

UNITED STATES PATENT OFFICE.

MICHAEL KUNZ, OF OBERHAUSEN-AUGSBURG, GERMANY.

WOOD-GRINDING COMPOSITION.

SPECIFICATION forming part of Letters Patent No. 302,741, dated July 29, 1884.

Application filed April 29, 1884. (No specimens.) Patented in Germany June 24, 1883, No. 26,424; in Belgium February 4, 1884, No. 46,881; in France February 13, 1884, No. 147,808, and in Austria-Hungary March 3, 1884.

To all whom it may concern:

Be it known that I, MICHAEL KUNZ, of Oberhausen-Augsburg, in the Empire of Germany, have invented certain new and useful
5 Improvements in Wood-Treating Compositions, (for which Letters Patent have been granted to me heretofore by the following governments: Germany, No. 26,424, dated June 24, 1883; France, No. 147,808, dated February
10 13, 1884; Belgium, No. 46,881, dated February 4, 1884, and Austria-Hungary, not numbered, dated March 3, 1884,) of which the following is a specification.

The surface of wood of all kinds employed
15 in the manufacture of furniture, pianos, &c., was heretofore, after veneering, first smoothed with sand-paper or otherwise, so as to remove the roughness of the veneer, which is then ground off with a pumice-stone and with oil,
20 mixed with pulverized pumice-stone or brick. After grinding, the surface of the veneer is treated with a wood-filling composition and finally polished. This method has the disadvantage that the oil which has been rubbed into the
25 pores of the wood appears after polishing on the surface by the so-called "sweating" of the wood, whereby the surface becomes rough and dull, and loses entirely its finely-polished appearance. The sweating is a natural consequence of the use of oil, and occurs on the surface of the veneer after the same has been polished.
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The object of the invention is to furnish a wood-treating composition to be used in place
35 of oil, by which the sweating of the oil from the pores of the wood is done away with; and the invention consists of an extract of rape-

flowers or other equivalent oleaginous vegetable matter by petroleum and a drying-oil, which are mixed together in the following
40 manner and proportions: Four parts of flowers of rape are boiled with five parts of petroleum, one part of linseed-oil, or any other suitable drying-oil, and a small quantity of Venetian oil of turpentine are added.
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In place of the drier and oil of turpentine, benzine might be used, though it is preferable to use the former ingredients, owing to the danger of fire connected with the latter.

The extract of rape-flowers is used in connection with pumice-stone for grinding off the
50 surface of the wood in exactly the same manner as the oil and powdered pumice-stone heretofore employed; but it has the advantage that in grinding and smoothing the surface the fibers of the wood do not adhere to
55 the pumice-stone, and that the sweating of the surface is entirely prevented.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—
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The composition for grinding wood in connection with pulverized pumice-stone in place of the oils heretofore used, which consists of a mixture of extract of rape-flowers or other
65 oleaginous vegetable matter, petroleum, a drying-oil, and a small quantity of Venetian oil of turpentine, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MICHAEL KUNZ.

Witnesses:

RUDOLPH REHM,
ROBERT FURST.