Littry.

Surface temperature -	0	mètre	11·00° cent.
Rock at the bottom of St. Charles mine - - -	99	-	16·13 —

Decise.

Water of the well Pelisson	at 8·8	mètres	11·40° —
Puits des Pavillons	16·9	-	11·67 —
Rock in the Jacobè mine -	107·0	-	17·78 —
Ditto -	171·0	-	22·10 —

The general result of a complete discussion of these observations on subterranean temperature made in mines and collieries, appears, to give a ratio of 1° cent. for about 25 mètres, or 1° Fahr. for 45 feet English.

Mr. Henwood's observations on subterranean temperatures in the rocks, made on the waters issuing from them, extend to no less than 95 in slate, and 39 in granite, and from the surface to 200 fathoms and upwards. The following is a summary.

Slate.			Granite.		
Average Depth.	No. of Observations.	Temperature.	Average Depth.	No. of Observations.	Temperature.
35 ft.	21	57·0°	31 ft.	7	51·6°
73	19	61·3	79	17	55·8
127	29	68·0	133	12	65·5
170	21	78·0			
221	5	85·6	237	3	81·3

Thus at all depths the slate appears to be about 3·9° warmer than the granite at the same level.

The progressive increase of temperature in descending is in a mean of

95 observations on slate	1°	for 6·5	fathoms (39 feet).
39 - granite	1°	- 6·9	- (41·4).

(*Reports of British Association* for 1837.)