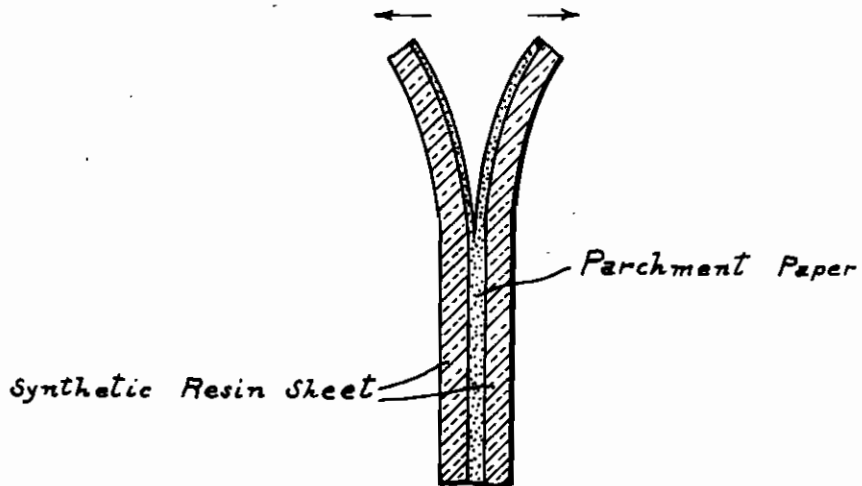


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ARTICLE OF MANUFACTURE CONSISTING WHOLLY
OR IN PART OF SYNTHETIC RESIN AND
PROCESS OF PRODUCING THE SAME
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ALIEN PROPERTY CUSTODIAN

ARTICLE OF MANUFACTURE CONSISTING WHOLLY OR IN PART OF SYNTHETIC RESIN AND PROCESS OF PRODUCING THE SAME

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It has been impossible hitherto by the aid of the usual binders to satisfactorily unite articles of any kind made of synthetic resin masses with other articles because the usual binders do not stick sufficiently to the synthetic resin mass. In cases when synthetic resin masses have been united by means of special binders with other articles it has been necessary always to roughen the surface of the synthetic resin mass. But even in this way it has not been possible to secure reliable adherence to the surface of the synthetic resin mass.

Now it has been found that it is possible to provide synthetic resin masses with surfaces which are fit for sticking to binders, by inserting between two surfaces to be made fit for sticking to binders, either before the final hardening or after subsequently effected softening, a layer of a material which is impervious to the liquid or liquefied synthetic resin mass and whose particles have a lower mutual cohesion than the adhesion thereof to the hot synthetic resin mass, and then compressing together, in a manner known per se, with application of heat, the synthetic resin masses having the intermediate layer between them and after the two compressed surfaces of synthetic resin masses have cooled down tearing them away one from the other. In this way the particles of the intermediate layer, owing to their good adhesion to the synthetic resin mass, are deposited upon the two surfaces of the synthetic resin masses in the form of a uniform coating which however is rough and fit for sticking to binders.

It has been found that parchment paper is a particularly suitable material to be used for the intermediate layer.

The present invention may be applied in all cases when it is desired to provide on articles of wood, metal or the like a surface of synthetic resin mass sticking thereon. In this way it is

possible for instance to have stuck on any desired base by any suitable binder veneer-like thin sheets or plates of Bakelitized paper or wood having the surface thereof sticking to binders, or to unite together such synthetic resin impregnated and hardened layers which are provided on both sides with a surface of this kind so as to form a structure similar to ply-wood. The invention may be of use not only in the manufacture of furniture but also whenever it is desired to provide articles with a surface layer which is resistant to external influences and/or ornamental, as for instance in the manufacture of skis or of coatings of all kinds.

Example

In the usual production of plates by compression of paper impregnated with hardening synthetic resin at elevated temperature, where a pile, of 30 superposed sheets of paper was used, two sheets of parchment paper were inserted one between the tenth and eleventh paper sheet and the other between the twentieth and twenty-first paper sheet and then the pile was compressed and left to cool as usual. It was found that the upper ten paper layers impregnated with hardening synthetic resin as well as the intermediate ten paper layers and the lower ten paper layers are united together in the known way to form solid plates having an entirely homogenous appearance from outside. On the other hand the three elementary plates so obtained may be easily torn away in the zones determined by the insertion of the parchment paper sheets, the particles of the parchment paper sticking on the surface in the form of a rough layer. In this way three plates are obtained of which two are provided on one side, and one on both sides, with a surface that sticks well to binders of all kinds.

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