

ADDITIONS.

SMILAX CHINA (p. 24.) Roots yield by maceration a reddish powder, forming with boiling water a nutritive jelly, eaten in South America with honey or sugar.

HÆMANTHUS COCCINEUS. Root used for the same purposes as those of squills.

BARRY'S RESINOUS EXTRACT OF BARK. Prepared by distilling a tinct. of bark made with S. V. R. nearly to dryness, cooling it, removing the resin on its surface, and exposing the remaining liquid to a gentle heat, until it is reduced to a fine ruby red extract.

ESSENTIAL SALT OF BARK. Bruised bark soaked in water, the liquor strained and evaporated by a very gentle heat.

EXTRACT OF OSMUNDA REGALIS. Used in the rickets: ʒij omni mane.

CRYSTALLI OPII. Wedelius observes, that if a spirituous tincture of opium is evaporated to about one half, oblong crystals form in it by standing.

MORPHIA. Opū ʒv , aquæ ʒij , soak for three days, filter, add magnesiae ustæ newly ppd. gr. xv , boil for ten minutes: filter, wash the sediment with cold water until it passes clear; then digest it alternately with cold and warm S. V. R. as long as it takes a colour, the residuum is then digested with boiling alcohol, which on cooling will deposit it in crystals: much more powerful than opium; half a grain, taken thrice at half an hour intervals, produced violent vomiting and alarming faintings.

ARTIFICIAL YEAST. Boil malt, a quarter of a peck in water 3lb, pour off the decoction, and put it in a warm place for about 30 hours: add twice as much of a similar decoction, again ferment, and repeat this process until a sufficient quantity of yeast is obtained.

IODINE. Extract all the soluble part of kelp by water, and crystallise the soda by evaporation and rest: to the re-

ADDITIONS.

maining ley, add oil of vitriol to excess, and boil the liquid, then strain it to separate some sulphur, and mix the filtered liquor with as much black manganese as was used of oil of vitriol; on applying heat the iodine sublimes in form of a purple vapour, and forms greyish black scales of a metallic lustre; six grains produced copious vomiting and colic pains. It seems to be contained in most marine plants, as sponge.

IODATE OF POTASH. Dissolve iodine in a solution of potash, evaporate to dryness, separate the hydroiodate by spirit of wine; then dissolve the iodate in water and crystallise it: used in bronchocele.

HYDROIODATE OF POTASH. Obtained from the mixed mass of iodate and hydroiodate of potash by the addition of spirit of wine, which dissolves this salt freely, then distil off the spirit: used in bronchocele.

LYMINGTON GLAUBER'S SALT. Sulphate of magnesia and-soda, obtained from the mother liquor of sea water, or by dissolving Epsom salt in a solution of Glauber's salt, and evaporating: it crystallises in regular rhomboids.

TINCTURA ANTISYPHILITICA. Kali ppi ℥j, aq. cinnam. ℥j, dissolve, add opii ℥ij dissolved in sp. cinnam. ℥iv, and digest for three weeks, shaking them frequently, add gum Arab. ℥ij, ammon. subcarb. ℥j dissolved in aq. cinnam. and filter: dose gtt. xxiv ter die in a glass of cold decoction of marsh mallow root: also used externally in local syphilitic complaints.

HANNAY'S LOTION. Aq. potassæ puræ diluted with distilled water. Used as a preventive lotion against venereal infection.

GREEN'S DROPS. A disguised solution of sublimate corrosive.

SELWAY'S PREPARED ESSENCE OF SENNA. Infusion of senna made with an alkali.

SOLOMON'S ANTI-IMPETIGINES. A solution of sublimate.

MARSDEN'S ANTISCORBUTIC DROPS. A solution of sublimate in inf. gentianæ.

DAVIDSON'S REMEDY FOR CANCER. Arsen. alb. united with fol. conii.

MADDEN'S VEGETABLE ESSENCE. Infusum rosæ.

ROB ANTI-SYPHILITIQUE. Boil bull-rushes in water, adding towards the end sarsaparilla and anise seed, strain, and evaporate to the consistence of a syrup, to which sublim. corros. is added.

ADDITIONS.

AMMONIACAL LIQUOR. Is obtained in great quantity from coals in making gas, a chaldron yielding about 200lb. 1 gall. saturated 15 or 16 oz. of oil of vitriol. Used to manufacture volatile salt, or sal ammoniac. Ammon. liq. 108 gall. plaster of Paris 125lb, mix, and then add oil of vitriol 16 oz. evaporate and crystallise the produced sulphate of ammonia; 1 cwt. of the dry crystals sublimed with 28lb powdered chalk produce 60 to 65lb of volatile salt, or f sublimed with sea salt, sal ammoniac is the product.

HYDROSULPHURETUM AMMONIÆ. Sulphuretum ferri ʒiij, spir. salis ʒviiij, aq. lbijss; dissolve, and pass the gas into aq. ammon. puræ ʒiij.

BIT-NOBEN. Muriate of soda mixed with sulphuretted hydrogen, highly esteemed in India; attempted to be introduced here but without any success, as 200 Cwt. in 1802, sold for about fifteen pence per Cwt.

MAGISTERY OF BISMUTH (p. 262.) Of great use in painful diseases of the stomach; gr. v to xij, ter die.

BURNT HART'S HORN. *Cornu cervi ustum.* *C. ustum.* Burn hartshorn until white, grind and wash over; used as a weak absorbent, also as a polishing powder for plate.

PATENT INK. Logwood shavings, powdered galls ana 2lb, pomegranate bark 4 oz. green vitriol 1lb, gum Arabic common 8 oz. water 1 gall.

2. *Ink used in the Prerogative office.* Galls 1lb, gum Arab. 6 oz. alum 2 oz. green vitriol 7 oz. kino 3 oz. logwood in powder 4 oz. water 1 gallon.

LITHOGRAPHIC CRAYONS. Wax 25 oz. tallow 35 oz. rosin 26 oz. lamp black 6 oz.

ARMENIAN CEMENT. Soak isinglass in water till soft, then dissolve it in proof spirit, add a little galbanum or gum ammoniac, and mix it with tincture of mastich. It must be kept well stopped, and when wanted, liquefied by the phial being immersed in hot water: used to cement jewels upon watch cases, also to mend china, or replace leaves torn out of books.

2. Add tincture of lac in S. V. R. to a solution of isinglass in the same solvent.

3. Add to melted glue, half its weight of rosin in powder, and some red ochre: for coarser purposes, as for cementing hones to their frames.