

It is further alleged that it is by far the quickest borer, and is capable of putting down a 7-inch bore-hole over 6,000ft. in eighteen months. This department communicated with the Agent-General in London to obtain full particulars respecting this kind of drill; but the answers obtained to inquiries made of commercial firms in different parts of Germany go to show that, whilst the German drill would be a useful machine for boring in alluviums for water or for deep leads of gold, where basaltic rock had not to be penetrated, it would not be suitable for such work as the diamond drills have hitherto done in Victoria.

Water-boring Machines.

In addition to the diamond drills the department employs two descriptions of water-boring machines namely, the Tiffin machines and those known as Wright and Edward's. A short synopsis of the work done by these machines will be found in Appendix E.

I have, &c.,

C. W. LANGTREE,

Acting Secretary for Mines and Water Supply.

The Hon. the Minister of Mines, Victoria.

SYNOPSIS of BORING done with the Diamond Drills up to 30th June, 1884.

				Total No. of Bores put down.	Aggregate Depth of Bores. Ft. in.
Surface-Drill No. 1	...	...	...	32	8,920 9
Surface-Drill No. 2	...	...	...	43	14,105 0
Surface-Drill No. 3	...	...	...	31	11,596 8
Surface-Drill No. 4	...	...	...	8	2,793 8½
Surface-Drill No. 5	...	...	...	8	2,700 0
Surface-Drill No. 6	...	...	...	9	3,668 9¾
Surface-Drill No. 7	...	...	...	19	7,495 1
Surface-Drill No. 8	...	...	...	4	2,154 6
Surface-Drill No. 9	...	...	...	5	4,409 10
Surface-Drill No. 10	...	...	...	2	2,210 0½
Totals	...	...	...	161	60,054 4¾

				Total No. of Bores put in.	Aggregate Depth of Bores. Ft. in.
Underground-Drill No. 1	...	...	...	13	5,593 4
Underground-Drill No. 2	...	...	...	3	1,111 1
Underground-Drill No. 3	...	...	...	6	1,938 5
Underground-Drill No. 4	...	...	...	3	1,221 8
Underground-Drill No. 5	...	...	...	11	4,447 9½
Totals	...	...	...	36	14,312 3½

				Ft.	in.	Miles.	yds.	ft.	in.
Surface-Drills bored	...	...	...	60,054	4¾	or 11	658	0	4¾
Underground-Drills bored	...	...	...	14,312	4½	or 2	1,250	2	3½
Total boring done	...	...	...	74,366	9¼	or 14	148	2	8¼

NOTE.—The appendices and contracts referred to in Mr. Langtree's report are attached to the Victorian Report on Diamond Drills.

By Authority: GEORGE DIBSBURY, Government Printer, Wellington.—1885.