

Electrically Driven Pumps.

Several of the most important mines throughout the Dominion are putting down electrically driven pumps, or have already done so, and as the application of this power for such a purpose is an innovation in this country the following table has been prepared by the writer for the purpose of illustrating the type of pump generally favoured :—

Name of Mine.	Type of Pump.	Estimated Height to be pumped.	Estimated Capacity in Gallons per Minute.
Waihi Grand Junction ...	Sulzer vertical 3-stage turbine	250 ft. ...	666.
Waihi Gold-mining Company ...	Three-throw ram ...	600 ft. ...	1,500.
Barewood Gold-mining Company...	Three-throw ram ...	600 ft. ...	
New Zealand Crown Mines ...	Duplex ram (2 units)	1,000 ft. (2 stages)	1,135.
Talisman Consolidated ...	Cornish ...	...
Ross Goldfields (Limited) (alluvial)	Multi-stage Worthington turbine (4 units)	400 ft. ...	3,500.

(2.) DREDGE MINING.

During the past year, as will be seen from the following statement, the average yield per working dredge was £3,039, being a decline of £239 on that obtained during the previous year; a decline of £45,816 has to be recorded in the value of gold-production by dredges, and the number of working dredges has decreased by five.

The following statement shows the number of dredges, the gold produced by them, and the number of persons employed during 1907 and 1908 :—

Inspection District.				Number of Dredges.				Number of Persons ordinarily employed.	Yield during 1908.	Average Yield per Dredge, 1908.
				1907.		1908.				
				Idle.	At work.	Idle.	At work.			
West Coast	...	...	...	2	25	4	23	196	£ 75,670	£ 3,290
Southern	...	...	...	35	103	13	100	817	298,148	2,981
Totals	...	...	...	37	128	17	123	1,013	373,818	3,039

The dividends paid by forty-one of these dredges, the property of registered companies, amounted to £75,050 during the year; the profits of privately owned dredges is unobtainable.

The following is a statement regarding the most productive dredges during the year :—

Name of Dredge.	Production during 1908 of all Dredges.	Dividends paid by Forty-three Dredges owned by Registered Companies.	
		During 1908.	To 31st December, 1908.
West Coast District—	£	£	£
No Town Creek ...	7,174	3,000	23,400
Pactolus (2 dredges) ...	14,391	8,125	56,250
Southern District—			
Alexandra Eureka ...	5,012	2,400	18,450
Golden Treasure ...	5,847	2,445	23,439
Koputai ...	6,952	2,538	4,813
Manuherikia ...	5,145	2,100	30,600
Masterton ...	9,206	5,500	25,000
Mystery Flat ...	9,873	6,614	20,119
Otago (3 dredges) ...	5,621	1,250	16,000
Paterson's Freehold ...	7,669	3,600	13,200
Rise and Shine ...	14,414	5,700	15,600
Rising Sun ...	8,567	3,600	8,000
Waikaia ...	8,113	4,550	10,500
Waikaka Syndicate ...	5,735	1,400	13,300
Waikaka United (2 dredges) ...	11,767	7,000	33,600
Waikaka Queen ...	4,345	1,590	4,628
Other working dredges (both districts) ...	243,987	14,408	377,007
Totals ...	373,818	75,820	693,906