

UNITED STATES PATENT OFFICE

CHARLES MCGONNELL, JR., OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN COMPOSITIONS FOR VARNISH.

Specification forming part of Letters Patent No. **174,834**, dated March 14, 1876; application filed July 2, 1875.

To all whom it may concern:

Be it known that I, CHARLES MCGONNELL, Jr., of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Elastic Varnishing, Saturating, and Painting Compound; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it.

The object of my invention is to provide a substitute for linseed-oil, and which can be used for mixing paints, for varnishing wood, metal, &c., and for saturating roofing felt and paper.

Take fifty parts of rosin; twenty-five parts of benzine; twenty parts of gas-tar; five parts of sugar-of-lead. The rosin and gas-tar are heated in separate vessels until the former becomes molten or liquid and the latter boils. The fire is then withdrawn from each vessel and half of the benzine added to each—serving to keep the rosin from hardening, and producing a precipitation of the heavy impure matters in the gas-tar. The cleared gas-tar is then drawn off and poured into the fluid

rosin, and the sugar-of-lead immediately added to the mass.

Five parts of linseed-oil may be substituted for an equal number of parts of benzine or added to the given quantity of the latter.

It is not absolutely necessary to adhere strictly to the exact proportions given, and they may, if desired, be varied as taste and experience will suggest.

The above-described compound differs from that of Averell in his Letters Patent No. 19,729, in that while he uses water, acetate of lead, spirits of turpentine, and coal-tar, he does not make any use of resin or benzine, both of which are a part of applicant's invention.

I claim—

The improved composition varnish, consisting of rosin, benzine, gas-tar, and sugar of-lead, as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of June, 1875.

CHARLES MCGONNELL, JR.

Witnesses:

M. DANL. CONNOLLY,
CHAS. F. VAN HORN.