

The total expenditure upon the whole boring, 4051 feet (5570 English feet), both by manual labour and by steam power, was about £8717 14s.—making the average cost for every Prussian foot in depth about 2 guineas, or £1 11s. 4d. per English foot.

The whole time spent on the work was $51\frac{1}{2}$ months, or 4 years and $3\frac{1}{2}$ months; but as there was an interval of 5 months, between July, 1868, and January 1871, during which period the boring operations were suspended, the actual number of working months becomes reduced to $46\frac{1}{2}$.

The process of boring throughout was by percussion borers worked by rods; and the rocks bored through belonged to the Triassic series.

The progress of the work would have been much greater but for the accidents which took place, and for the delays which were caused by the observations that were made as to the increase of the temperature of the earth in depth, etc.

The measurements were taken in Prussian feet; these have been reduced to English feet—the Prussian foot being 12·357 English inches.

A memoir (“Die Tiefbohrung zu Sperenberg”) on the subject of this interesting undertaking will be found in the “Zeitschrift für das Berg- Hütten- und Salinen-Wesen in dem Preussischen Staate,” Band xx. 1872.

H. W. BRISTOW.

28, JERMYN STREET,
January, 1875.

THE GREAT RHÆTIC BONE-BED NEAR FROME.

SIR,—To those of your readers who make a special study of the Rhætic beds, it may be of interest to know that the great Bone-bed, situate in the Black Shales of the above series, and replete with its usual remains, has been met with at the depth of 310 feet, in a pit, at present being sunk by James Oxley, Esq., of Frome, to the Lower Series of Coals of the Somersetshire basin, about two miles N.W. of Frome, and on the S.E. flank of the Mendip Hills.

ALFRED C. CRUTWELL.

WEST HILL, FROME,
15 Jan. 1875.

MISCELLANEOUS.

ARTESIAN WELL AT TORQUAY.—The Diamond Boring Company are sinking an artesian well on the premises of the Torquay Brewing Company, in Fleet-street, Torquay. About 90 feet of solid limestone (Devonian) has been penetrated. It is anticipated that an abundant supply of water will be reached at a depth of about 200 feet; but although this may be regarded as very problematical, there is no doubt that if the work proceeds a very interesting geological section will be obtained.