STUD AND BOLT-CLEANING BRUSH

O. E. LINK

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Oscar E. Link

By: A. O'Brien
and Harvey B. Jackson
Attorney
O. E. LINK
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Inventor

Oscar E. Link

By Clarence O'Brien
and Harvey B. Jackson
Attorney
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STUD AND BOLT-CLEANING BRUSH

Oscar E. Link, Woodstock, Ill., assignor of one-third to Harold A. Link, Rochester, Ind.

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1 Claim. (Cl. 15—104.01)

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This invention relates to new and useful improvements in brushes and more particularly to the wire-type brushes such as are employed for cleaning rust and other foreign matter from metals.

The principal object of the present invention is to provide a brush of the character stated which is especially designed for the purpose of removing rust, corrosion and other foreign matter from cylinder head studs of automobile motors and the like.

Another important object of the invention is to provide a foreign matter removing brush for stud bolts and the like which can be driven by an electrical power device such as an electric drill.

Other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawings:

Figure 1 is a side elevational view of the brush.

Figure 2 is a vertical sectional view through the brush.

Figure 3 is a cross section on the line 3—3 of Figure 2.

Figure 4 is a longitudinal sectional view through the brush with the plug and shank removed.

Figure 5 is a side elevational view of one of the brush inserts.

Figure 6 is a top plan view of the brush.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 denotes a cylindrical shell; internally threaded at one end as at 6, and dovetailed-shaped grooves 7 extend longitudinally at the inner side of this shell to receive brush inserts 8 which are of like cross-sectional shape and these have inwardly projecting bristles 8, the bristles preferably being of wire or other stiff material.

Into the threaded end portion of the shell 5 is disposed the threaded portion of a hemispherical-shaped plug 9 from which a shank 10 extends, and an electric drill may be engaged with the shank for the purpose of driving the brush.

The brush is slipped over a stud bolt and rotated, either manually or by an electric drill or other powered means for the purpose of removing foreign matter from the threads of stud bolts and other projections.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and material may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A brush for removing rust and foreign matter from studs, bolts and similar projecting metal parts, comprising a one piece shell with a cylindrical bore open at both ends, a solid plug threaded in one end of said shell, a shank extending axially from said plug adapted for engagement with revolving operating means, a plurality of helically disposed grooves of dovetail shape extending from end to end on the interior of said shell, insert members having a body of the length of a groove and removably positioned and frictionally retained in said grooves, said body of the insert members having inwardly directed wire bristles.

Oscar E. Link.