(No Model.)

A. HANKEY.

METALLIC BRUSH.

No. 541,537. Patented June 25, 1895.

Fig. 1.

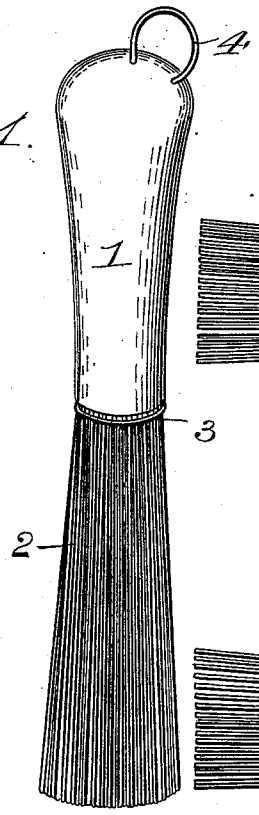


Fig. 2.

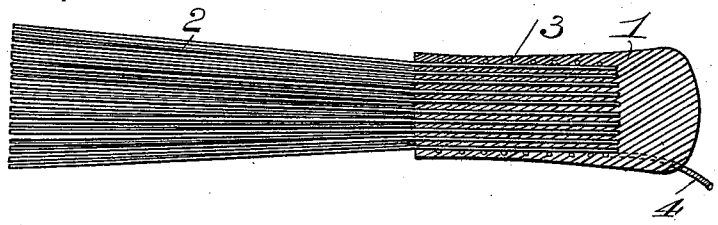
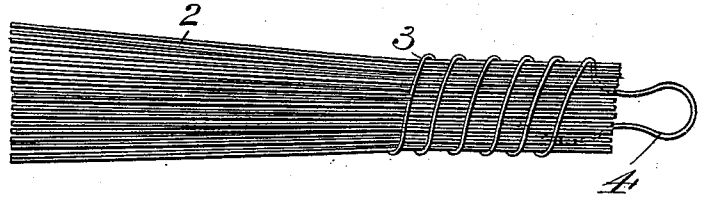


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

ANTON HANKEY, OF TELLER, COLORADO.

METALLIC BRUSH.

SPECIFICATION forming part of Letters Patent No. 541,537, dated June 25, 1895.

Application filed September 24, 1894. Serial No. 523,975. (No model.)

To all whom it may concern:

Be it known that I, ANTON HANKEY, a citizen of the United States, residing at Teller, in the county of Mineral and State of Colorado, have invented certain new and useful Improvements in Metallic Brushes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention consists in a novel all-metal brush designed for cleaning pots, pans, spiders, and other metal cooking vessels used in the kitchen; which cannot be thoroughly cleaned with the brushes now in use, but which this device will effectually and thoroughly clean both on the outside and inside.

My invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a side perspective view of my metal-cleaning brush. Fig. 2 is a central longitudinal sectional view of the same. Fig. 3 is a detail view.

My novel metal cleaning brush is formed of a group or bunch of wire "bristles," 2, formed of pieces of wire of suitable thickness cut of the desired length. This bunch is wrapped at the butt or handle-end with a binding-wire, 3; and this wire and the entire butt are then inclosed in a metal handle, 1, which is molded or cast on the bunch of wires. It will be seen that when the wrapped butt of the bunch of brush-wires 2 is inserted in the mold in which the metal handle is poured in a molten or liquid state, the molten metal will enter the crevices between the numerous wires in the butt of the bunch, so that when cooled and hardened the butt of the wires, the binding-wire 3, and the metal handle will form an integral mass. The outer end of the binding-wire is bent to form a top-ring, 4, which when the handle has hardened projects from the top of the same, and affords a convenient means for hanging up the brush on a nail or hook.

By scraping the surface of pots, pans, &c., with the free ends of the brush wires, the dirt, grease, &c., which may have adhered and hardened on the metal vessels are effectually cut or scraped off, thoroughly cleaning both the inside and the outside of such utensils, in a more perfect manner than has been heretofore possible as will be readily understood by all familiar with such work. It will be seen that this device, a new article of manufacture, is very simple, compact, and extremely durable. By forming it with the metal handle which is solidified on the wrapped butt of the wire-bunch as described, the wires become practically an integral part of the metal handle, so that it will be impossible for them to pull or drop out or become loose in use; and they will thus hold in position until they are worn down to the handle by long use. The top supporting ring, 4, likewise cannot pull out, as it becomes an integral part of the metal handle.

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

A metal brush composed of a bunch of wires, a binding wire wrapped about the butt end of the bunch of wires, and having one end extended and formed into a suspending ring, and a handle cast or molded upon the binding wire to secure it, the ring, and the individual wires of the bunch together, substantially as and for the purpose described.

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

ANTON HANKEY.

Witnesses:
CHARLES A. JANES,
MORTIMER HALL.