

UNITED STATES PATENT OFFICE.

ABRAHAM BARUCH GLASS, OF VIENNA, AUSTRIA-HUNGARY, ASSIGNOR TO
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METHOD OF IMPREGNATING PAPER OR PASTEBOARD.

SPECIFICATION forming part of Letters Patent No. 703,341, dated June 24, 1902.

Application filed March 1, 1901. Serial No. 49,470. (No specimens.)

To all whom it may concern:

Be it known that I, ABRAHAM BARUCH GLASS, a citizen of Austria-Hungary, residing at Vienna, in the Province of Lower Austria, Austria-Hungary, have invented certain new and useful Improvements in Methods of Impregnating Paper or Pasteboard; 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 appertains to make and use the same, and for which I have filed an application in Austria, dated August 26, 1900.

This invention relates to a composition for impregnating paper and pasteboard made of wood, straw, and other vegetable fibrous materials for the purpose of giving the paper such a degree of rigidity that it can not only be used like carton, but can also be better bent, folded, and pressed, owing to its thinness. Pasteboard made of wood or straw impregnated with this liquid swells, is very compact after drying, does not fray, has the hardness of wood, and can be used for many industrial purposes.

I prepare a mixture of twenty parts, by volume, of hydrate of calcium, eighty parts dextrine, and forty parts flour or starch and dis-

solve these substances in a quantity of water corresponding to the desired degree of rigidity of the paper or pasteboard. The consistency of the liquid varies from thin liquid to the consistency of syrup. The paper is impregnated with this liquid by means of a brush or pad or by dipping the paper into the liquid. Pasteboard made of wood or straw must be impregnated in a bath a longer or shorter time, according to the desired degree of swelling of the material. The impregnated paper or pasteboard then is dried and smoothed and is now ready for use.

Having now described the nature of my invention, I declare what I claim is—

The herein-described composition of matter for use as described, consisting of hydrate of calcium, dextrine, and flour or starch in or about in the proportions set forth and water.

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

ABRAHAM BARUCH GLASS.

Witnesses:

WILHELM ZERGEL,
ALVESTO S. HOGUE.