

- 216,584.—*Processes and apparatus for manufacturing carbonic oxide.* C. TESSIÉ DU MOTAY and E. J. JERZMANOWSKY.

Carbonic oxide is produced from wood, turf or other carbonaceous refuse by incomplete combustion, and by passing the products of combustion through incandescent coal. The principal feature of the patent is the arrangement of apparatus.

- 216,589.—*Preserving wood.* W. WELLHOUSE and E. HAGEN.

Wood is treated with a solution of chloride of zinc and gelatine, and afterwards with a solution of tannin to close the pores.

- 216,596.—*Friction compounds for belts.* F. BROWN.

A compound of oil, beeswax, india-rubber and gum arabic to prevent the slipping of belts.

- 216,613.—*Manufacture of artificial fuel.* O. HASSEL.

Powdered peat or coal dust are mixed with sea-grass or sea-weed boiled to a jelly, the mixture pressed into blocks, dried and coated with pitch.

- 216,625.—*Inks for printing protective tints on commercial blanks.* E. MENDEL.

An ink composed of glycerine, starch, zinc-white, grape sugar or glucose and coloring matter.

June 24, 1879.

- 216,816.—*Methods of treating bones for glue-stock.* WM. ADAMSON.

Before the usual acid treatment, the bones are treated with hydro-carbons, in order to remove the fat.

- 216,850.—*Roofing paints or coverings.* J. R. HAZELET.

A number of oils and rosins dissolved in volatile hydro-carbons and mixed metallic paints.

- 216,910.—*Dephosphorizing iron.* S. G. THOMAS.

Claim 1 : In the dephosphorizing of iron, where highly basic slag is produced in the Bessemer or open hearth operations, the process of producing such slag, which consists in lining the converter or other vessel with calcareous or magnesian material, and adding to the molten metal therein basic material containing two-thirds of lime or lime and magnesia, and of a gross weight equal to about five times the weight of the silicon and phosphorus contained in the charge, the said basic material being divided and a part added before lapping, and the remainder after this has been blown, or the whole quantity added at once.

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