It is ferther 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.

				IMMINIOTICE IL		-	OUDIL				
				Total	Total No. of Bores				Aggregate Depth		
	. put down.					of Bores.					
										t.	in.
Surface-Drill N		• • •	• • •		32				8,9	20	9
Surface-Drill N		• • •		•••	43				14,1	05	0
Surface-Drill N	√o. 3	• • •			31				11,5	96	8
Surface-Drill N	Vo. 4	•••	• • •	• • •	8				2,7	93	8 1
Surface-Drill N	Йо. 5			• • •	8				2,7	00	0
Surface-Drill N	No. 6	•••	•••		9				3,6	68	$9\frac{3}{4}$
Surface-Drill N	Vo. 7				19				7,4	95	1
Surface-Drill N	₹o. 8				4				2,1	54	6
Surface-Drill N	No. 9	•••			5				4,4	09	10
Surface-Drill N	No. 10			• • •	2				2,2	10	$0\frac{1}{2}$
Γ	Cotals			•••	161				60,0	54	43
									- • , -		
	Total No. of Bores					Aggregate Depth					
				Tota		pores		A			
				7.018	put in.	Dores		A	of I	Bore	es.
TT 7	D:11 NT.	. 1		7.018	put in.	Dores		A	of I	Bore 5.	es. in.
Underground-l	Drill No	o. 1			put in. 13	Bores	•	A	of 1 Ft 5,5	Bore 5. 93	in. 4
Underground-I	Drill No	o. 2			put in. 13 3			A	of 1 Ft 5,5 1,1	Bore 5. 593 11	in. 4 1
Underground-I Underground-I	Drill No Drill No	o. 2 o. 3			13 3 6			A	of I Ft 5,5 1,1 1,9	Bore 5. 193 11 38	in. 4 1 5
Underground-l Underground-l Underground-l	Drill No Drill No Drill No	o. 2 o. 3 o. 4			put in. 13 3 6 3			A	of 1 Ft 5,5 1,1	Bore 5. 193 11 38	in. 4 1 5
Underground-I Underground-I	Drill No Drill No Drill No	o. 2 o. 3 o. 4			13 3 6		•	A	of I Ft 5,5 1,1 1,9	Bore 5. 193 11 38 21	in. 4 1 5
Underground-l Underground-l Underground-l Underground-l	Drill No Drill No Drill No Drill No	o. 2 o. 3 o. 4 c. 5			put in. 13 3 6 3 11	••	•	A	of I Ft 5,5 1,1 1,9 1,2	Bore 5. 193 11 38 21	in. 4 1 5
Underground-l Underground-l Underground-l Underground-l	Drill No Drill No Drill No	o. 2 o. 3 o. 4 c. 5			put in. 13 3 6 3	••	•		of I Ft 5,5 1,1 1,9 1,2	Bore 5. 11 138 221 47	os. in. 4 1 5 8 9 1
Underground-l Underground-l Underground-l Underground-l	Drill No Drill No Drill No Drill No	o. 2 o. 3 o. 4 c. 5			put in. 13 3 6 3 11	••	•		of 1 5,5 1,1 1,9 1,2 4,4	Bore 5. 11 138 221 47	in. 4 1 5
Underground-l Underground-l Underground-l Underground-l	Drill No Drill No Drill No Drill No	o. 2 o. 3 o. 4 c. 5			put in. 13 3 6 3 11 36 —		•		of 1 Ft 5,5 1,1 1,9 1,2 4,4 14,3	Bore 5. 93 11 38 21 47	es. in. 4 1 5 8 9½ 3½
Underground-1 Underground-1 Underground-1 Underground-1	Drill No Drill No Drill No Drill No Fotals	o. 2 o. 3 o. 4 o. 5		 	put in. 13 3 6 3 11 — 36 — in.				of 1 Ft 5,5 1,1 1,9 1,2 4,4 14,3 yds.	Bore 5. 93 11 938 21 47 12	es. in. 4 1 5 8 9½ 3½ in.
Underground-I Underground-I Underground-I Underground-I	Drill No Drill No Drill No Drill No Fotals	o. 2 o. 3 o. 4 c. 5	•••	 Ft. 60,054	put in. 13 3 6 3 11 36 in. 43 4,	 	Miles. 11		of 1 Ft 5,5 1,1 1,9 1,2 4,4 14,3 yds. 658	11 138 121 47 12 ft.	es. in. 4 1 5 8 9½ 3½ in. 434
Underground-1 Underground-1 Underground-1 Underground-1	Drill No Drill No Drill No Drill No Fotals	o. 2 o. 3 o. 4 c. 5		 	put in. 13 3 6 3 11 — 36 — in.				of 1 Ft 5,5 1,1 1,9 1,2 4,4 14,3 yds.	Bore 5. 93 11 938 21 47 12	es. in. 4 1 5 8 9½ 3½ in.
Underground-I Underground-I Underground-I Underground-I Surface-Drills Underground-I	Drill No Drill No Drill No Drill No Totals 5 bored Drills bo	o. 2 o. 3 o. 4 c. 5		 Ft. 60,054 14,312	put in. 13 3 6 3 11 36 in. 4\frac{4}{4}, 4\frac{1}{2},	or or	Miles. 11 2	1,	of Ft 5,5 1,1 1,9 1,2 4,4 14,3 yds. 658 250	Bore 5. 93 11 138 121 47 12 ft. 0 2	in. 4 1 5 8 9½ 3½ in. 434 3½
Underground-I Underground-I Underground-I Underground-I Surface-Drills Underground-I	Drill No Drill No Drill No Drill No Totals 5 bored Drills bo	o. 2 o. 3 o. 4 c. 5	•••	 Ft. 60,054	put in. 13 3 6 3 11 36 in. 43 4,	 	Miles. 11	1,	of 1 Ft 5,5 1,1 1,9 1,2 4,4 14,3 yds. 658	11 138 121 47 12 ft.	es. in. 4 1 5 8 9½ 3½ in. 434

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

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