

UNITED STATES PATENT OFFICE.

CARL STROBEL, OF GRATZ, AUSTRIA-HUNGARY.

MANUFACTURE OF BRUSHES.

No. 917,811.

Specification of Letters Patent.

Patented April 13, 1909.

Application filed April 8, 1908. Serial No. 425,967.

To all whom it may concern:

Be it known that I, CARL STROBEL, a subject of the Emperor of Austria-Hungary, and resident of Gratz, Austria-Hungary, have invented certain new and useful Improvements in the Manufacture of Brushes, of which the following is a specification.

This invention relates to the manufacture of brushes, and its object is to provide an improved process therefor by which the horse-hair bristles of the same receive greater stiffness, durability and intensity.

The improved process consists in that the bristles cut to the required length are for a certain time steeped in a suitable caustic solution in order to get impregnated thereby and are after this dried, and finally their points are—after the bristles are fixed in the back of the brush—burned. The small knots and crusts formed on the points by said burning are then removed by appropriate devices, so that more or less (depending on the

degree of impregnation, *e. g.* of treatment by caustic, of the bristles) hardened, hornlike bristle points are left, which when brushing have an intenser action than, and which are not so much subjected to wear as, the hitherto used bristles.

Having fully described my invention, what I claim and desire to secure by Letters Patent is:—

A process for the manufacture of brushes, consisting in cutting the bristles to the required length, steeping the bristles in a caustic solution, fixing bunches thereof in a brush head, and finally burning the points thereof.

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

CARL STROBEL.

Witnesses:

ROBERT W. HEINGARTNER,
AUGUST FUGGER.