

Telescopes for observing coincidences, &c., &c. Jones.

Two weekly chronometers, Nos. 1567 and 1503. Charles Frodsham.

One Siderial chronometer, No. 1615. Charles Frodsham.

Twenty-five 56hrs. Chronometers, viz. :—Nos. 2075, 2085, 2203, 1839, 2204, 2066, 2093, 2095, 1964, 2105, 2052, 2083, 2096, 2037, by Parkinson and Frodsham; Nos. 2088, 3001, 1826, 2067, 2042, 2057, by Molyneux; Nos. 972, 766, by Arnold and Dent; Nos. 169, 170, by Chas. Young; No. 850, by James Murray; and four Pocket chronometers, viz. : Nos. 2124, 733, by Parkinson and Frodsham; No. 22, by Molyneux, and No. 786, by Cotterel and Co.

We were likewise provided with suitable libraries for each of the larger vessels, and duplicate instruments of those which were liable to be broken or become injured. For the repairs, there was attached to the Expedition a competent instrument maker. Besides those above enumerated, each officer was required to furnish himself with a sextant, watch, &c. It will thus be seen that we were well provided for the performance of our duties. There were some instruments I regretted not being able to procure, and among them was Fox's magnetic dipping apparatus.

Convenient portable houses and tents, for the protection and use of the instruments, were also provided, which rendered us entirely independent of external circumstance or local aid, so much so, that if we had been obliged to occupy a bare sandbank, we should have wanted for nothing; and I trust that the labors performed will exhibit abundant proof that the opportunities enjoyed were improved with the utmost industry and all the energy we possessed.

The reliance to be placed on Hydrographical labors depends upon the accuracy of the modes employed in obtaining the results. It therefore seems necessary to give a statement of these, and to explain the combinations by which the positions that have been astronomically determined are brought to prove and bear upon each other, thereby affording strong evidence of the credit the combined results are entitled to, and the confidence that ought to be placed in the surveys and charts resulting from our labors.