

UNITED STATES PATENT OFFICE.

LEONHARD PINK, OF BERLIN, GERMANY, ASSIGNOR, BY MESNE ASSIGNMENTS, TO
DUTCH HOLDING COMPANY, A CORPORATION OF NEW YORK.

PROCESS OF COATING CORKS WITH RESISTING NEUTRAL LAYERS.

1,056,446.

Specification of Letters Patent.

Patented Mar. 18, 1913.

No Drawing.

Application filed January 26, 1911. Serial No. 604,889.

To all whom it may concern:

Be it known that I, LEONHARD PINK, a subject of the German Emperor, and resident at Blumenstrasse 70, Berlin, Germany, have
5 invented certain new and useful Improvements in Processes for Coating Corks with Resisting Neutral Layers.

This invention relates to a process for coating corks with resisting layers for instance for the purpose of doing away with the interposition of small sheets of parchment paper.

This process consists in coating corks ready for use with a solution of cellulose
15 ammoniacal oxid of copper by dipping it into this solution or in any other manner, in removing the oxid of copper in the well known manner in a bath of sulfuric acid and in converting the coating in a bath of
20 sulfuric acid containing about 30 to 60 per cent. of sulfuric acid. The separated cellulose or nitro cellulose is amyloidized by the sulfuric acid, forming a thin film or coating which extends somewhat into the pores of
25 the cork. The oxid of copper is removed and simultaneously the residue of the deposit on the cork is parchmented by the

sulfuric acid. This coating of parchment when compared with corks which has for instance been impregnated with paraffin, 30 has this advantage that it resists better mechanical influences such as rubbing and scraping and allows above all that the corks may be caused to swell in hot water before use, which is impossible with a paraffin 35 coating.

I claim:

A process of coating corks with neutral films adapted to increase the resistance against chemical and mechanical influences, 40 consisting in coating them with a solution of cellulose in ammoniacal oxid of copper and then subjecting the coated corks to the action of sulfuric acid long enough for removing the ammoniacal oxid of copper 45 and for parchmentizing the cellulose deposited on the cork.

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

LEONHARD PINK.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.