

statics, 10 of Acoustics, 13 of Heat, 20 of Optics, 16 of Geodesy and Astronomy.

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§ 5.

APPARATUS ILLUSTRATIVE OF CHEMISTRY  
AND CHEMICAL PHYSICS.

The number of Chemical Products is about 1500, and of Minerals used in the Arts, &c., about 400. This collection includes also a large number of instruments and models illustrative of Electricity, Galvanism, Electro-Magnetism, Magneto-Electricity, Thermo-Electricity, Heat, Light, &c., Technology and Metallurgy, &c.

Considerable additions of apparatus and articles illustrative of manufactures will be made before the close of the year.

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SECTION XII.—MAGNETICAL AND METEOROLOGICAL OBSERVATORY.

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(a) "The first Observatory was erected by the Royal Engineers in 1840. It was built of logs, rough-cast, and plastered. In 1855 it was replaced by the present stone structure. The main building, constituting the new observatory, is a rectangular edifice, about fifty-four feet from north to south in the direction of the magnetic meridian, forty-four feet from east to west, and sixteen feet in height, exclusive of the roof. At the north-west