

UNITED STATES PATENT OFFICE.

CHAS. J. MEINICKE, OF NEW YORK, N. Y.

IMPROVEMENT IN DISTILLING SPIRITS OF TURPENTINE.

Specification forming part of Letters Patent No. 7,528, dated July 30, 1850.

To all whom it may concern:

Be it known that I, CHARLES JULIUS MEINICKE, of the city of New York, State of New York, have invented a new and Improved Mode of Making Rosin Soap; and I do hereby declare that the following is a full and exact description thereof.

I take a thousand parts of crude turpentine, melt the same, by steam or otherwise, and add eight hundred parts of tallow, grease, fat. When both are in a perfect liquid state I stir into them eight hundred parts of liquid soda containing thirty-three per cent. of dry pure soda in solution, increasing at the same time the temperature of the compound to 108° centigrade thermometer by passing steam outside the vessel containing the same. By this temperature the soap is instantaneously formed, the acids constituting the rosin of the turpentine and those forming the grease being perfectly neutralized by the alkali, and thus converted into liquid melted soap. At the same time the essential oil of the turpentine is set free, and in order to obtain the same I add a solution of common salt of about the same volume as the melted soap, connect the vessel containing the whole with a condensing appa-

ratus usually employed by distillers of spirits of turpentine, and increasing now the temperature of the whole to the boiling-point I condense the steam arising from it, which carries the essential oil of turpentine with it in the condensing apparatus, which operation is finished in a short time, the spirits being already set free by the action of the alkali, as mentioned above. In this manner I do obtain two articles of manufacture with one expense for fuel and labor, which products, when made separately, as now practiced by soap-makers and turpentine distillers, cost more time and more expense. When all the essential oil is distilled over the remaining soap is finished in a manner and style now practiced by all manufacturers of soap.

What I claim as my invention, and desire to secure by Letters Patent, is—

The process, as described, for distilling turpentine, so that the spirits of turpentine are distilled and the rosins saponified ready for soap-making at one operation.

CHAS. J. MEINICKE.

Witnesses:

GEO. A. SCHERPF,
JOSEPH SUMZ.