

UNITED STATES PATENT OFFICE.

MORRIS BRODKOWSKY, OF MILWAUKEE, WISCONSIN, ASSIGNOR OF ONE-HALF TO H. SCHLOMOVITZ, OF MILWAUKEE, WISCONSIN.

PROCESS OF SEPARATING HAIR FROM HAIRCLOTH.

1,009,019.

Specification of Letters Patent.

Patented Nov. 14, 1911.

No Drawing.

Application filed December 17, 1910. Serial No. 597,840.

To all whom it may concern:

Be it known that I, MORRIS BRODKOWSKY, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Processes of Separating Hair from Haircloth, of which the following is a specification.

This invention relates to a process of separating the hair in ordinary hair-cloth from the cloth, so that the hair may be recovered for commercial use.

The object of the invention is to provide a simple and economical process whereby the hair may be recovered without injury thereto.

In carrying the process into practice, the cloth is first submerged in a solution consisting of nine parts of water and one part of carbolic acid. After the cloth has been subjected to the action of this solution for a period of about one-half hour it is removed, wrung out until freed as far as possible from the solution and then put in an ordinary hot drier and retained therein until thoroughly dried. It is then removed and tumbled or tossed about in a revolving receptacle whereby the cloth will be agitated, such agitation causing the hair to separate from the body of the cloth. The hair thus treated and recovered will be unaffected by the solution, except in a desirable way by the incidental cleansing action of the solution, and will retain all of its pristine value for commercial use.

It will be understood that the action of the solution places the vegetable fibers of the cloth in condition to be partially carbonized or rendered brittle under the action of the drying heat, so that in the agitating action such fibers will break or separate by the tumbling operation and attrition without impairing the strength and elasticity of the hair. By this process of treatment hair may be recovered from waste or refuse cloth in a quick and economical manner and rendered available for further use, without impairing the strength or elasticity of the hair or any of the deleterious results and ex-

penses arising from the use of the acid solutions commonly employed.

Having thus described the invention, I claim:—

1. The herein-described process of separating hair from hair-cloth, which consists in subjecting the cloth to the action of dilute carbolic acid, drying the cloth by the action of heat until the vegetable fibers are weakened and rendered brittle, and then disintegrating the vegetable fibers to free the hair therefrom.

2. The herein-described process of separating hair from hair-cloth, which consists in subjecting the cloth to a dilute solution of carbolic acid, drying the cloth by the action of heat, and then agitating the cloth until the hair separates therefrom.

3. The herein-described process of separating hair from hair-cloth, which consists in submerging the cloth in a solution of carbolic acid and water, removing the cloth and displacing more or less of the solution therefrom, drying the cloth by the action of heat, and then tumbling and agitating the cloth until the hair separates therefrom.

4. The herein-described process of separating hair from hair-cloth, which consists in subjecting the cloth to the action of a solution of phenol, drying the cloth by the action of heat until the vegetable fibers are weakened and rendered brittle, and then disintegrating the vegetable fibers to free the hair therefrom.

5. The herein-described process of separating hair from hair-cloth which consists in subjecting the cloth to the action of a solution of phenol, drying the cloth by the action of heat until the vegetable fibers are weakened and rendered brittle, and then agitating the cloth until the hair separates therefrom.

In testimony whereof I affix my signature in presence of two witnesses.

MORRIS BRODKOWSKY.

Witnesses:

ROSE SCHLOMOVITZ,
H. SCHLOMOVITZ.