

F. KÜPPEN, Stassfurt : *Concentration of salt solutions.* (Germ. P., No. 3997, July 17, 1878.)—The concentration is produced by the waste heat from the boilers.

JOSEF BERSCH, Baden, near Vienna : *Bung for beer barrels with automatic valve to regulate the pressure.* (Germ. P., No. 3826, July 3, 1878.)

LUIGI PERONI, London : *Improvement in the manufacture of glass tubing for thermometers.* (Engl. P., No. 317.)

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## American Patents.

Condensed from the Official Gazette of the U. S. Patent Office, by ARNO BEHR.

*April 1, 1879.*

213,733.—*Treatment of albumen for the production of molded articles.* JONATHAN BLISS.

Brief : Pure albumen is dried and pulverized, after which the powder is formed into various articles in heated moulds under pressure.

A factory for the manufacture of buttons is in successful operation in Jersey City.

213,815.—*Apparatus for making infusions.* R. U. ETZENSBERGER.

213,824-826.—*Preserving meats in the raw state.* ARTHUR A. LIBBY.

Several modifications of a process, the leading idea of which seems to be to catch and destroy all germs of putrefaction, in a coating of an antiseptic and adhesive mixture, which is spread on the surface of the meat and the inner surface of the cans. To prevent the lesion of this protecting coat, the meat is kept from contact with the walls of the can. Before the sealing of the cans, the air in them is replaced by such which has been heated to the destruction of all germs of putrefaction.

213,907.—*Processes of dyeing aniline black.* H. KINSBOURG.

The claim is for dyeing vegetable fibrous material at a low temperature in a bath composed of about 20 lbs. of bichromate of potassium, 30 lbs. sulphuric acid, 20 lbs. chlorhydrate of aniline and 400 to 600 gallons of water.

*April 3, 1879.*

214,042.—*Processes and apparatus for the manufacture of coal gas.* CHAS. W. ISBELL.

The process consists in utilizing the volatile bodies contained in the tar, for the production of gas, by passing their vapors together with steam and gas through a separate set of heated retorts.

214,055.—*Extracting precious metals from ores.* T. A. ROBERTSON.

Heating the ore to a red heat and afterwards plunging it in a solution of salt, sulphate of copper and cyanide of potassium.