

2.
CHEMICAL PRODUCTS
Continued.

(c.) METALS PROPER, AND THEIR COMPOUNDS, such as *Iron and its Salts*, Iron Pyrites for Green Vitriol, Colcothar, Ochre, Venetian Red, or as used for calico printing and dyeing, Sulphate of Iron as used for making Sulphuric Acid, &c. ;—*Copper*, as Acetate and Sulphate of Copper, as used for colours and dyeing, for electrotyping, &c., Verdigris, Scheeles Green, Verditer, Carbonate of Copper, &c. ;—*Zinc and its Salts*, Zinc Paint, &c. ;—*Tin and its Compounds*, as Salts of Tin, Stannates, Oxymuriate. &c. ;—*Lead*, as White Lead, Acetate and Nitrate of Lead, Naples Yellow, &c. ;—*Chromium*, as Chrome Ore, Chromates of Potash, Yellow and Orange Chromate of Lead, Oxide of Chromium for colours, as for glass, pottery, &c. ;—*Arsenic*, as Scheeles Green, Orpiment, Realgar, &c. ;—*Antimony*, as Sulphuret of Antimony for percussion powder, lucifer matches, &c. ;—*Bismuth*, as pearl white, &c. ;—*Cobalt*, as Oxide of Cobalt for pottery colours, smalt blue, &c. ;—*Nickel*, for glass staining, &c. ;—*Tungsten*, as the Yellow Oxides, Tungstates for dyeing, &c. ;—*Mercury*, as for philosophical instruments, silvering mirrors, &c. ;—*Gold, Platinum, Silver, and the other noble metals*, their preparations for electrotyping, giving of metallic lustres, &c. &c.

(d.) MIXED CHEMICAL MANUFACTURES, such as Soap, Prussiate of Potash and Prussian Blue, Ultramarine, &c. &c.

(B.) CHEMICAL SUBSTANCES USED IN MEDICINE.

(a.) NON-METALLIC SUBSTANCES, as Iodine, Bromine, Chlorine, Sulphur, Phosphorus, Charcoal, and their compounds, &c.

(b.) ALKALIES, EARTHS, AND THEIR COMPOUNDS, as Carbonates, Chlorides, Sulphates, Nitrates, Phosphates, &c., and other compounds of Potash, Soda, Lime, and Magnesia, &c. &c.

(c.) METALLIC PREPARATIONS, as Calomel, Corrosive Sublimate, Red Oxide, and Bisulphuret of Mercury, and other compounds; Salts of Silver, Copper, Iron, Antimony, Zinc, &c. &c.

(C.) RARER SUBSTANCES MANUFACTURED CHIEFLY FOR THE USE OF THE SCIENTIFIC CHEMIST.

Iodine, Bromine, Selenium; Potassium, Sodium, and other rare Metallic Basis, and their compounds, &c.

(A.) GLASS.

(a.) COARSER MATERIALS USED IN GLASS MAKING, as Sand, Chalk, Carbonates of Soda and Potash, Sulphate of Soda, Gypsum, Common Salt, Rock Salt, Soapers' Waste, Gas Lime, Lime, Clay, &c. &c.

(b.) COLOURS AND CHEMICAL MATERIALS USED IN FURTHER PROCESSES OF GLASS MAKING, as compounds of Arsenic, Antimony, Boracic Acid, Borax, Barytes, Copper, Chromium, Cobalt, Gold and Iron, Litharge, Red Lead, Oxides of Manganese, Nickel, Uranium, Silver, Saltpetre, Smalt Blue, Phosphate of Lime, &c. &c.

(c.) VARIOUS KINDS OF GLASS USED FOR MANUFACTURES, as Soluble or Water Glass, Crown, Window, and Mirror; Crystal, Flint, and Strass Glass; German Sheet and Plate Glass; Glass for Optical and for Laboratory purposes; Coloured and Stained Glass; Enamel, Aventurin, Glass for Artificial Gems, &c. &c.

(B.) PORCELAIN AND POTTERY.

(a.) MATERIALS USED, AND THE MODES OF DRESSING AND PREPARING THEM FOR USE, as Kaolin, Cornish Stone, Plastic Clays, Sand, Quartz, Flints, Felspar, Chalk, Gypsum, Soda, Potash, Salt, Alum, Borax, Bone Ash, Peroxide of Tin, Oxides of Lead, Cobalt, Nickel, Chromium, Iron, Copper, Manganese, &c. &c.

(b.) FINER KINDS, AS USED FOR MANUFACTURING PURPOSES, as Porcelain hard and tender, Earthenware, Stone Ware, Flint Ware, Fayence, Delft Ware, Iron-stone China, &c. &c.; Materials and Processes illustrating the mixing, moulding, pressing, drying, glazing, colouring, printing, staining, painting, and gilding, &c.

(c.) COARSER KINDS, AS USED FOR MANUFACTURING PURPOSES, as Materials for Bricks, House and Field Draining Tiles and Pipes, Common Jars, Bottles, Pans, &c. &c.

3.
USED IN THE MANUFACTURE OF GLASS, POTTERY, & EARTH-WARE.

4.
STONES AND MINERAL SUBSTANCES FOR BUILDING, IMPLEMENTS, AND DECORATION.

(a.) EMPLOYED IN ARCHITECTURE AND ENGINEERING. Granites, Sandstones, Slates, Limestones, Serpentine, Porphyries, Marbles, Bricks, Tiles, Earthen Tubes, Artificial Stones, Plasters, Cements, Earths; Pounded Rocks, and other Paints made with simple natural substances, &c. &c.

(b.) IMPLEMENTS. Grindstones, Chert, Honestones, Diamonds, Rubies, Emery, and other hard Minerals for cutting gems, less valuable minerals and glass, or as used in the construction of watches, &c. &c.

(c.) PERSONAL DECORATION. Gems of all kinds, and all varieties of Mineral Substances used for decoration, as Agates, Cornelians, Onyxes, Lapis Lazuli, &c. &c.