R. ARCHER.

PAINT AND SCALE REMOVER.

APPLICATION FILED DEC. 8, 1909.

1,004,617.

Patented Oct. 3, 1911.

FIG. 1.

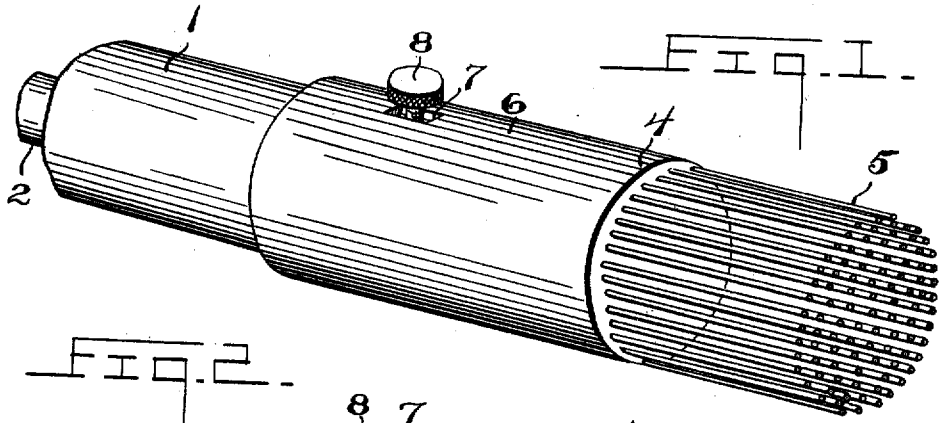
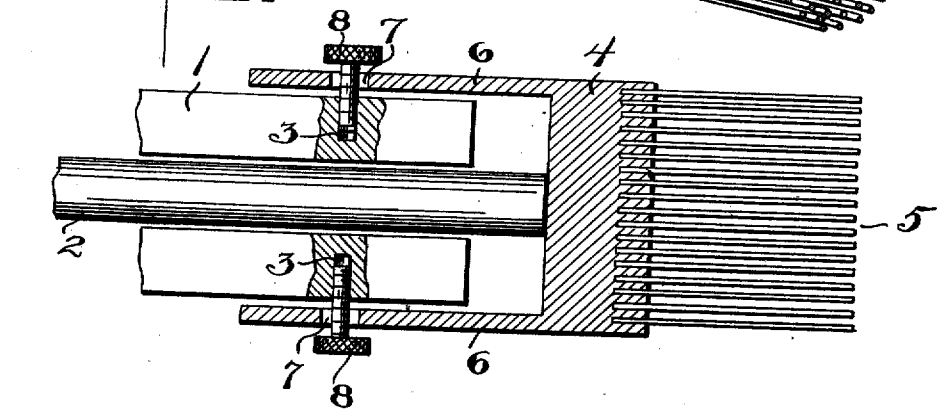


FIG. 2.



Witnesses

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PAINT AND SCALE REMOVER.

1,004,617. Specification of Letters Patent. Patented Oct. 3, 1911.

Application filed December 8, 1909. Serial No. 532,058.

To all whom it may concern:

Be it known that I, RULISON ARCHER, a citizen of the United States, residing at Bluefield, in the county of Mercer and State of West Virginia, have invented certain new and useful Improvements in Paint and Scale Removers, of which the following is a specification.

This invention relates to certain new and useful improvements in paint and scale removers.

The object of my invention is to provide a means for readily removing paint, scale or other foreign substance from the surface of metals, wood, stone, or the like.

Another object is to provide means for removing such foreign substances by the impact of a suitable brush, said impact being brought about by any desirable means.

With the above and other objects in view the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described, and particularly pointed out in the appended claims, it being understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a part of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view of my invention. Fig. 2 is a longitudinal sectional view.

Referring to the drawings 1 represents the barrel of a reciprocating hammer mechanism, preferably the kind known as pneumatic hammers, mounted inside of which is the reciprocating piston 2 the end of which projects beyond the end of the barrel. The barrel 1 is provided with screw threaded holes 3.

The brush, which constitutes my invention, consists of a head, 4, in which are mounted in any suitable manner bristles 5, preferably of wire, said bristles being flexible, but of sufficient rigidity to perform the service required.

Integral with the head and extending in opposite direction from the bristles is the sleeve 6, which loosely encircles the barrel 1. In the sleeve are the longitudinal slots 7, through which are passed the beaded screw bolts 8 which engage with threaded holes 3 and slidably secure the brush member to the reciprocating hammer mechanism. In operation the ends of the bristles are held against the paint, scale or other substance to be removed while repeated blows are struck in the back of the brush by the piston, the impact of the blows in rapid succession loosening the substance to be removed. The slot 7 allows a slidable motion of the brush member on the barrel of the reciprocating hammer and relieves part of the jar on the pneumatic hammer.

What is claimed is:

1. The combination with a hammer mechanism having a barrel and a piston; of a brush head having bristles in one end thereof, and a rearwardly extending annular flange for slidably and detachably securing said head to said barrel, said flange surrounding a socket, said head being arranged to receive the impact of the striking portion of the said piston against the bottom of said socket.

2. The combination with a reciprocating hammer member of a brush consisting of a head, bristles mounted in said head, a sleeve extending oppositely to said bristles, surrounding said reciprocating hammer member and slidably mounted thereon.

3. The combination with a hammer mechanism having a barrel and hammer member; of a brush consisting of a head, bristles mounted in one end of the head, said head having a posteriorly arranged socket for the reception of said hammer mechanism, said head being disposed to receive the impact of said hammer member against the bottom wall of said socket.

4. The combination with a hammer mechanism having a barrel and a reciprocating hammer slidable therethrough; of a brush consisting of a head, an annular flange on said head forming a socket to receive said barrel, said flange having oppositely arranged slots, said barrel having oppositely arranged threaded sockets adapted to register with said slots, and bolts passed through said slots and into said threaded sockets to retain the head and barrel in slidable connection, said reciprocating hammer impacting with the bottom wall of said first named socket.

5. The combination with a hammer mechanism including a barrel and a reciprocating hammer therein, and a brush head, said head having openings for the introduction of means for connection with said barrel, said hammer adapted to strike the rear face of said brush head.

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

RULISON ARCHER.

Witnesses:
W. L. THORNTON,
R. C. BLACKSTOCK.