

G. KNIERIEMEN.
BRUSH HOLDER.
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999,658.

Patented Aug. 1, 1911.

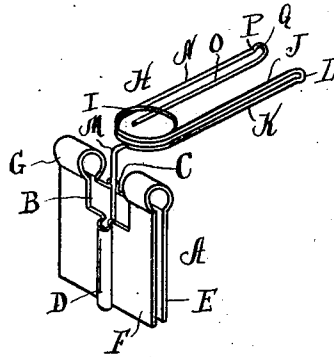


Fig. 1.

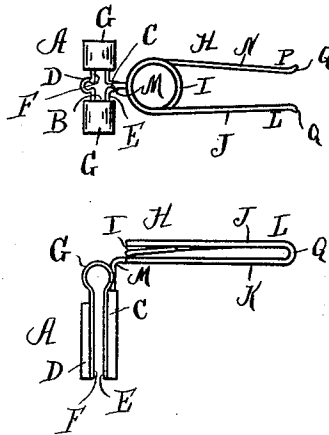


Fig. 2.

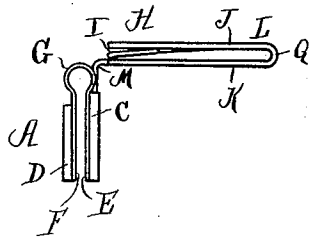


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE KNIERIEMEN, OF ATCO, NEW JERSEY.

BRUSH-HOLDER.

999,658.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE KNIERIEMEN, a citizen of the United States, residing at Atco, in the county of Camden and State of New Jersey, have invented a certain new and useful Improvement in Brush-Holders, of which the following is a specification.

My invention relates to a new and useful improvement in brush holders, and has for its object to provide an exceedingly simple and effective device of this character which may be readily placed upon or removed from a can and when upon the can adapted to hold the brush securely, either upon the inside or the outside of the can, depending upon the position of the clamp.

Another object of the invention is to produce a brush holder in which the member engaging the can may be formed of a single strip of sheet metal which when bent to form will readily conform to the curvature of the can on which it is placed.

A still further object of the invention is to produce a device of the character which will be small and compact, inexpensive in the course of manufacture and one which may be readily applied to different sized cans.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1, is a perspective view of the brush holder made in accordance with my invention. Fig. 2, a plan view thereof on a slightly reduced scale and Fig. 3, a side elevation thereof.

In carrying out my invention as here embodied, A represents the holding member which is formed with a single piece of sheet metal having a central perforation B formed therein, this member is then bent or crimped longitudinally to form a socket C and an off-set D, the off-set being necessary to compensate for the metal utilized in forming the socket C, the blank is then bent laterally at its central point in this way forming a back plate E and a front plate F, the

point where the blank is bent taking the outline of a circle as indicated by G so that a spring motion is produced for the plates to normally hold them parallel or in proximity to one another. From this description it will be seen that by placing the holding member upon a can so that the back plate E rests against the inner surface of the can and the front plate F against the outer surface of the can.

The off-set D and the socket C permitting the plates to bend longitudinally, at these points, so that said plates will conform with the curvature of the can, the curving portion or spring G will cause the plates to lie securely against the faces of the can and at the same time the corners formed between the plates and the spring portion G will clamp beneath the ring or ledge formed at the top of the can preventing the withdrawal of the holding member. H denoting the spring clamp formed of a single piece of wire coiled upon itself at I to strand J then extending outward therefrom and being bent upon itself as in K, forming the arm L, said strand K being carried back and produced to coincide with the coiled portion then bent downward to form a shank M which is inserted in the socket C for holding the spring clamp to the holding member, the other end of the wire is carried outward as at N approximately parallel with the strand J and this is also bent upon itself as at O forming the arm P.

In practice when the device is placed upon a can should the mechanic desire to change brushes or to be relieved of the brush in hand it is only necessary to force the handle between the arms L and P of the spring clamp and the insertion is readily made since the outer ends of the arms are bent outward as at Q.

Of course I do not wish to be limited to the exact details of construction as here shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

1. A brush holder comprising a holding member formed of a single piece of metal crimped longitudinally to form a socket and an off-set and bent laterally to produce a front and back plate and a spring clamp carried by the holding member.

2. In a brush holder a holding member formed from a single strip of sheet metal having a central aperture therein, said strip of metal being crimped longitudinally to
5 produce a socket and an off-set and bent laterally to produce a front plate and a back plate the off-set and socket permitting the plates to conform to the curvature of the can and a spring clamp carried by the
10 holding member for the purpose set forth.

3. In a brush holder a holding member formed from a single strip of sheet metal having a central aperture therein, said strip of metal being crimped longitudinally to
15 produce a socket and an off-set and bent laterally at its central point to produce a front and back plate, the point where it is bent being produced in a circle to form a spring for holding the plates in proximity
20 to one another and a spring clamp carried by the holding member.

4. In a brush holder a holding member formed from a single strip of sheet metal having a central aperture therein, said strip
25 of metal being crimped longitudinally to

produce a socket and an off-set and bent laterally at its central point to produce a front and back plate, the point where it is bent being produced in a circle to form a spring for holding the plates in proximity
30 to one another and a spring clamp carried by the holding member, said spring clamp comprising a single piece of wire coiled upon itself one end then extending outwardly and bent upon itself to form an
35 arm this strand being carried downward to form a shank which is inserted in the socket of the holding member the other end of said wire being carried outward approximately
40 parallel with the arm, the latter strand also being bent upon itself to produce a second arm.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

GEORGE KNIERIEMEN.

Witnesses:

EDW. W. AUSTIN,
M. E. YOST.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
