examination, shall be made in writing to the Secretary of the Board of Examiners, Mines Department, Wellington, not later than the 1st day of January, 1895, accompanied with a fee of £1, together with certificates from the applicant's former employers that he has been for a period of twelve months actually and continuously in charge of the machinery and appliances of a mine in which for that period cyanide of potassium was continuously used in the extraction of gold or silver from ores.

11. Each member of the Board of Examiners who is not otherwise employed in any department of the public service shall receive, by way of allowance, the sum of £1 1s. sterling for each and every day he is absent from his abode in attendance at a meeting of the Board of Examiners. Each member shall also be repaid any moneys expended in railway- and steamboat-fares and actual hotel-expenses for board and lodging while so absent as aforesaid: Provided that due diligence is exercised in travelling.

First-class Certificates for Mine-managers.

12. The subjects of examination for first-class certificates for mine-managers shall be as follows:—

- (a.) The laying-out and construction of shafts, chambers, main drives or levels, adits, uprisers, and stopes.
- (b.) The timbering of shafts, adits, main drives or levels, passes, stopes, and generally the systems of timbering mines and filling up old workings.
- (c.) Pumping appliances and the drainage of mines.
- (d.) The haulage in shafts and on underground planes; also the strength of haulage ropes and chains.
- (e.) The ventilation of mines and composition of gases.
- (f.) Tapping water in mines, and the mode of constructing dams in underground workings to keep the water back.
- (g.) Blasting and the use of explosives.
- (h.) The effect that faults, slides, and mullock-bars have on lodes, and how to ascertain the direction of slides and heavals.
- (i.) A knowledge of underground surveying, and of making plans of the underground workings, showing the dip or inclination and strike of the reefs or lodes.
- (j.) A knowledge of the different rocks where gold, silver, tin, copper, zinc, lead, and antimony are found, and the formation of lodes and leads.
- (k.) A knowledge of arithmetic and the method of keeping accounts.
- (l.) A knowledge of Part VI. of "The Mining Act, 1891."

Second-class Certificates for Mine-managers.

13. The subjects of examination for second-class certificates for mine-managers shall be as follows:—

- (a.) The laying-out and construction of shafts, chambers, main drives or levels, adits, uprisers, and stopes.
- (b.) The timbering of shafts, adits, main drives or levels, passes, stopes, and generally the systems of timbering mines, and filling up old workings.
- (c.) The ventilation of mines.
- (d.) Tapping water in mines.
- (e.) Blasting and the use of explosives.
- (f.) A knowledge of arithmetic and the method of keeping accounts.
- (g.) A knowledge of Part VI. of "The Mining Act, 1891."

Certificates for Battery Superintendents.

14. The subjects of examination for certificates for battery superintendents shall be as follows:—

Ore-crushing machinery:—

- (a.) The different modes of reducing and pulverising ores.
- (b.) Amalgamating-machines.
- (c.) The use of quicksilver, and methods of using it in connection with the extraction of gold and silver from ores.
- (d.) Lixiviation process of recovering gold and silver from ores.
- (e.) Chlorination process of recovering gold from ores.
- (f.) The sampling and testing of ores.
- (g.) A knowledge of arithmetic and the method of keeping accounts.
- (h.) A knowledge of Part VI. of "The Mining Act, 1891."

FIRST SCHEDULE (Reg. 6).

First-class Mine-manager's Certificate.

By Examination.

Office of Board of Examiners,

No. , of Wellington, 18 .

Signature of holder of certificate : THIS is to certify that , of , having produced a certificate from his previous employers that he has been actually engaged in underground workings in a* mine for a period of not less than three years, and having passed a satisfactory examination as a mine-manager for a* mine, as required by sections 313 and 314 of "The Mining Act, 1891," and the regulations made thereunder, is entitled to a first-class certificate of competency as such mine-manager as aforesaid, and this certificate is issued to him accordingly.

Chairman of Board of Examiners.

Entered, Vol. , folio .

Secretary.

* Fill in whether quartz or alluvial.

SECOND SCHEDULE (Reg. 6).

Second-class Mine-manager's Certificate.

By Examination.

Office of Board of Examiners,

No. , of Wellington, 18 .

Signature of holder of certificate : THIS is to certify that , of , having produced a certificate from his previous employers that he has been actually engaged in underground workings in a* mine for a period of not less than three years, and having passed a satisfactory examination as a mine-manager for a* mine, as required by sections 313 and 314 of "The Mining Act, 1891," and the regulations made thereunder, is entitled to a second-class certificate of competency as such mine-manager as aforesaid, and this certificate is issued to him accordingly.

Chairman of Board of Examiners.

Entered, Vol. , folio .

Secretary.

* Fill in whether quartz or alluvial.

THIRD SCHEDULE (Reg. 8).

Mine-manager's Certificate of Competency.

Without undergoing Examination.

Office of Board of Examiners,

No. , of Wellington, 18 .

Signature of holder of certificate : THIS is to certify that , of , having produced a mine-manager's certificate of competency from a recognised authority outside the colony, and having satisfied the examiners of his *bona fides*, is entitled to a* certificate of competency as manager of a† mine, under the provisions of section 316 of "The Mining Act, 1891," without undergoing examination, and this certificate is issued to him accordingly.

Chairman of Board of Examiners.

Entered, Vol. , folio .

Secretary

* First- or second-class, as the case may be.

† Fill in whether quartz or alluvia

FOURTH SCHEDULE (Reg. 8).

Battery Superintendent's Certificate.
Without undergoing Examination.

THIS is to certify that _____, of _____, having produced a certificate from his previous employer that he has been, for a period of twelve months prior to the 1st of January, 1895, actually and continuously in charge of the machinery and appliances of a mine in which for that period cyanide of potassium was continuously used in extracting gold or silver from ores, and having made application in this behalf not later than the said 1st day of January, 1895, is entitled to a battery superintendent's certificate, under the provisions of section 7 of "The Mining Act 1891 Amendment Act, 1894," without undergoing examination, and this certificate is issued to him accordingly.

Chairman of Board of Examiners.

Entered, Vol. _____, folio _____

Secretary.

Signature of holder of certificate:

FIFTH SCHEDULE (Reg. 6).

Battery Superintendent's Certificate.
By Examination.

THIS is to certify that _____, of _____, having produced a certificate from his previous employer that he has been for a period of twelve months employed at a crushing-battery where for that period cyanide of potassium was continuously used in the extraction of gold or silver from ores, and having passed a satisfactory examination as a battery superintendent, as required by section 7 of "The Mining Act 1891 Amendment Act, 1894," is entitled to a battery superintendent's certificate, and this certificate is issued to him accordingly.

Chairman of Board of Examiners.

Entered, Vol. _____, folio _____

Secretary.

As witness the hand of His Excellency the Governor, this twenty-ninth day of November, one thousand eight hundred and ninety-four.

A. J. CADMAN,
Minister of Mines.

Signature of holder of certificate: