

once each year should a complete examination be made. The particulars of each examination should be entered as they occur, and twice a year abstracts in some clear and condensed form should be forwarded to the Chief Office. Twice a year the Engineer Surveyor should visit the field, and carefully examine the records of examinations in detail, and satisfy himself that the duties have been properly conducted, and make what personal inspection is necessary. The Sub-Inspector should supervise, on the part of the Government, all important repairs to boilers and the manufacture of new work, and apply the proper tests. Permanent certificates should be issued from the Chief Office, and be countersigned by the Sub-Inspector on each occasion of a satisfactory examination. Certificates should be withdrawn, should occasion arise, by order from the Chief Office.

Boiler attendants should be examined by the Sub-Inspector in a practical manner, and receive certificates from him according to their qualifications, only those having such to be eligible for employment in tending boilers.

Such is an outline of a scheme calculated to effect, we believe, great good on the field. Although not likely to be self-supporting, yet the fees payable annually in proportion to the power would go considerably in that direction; and as soon as the success of the measure is established, its provisions can be applied to steam power generally, and not confined to the gold field, when, we doubt not, the charge on the State would be very small.

In conclusion, we have to express our thanks for the great readiness with which our inquiries were seconded by all on the gold field with whom we were brought in contact.

Certified under our hands at Auckland, this 24th day of April, 1874.

CHARLES O'NEILL, Chairman.

JAMES STEWART.

JOSEPH NANCARROW.

RETURN showing the Number of STEAM ENGINES in use on the THAMES GOLD FIELD for Mining Purposes, and the Power.

	H.P.		H.P.
1. Flora Macdonald	14	Brought forward	914
2. Brown and Campbell	40	25. Weston's	21
3. Clarkson's	12	26. Criterion	25
4. Kurunui	30	27. Hand in Band	8
5. Shotover	18	28. Waiotahi	20
6. Herald	22	29. Souter's	15
7. Caledonian	113	30. Golden Crown	70
8. Prince Alfred	14	31. Eglinton	6
9. United Pumping	303	32. Spencer and Hall	6
10. Pyrites Reduction	20	33. Prince Imperial	10
11. Imperial Crown	50	34. Little and Good	6
12. Manukau	32	35. Bright Smile	45
13. Tramway	10	36. Bull's	10
14. Golden Calf	12	37. Una	16
15. Central Italy	20	38. Perry's	12
16. Nonpareil	15	39. Lucky Hit	20
17. Waitemata	14	40. Raithby and Muir	6
18. Morning Star	20	41. Greenway's	8
19. Middle Star	12	42. Albion	40
20. Moanataiari	75	43. Waiomo	8
21. Whau	15	44. Vickery's	10
22. Alburnia	21	45. Grove's	7
23. Pioneer	8		
24. Ballarat and Clunes	24	Total	1,283

RETURN showing the Number of STEAM ENGINES in use on the COROMANDEL GOLD FIELD for Mining Purposes, and the Power.

	H.P.		H.P.
1. New Zealand Quartz Crushing Co. ..	24	6. Kapanga Gold Mining Co. ..	120
2. Ditto ditto	24	7. Ditto ditto	12
3. Golconda Gold Mining Co. ..	14	8. Union Beach	12
4. Tokatea Gold Mining Co. ..	12		
5. Reduction Works	2	Total	220

	TOTALS.	NO.	H.P.
Thames Gold Field	..	45	1,283
Coromandel Gold Field	..	8	220
Grand totals	..	54	1,503