(No Model.)

A. S. FLINT.

BROOM SOCKET.

No. 265,052. Patented Sept. 26, 1882.

Fig. 1.

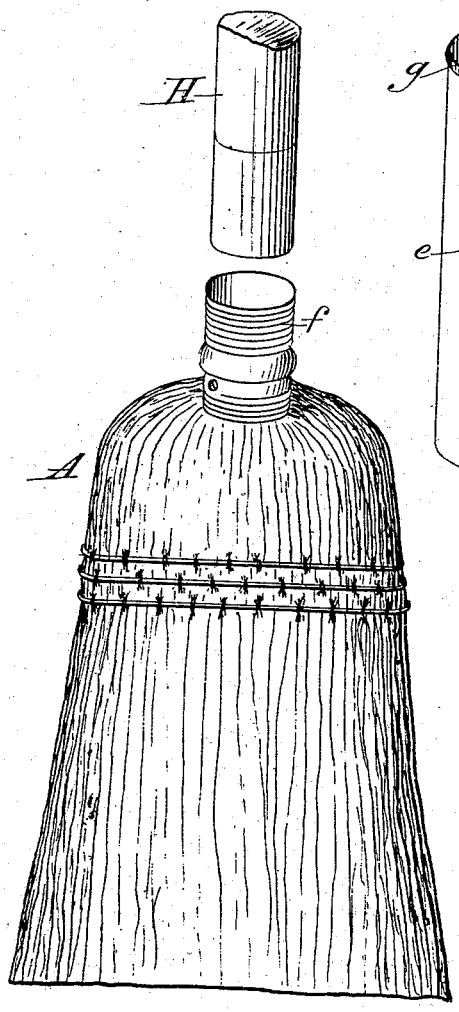


Fig. 3.

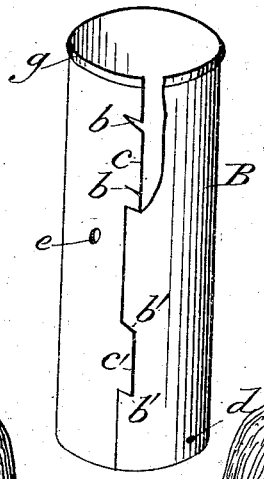


Fig. 2.

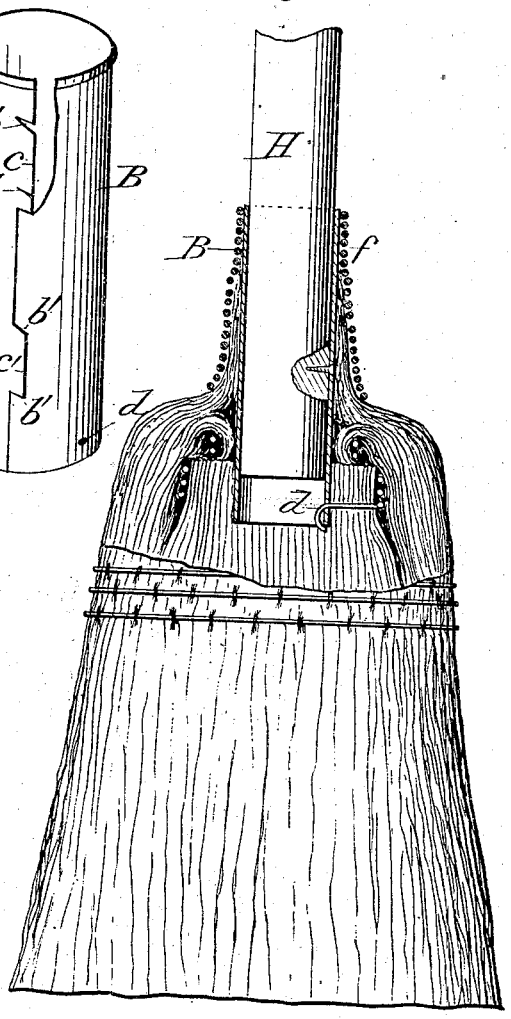
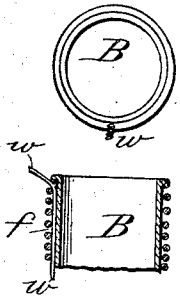


Fig. 4



Attest:
H. H. Schott
Jno. A. Stockman

Inventor:
Alvah S. Flint
By John C. Tasker
Atty.

UNITED STATES PATENT OFFICE.

ALVAH S. FLINT, OF CRETE, NEBRASKA.

BROOM-SOCKET.

SPECIFICATION forming part of Letters Patent No. 265,052, dated September 26, 1882.

Application filed May 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALVAH S. FLINT, a citizen of the United States of America, residing at Crete, in the county of Saline and State of Nebraska, have invented certain new and useful Improvements in Sockets for Detachable Broom-Handles, of which the following is a specification.

My invention relates to improvements in sockets for detachable broom-handles; and the objects of my invention are, first, to furnish a straight socket for detachable broom-handles which will be simple, cheap, and effective; second, to provide a tin socket having slits and shoulders, whereby soldering is dispensed with; and, third, to furnish a straight socket for detachable broom-handles, which socket is concealed, and may be made of cast-away tin, &c. I attain these objects by the construction and arrangements of the parts as shown in the accompanying drawings, in which—

Figure 1 is a view of a broom provided with my new socket, showing the handle detached. Fig. 2 is a section view, showing the handle attached. Fig. 3 is a view of my new socket provided with slits and shoulders. Fig. 4 represents detailed views showing the small wire *w*.

Similar letters of reference refer to similar parts throughout the several views.

A represents the broom provided with my new socket. It is of such material as brooms are usually made.

B, Fig. 3, is my new socket. It is made of tin, with the slits *b b* cut in it, forming the shoulders *c c*. There are two slits, *b b*, near the top, forming one shoulder, *c*, and two slits, *b' b'*, near the bottom, forming the other shoulder, *c'*. The socket B is made out of one piece of tin and bent around in the shape as shown in Fig. 3, having near the lower end the hole *d*, in which the wire *f* is fastened to commence winding. *e* is a hole on the side of B, through which a screw passes into the handle H to hold it fast in the socket. At the top B is provided with a small ring, *g*, which prevents the wire from slipping off after being wound. The provision of the slits and shoulders does away with soldering, the wire around the socket holding it together firm and secure. A small piece of wire, *w*, is placed between the socket and the wire *f*, the said wire *f* being wrapped tightly on said wire *w*. To the projecting end of the wire *w* the end of wire *f* is fastened, when the broom is complete. (See Fig. 4.)

The manner of construction is as follows: The end of the wire *f* is fastened in the hole *d* and the broom-corn placed around the socket. The wire is then wound tightly around the socket, with the corn between the wire and socket, all the way to the rim of the socket, and made secure to end of *w*. The rim *g* will prevent the wire from slipping off. The wire and corn will entirely conceal the socket, which will make a great saving of expense, as the socket can be made of old tin cans and other cast-away material, which cannot be done with the sockets heretofore made, as they are not concealed and need new material. The broom with my socket thus attached is shown in Fig. 1. The handle H is inserted and a nail or screw passed through the hole *e* into the handle. The wire, when wrapped around the socket, will keep the socket tight without solder being used. The slits cut in the tin form the shoulders and prevent it from closing together. The socket shown in Fig. 3 can be used for all kinds of brooms. In making heavy warehouse-brooms the slits and shoulders can be dispensed with and the socket soldered, otherwise being the same as Fig. 3 in all respects.

My socket is made straight, having no taper, and free from numerous nails and holes, such as are now commonly used. It is evident that with my socket the handle can be attached and detached readily, and admits of the replacement of the handles in the event of breakage, and likewise the handles and brooms can be packed separately in a small space for shipment.

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

1. The combination of the socket B, provided with slits *b b'*, shoulders *c c'*, holes *d* and *e*, with wires *f* and *w*, and broom A, the

socket being concealed and holding a handle, H, substantially as shown and described.

2. The combination of the wire *w* with the socket B and wire *f*, the wire *w* being between the socket B and wire *f*, substantially as shown and described, and for the purpose set forth.

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

ALVAH S. FLINT.

Witnesses:
J. K. COREY,
R. H. FLINT.