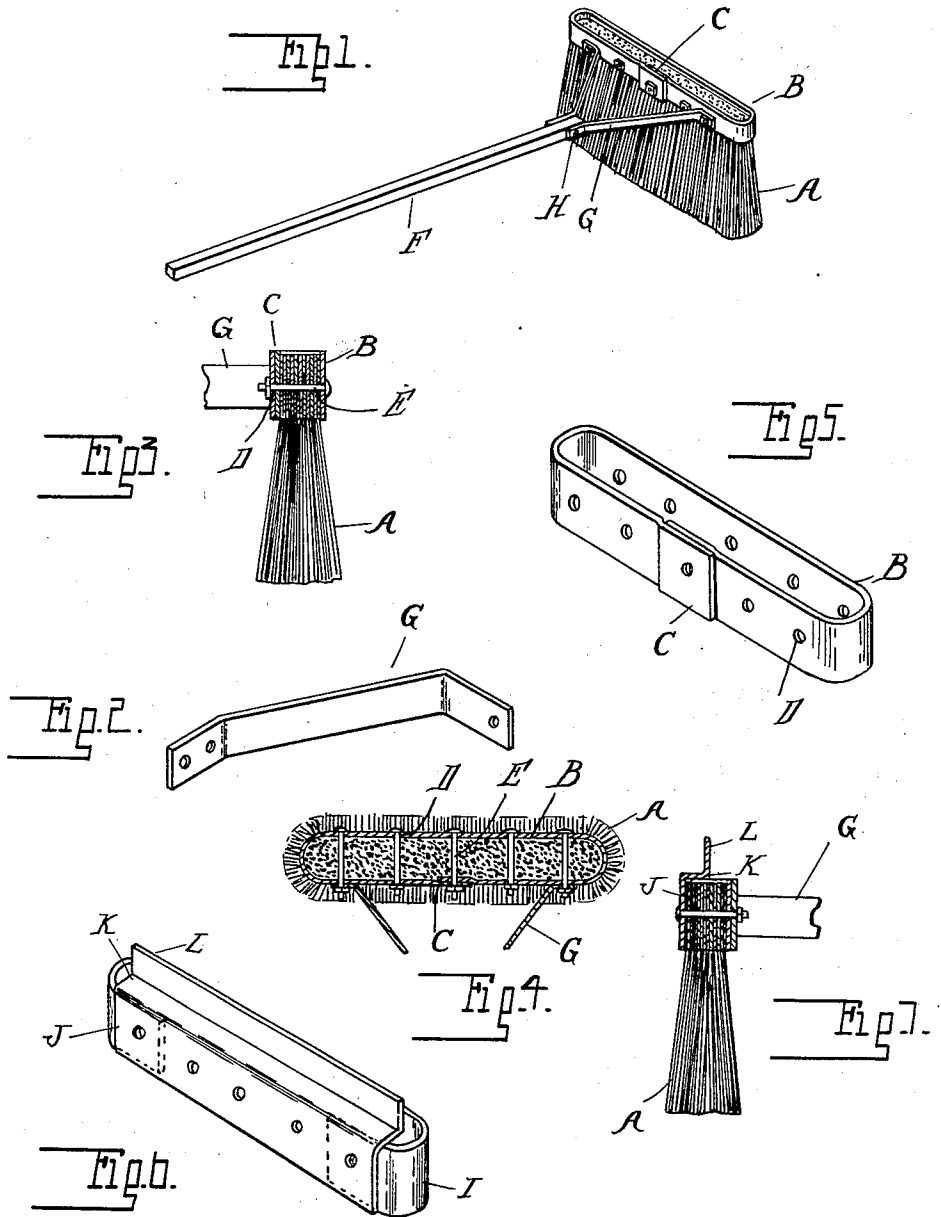


J. W. BERRY.
 STABLE AND STREET BROOM.
 APPLICATION FILED OCT. 5, 1912.

1,069,379.

Patented Aug. 5, 1913.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES W. BERRY, OF STOCKBRIDGE, MICHIGAN.

STABLE AND STREET BROOM.

1,069,379.

Specification of Letters Patent.

Patented Aug. 5, 1913.

Application filed October 5, 1912. Serial No. 724,135.

To all whom it may concern:

Be it known that I, JAMES W. BERRY, a citizen of the United States of America, residing at Stockbridge, in the county of Ingham and State of Michigan, have invented certain new and useful Improvements in Stable and Street Brooms, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to brooms or brushes more particularly designed for use as a stable or street broom, and the invention consists in the construction as hereinafter set forth.

In the drawings:—Figure 1 is a perspective view of the broom; Fig. 2 illustrates one of the brace members; Fig. 3 is a cross section; Fig. 4 is a horizontal section showing the manner of securing the bristles; Fig. 5 is a perspective view of the metallic brush head with the bristles removed; and Figs. 6 and 7 illustrate a modification of the brush head.

It is one of the objects of the invention to provide a firm and durable connection between the brush and the head to which the handle is attached. This is accomplished by forming the head of a metallic band, having substantially parallel side portions which are firmly clamped upon the ends of the fiber by cross bolts. In addition to this the ends of the fiber are embedded in a plastic substance, preferably asphaltum, thereby preventing disengagement.

In detail, A are the bristles or fiber, preferably formed of thin strips of wood; B is the metallic band forming the head of the brush, having its ends overlapping at C, and being provided with a series of apertures D for the passage of the cross bolts E. In forming the brush a suitable quantity of the fiber is placed within the band B and the interstices are filled with a plastic sub-

stance such as asphaltum. The bolts E are then tightened to firmly clamp the fibers, and after the setting of the plastic substance these are securely held from displacement.

To attach the head B to the handle F a pair of brace members G, preferably formed of bars of metal, are arranged upon opposite sides of the handle, and extend obliquely in opposite directions to the head B. They are secured to the latter by two of the clamping bolts E, while their opposite ends are bolted at H to the handle.

In the modification shown in Figs. 6 and 7 the head is formed of a metallic member I and a metallic member J, the two members forming a band extending completely around the bristles. The member J has an angle portion K extending across the top, forming a projection L that is adapted to serve as a scraper. The two portions of the head are secured together by having the bolts E extend through the overlapping portions thereof. Otherwise the construction is the same as that heretofore described.

The structures before described are capable of being manufactured at small cost, and possess an unusual degree of strength and durability.

What I claim as my invention is:

A broom or brush, comprising bristles or fibers and a head formed of a metallic band extending around the upper ends of said bristles or fibers and secured thereto, said band having an extension projecting laterally across the upper face of the head and terminating in a substantially vertically extending flange positioned intermediate the side edges of the head, forming a scraper.

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

JAMES W. BERRY.

Witnesses:

WM. J. BELKNAP,
JAMES P. BARRY.