

UNITED STATES PATENT OFFICE.

EMILE RAYNAUD, OF BRUSSELS, BELGIUM.

PROCESS OF SOLIDIFYING MINERAL OILS.

No. 879,193.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed March 3, 1903. Serial No. 146,005.

To all whom it may concern:

Be it known that I, EMILE RAYNAUD, subject of the King of Belgium, residing in Brussels, in the Kingdom of Belgium, have invented a new and useful Process of Solidifying Mineral Oils, for which patents have been obtained in Germany, on July 31, 1902; Russia, on August 3, 1902; Austria, on August 11, 1902; Hungary, on August 22, 1902; Belgium, on November 20, 1902, Nr. 166,826, and of which the following is a full, clear, and exact description.

The present invention relates to the solidification of mineral oils and other hydrocarbons and alcohols by means of soda soap, charged with silicate of soda.

It is based on the property of the silicate of soda, to solidify its dissolvents and it consists in the addition to the liquid to be solidified, of a hard soda soap which is charged with silicate of soda. The silicate of soda increases its solidifying power in such a way that very small quantities will be sufficient to solidify the said liquids.

The process is carried out in the following manner: The liquid to be solidified is mixed with a suitable quantity of soda soap charged with from 4 to 5 times its weight of silicate of soda. The mixture is then heated to at least 40° centigrade and as soon as the mass is solidified it is allowed to cool.

Having now fully described my invention, what I claim and desire to secure by Letters Patent, is:

The herein described process of solidifying liquid mineral oils, hydrocarbons and alcohols, which consists in adding to the liquid to be solidified a suitable quantity of soda soap charged with several times its weight of silicate of soda, heating the mixture to at least 40° centigrade, and then cooling the mixture until solidified.

In witness whereof I have hereunto set my hand in presence of two witnesses.

EMILE RAYNAUD.

Witnesses:

AUG. JERISSEN,
GREGORY PHELAN.