

REVENUE DIRECTLY DERIVED FROM THE GOLD-FIELDS DURING THE YEAR 1879:—

	£	s.	d.
Amount received for Miners' Rights	4,989	10	0
Amount received for Business Licences	570	0	0
Amount received for Leases of Auriferous and Mineral Lands	9,278	16	9
Amount received for Water-right and Searching Licences	803	10	0
Total	£15,641	16	9

NOTE.—Moneys received from holders of and applicants for Mining Leases under the heads of fees, fines, and forfeitures, are not included in this return.

LENGTH OF WATER-RACES AND THEIR APPROXIMATE COST,
ON THE 31ST OF DECEMBER, 1879.

Mining districts.	Length of races.	Approximate cost.		
	miles chains	£	s.	d.
Ararat	113 0	7,260	0	0
Ballarat	289 25	31,040	0	0
Beechworth	962 0	167,700	0	0
Castlemaine	233 12	17,702	0	0
Gippsland	162 19	10,316	0	0
Maryborough	107 37	1,778	0	0
Sandhurst	69 0	6,400	0	0
Totals	1,936 13	242,196	0	0

NOTE.—The great cost of races in some districts as compared with others is due to the construction of very expensive tunnels and tail-races.

The following particulars, which have been collected by the Mining Surveyors and Registrars, relate to the weight and cost of the stamp-heads and shanks or lifters made use of in some of the principal gold-mines in the several mining districts, and supply additional information connected with the process of crushing quartz during the year 1879.

Ararat district: stamp-heads and shanks vary in weight from 2 to 9 cwt., and cost 1*l.* 2*s.* to 4*l.* per cwt.; fall of the stamp-head, 6 to 10 in.; number of strokes made per minute, 60 to 75; quantity of quartz crushed per head per diem of 24 hours, 1 ton to 2 ton 10 cwt.; number of holes per sq. in. in the gratings used, 120 to 342; horse-power required to work each stamper, 0·5 to 1·25; quantity of water used per stamp-head in crushing, 160 to 900 gal. per hour; quantity of mercury used in the ripples per stamper, 20 to 70 lb.; quantity of mercury lost per stamp-head per week, 1·0 to 29 oz.

Ballarat district: stamp-heads and shanks vary in weight from 5 to 11 cwt., and cost 12*s.* 6*d.* to 1*l.* per cwt.; fall of stamp-head, 6 to 11 in.; number of strokes made per minute, 50 to 85; quantity of quartz crushed per head per diem of 24 hours, 1 ton to 3 ton 13 cwt.; number of holes per sq. in. in the gratings used, 64 to 256; horse-power required