

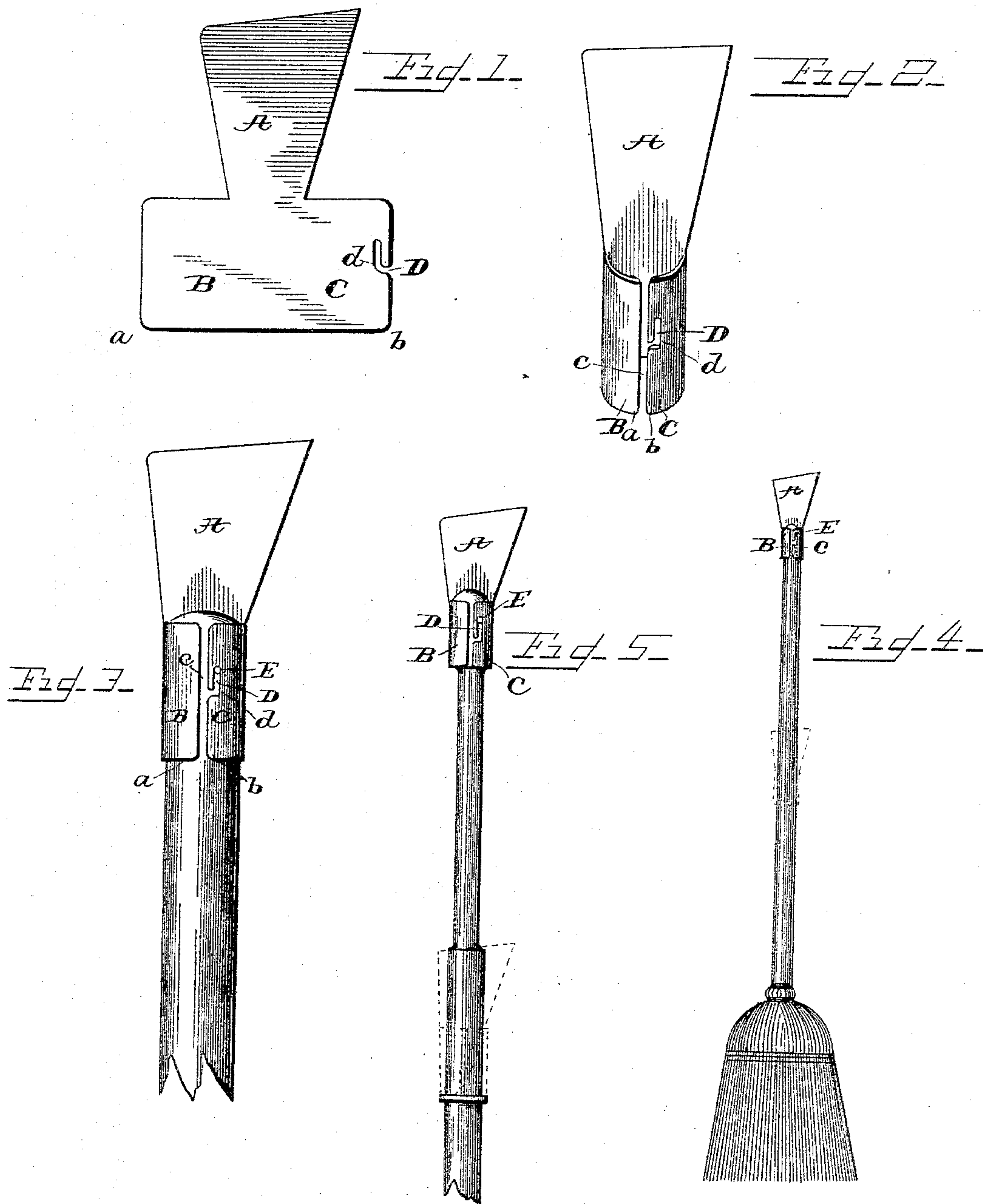
(No Model.)

F. C. SCHROEN.

SCRAPER ATTACHMENT FOR BROOMS OR BRUSHES.

No. 412,002.

Patented Oct. 1, 1889.



Witnesses

G. A. Taubenschmidt,
L. B. Whitaker.

Inventor,

F. C. Schroen

By his Attorneys

Johnston, Reinohl & Dyre

UNITED STATES PATENT OFFICE.

FRANK C. SCHROEN, OF BALTIMORE, MARYLAND.

SCRAPER ATTACHMENT FOR BROOMS OR BRUSHES.

SPECIFICATION forming part of Letters Patent No. 412,002, dated October 1, 1889.

Application filed February 13, 1889. Serial No. 299,721. (No model.)

To all whom it may concern:

Be it known that I, FRANK C. SCHROEN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Scraper Attachments for Brooms, Brushes, &c.; and I do hereby 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.

My invention relates to an improved scraper attachment for brooms, brushes, &c., and has for its object the production of a simple device capable of easy adjustment to a broom or other analogous handle to be used as a scraper.

The invention will be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a plan view of a blank before bending, from which my improved scraper is formed; Fig. 2, a perspective view of the completed article; Fig. 3, the device applied to a handle; Fig. 4, a similar view showing the scraper removed from its working position; and Fig. 5 represents a modification of handle to facilitate the lowering of the scraper.

Reference being had to the drawings and the letters thereon, A indicates the angular blade of the scraper; B and C, spring sides of a sleeve or socket intended to encircle the upper end of a broom or other handle to retain the scraper thereon when in use; D, an angular slot formed in the edge of sleeve C for engagement with a screw or pin E in the handle, which, when thus engaged, locks the device securely in a working position.

The scraper is made of sheet metal by first stamping a blank of the configuration shown in Fig. 1 and then bending the same into the form shown in Fig. 2, thus producing the completed article, which is adjusted on a handle as follows: A screw E having been placed in the upper part of the handle to be used, the spring sides B C of the scraper are forced over the upper end of said handle, the rounded corners *a b* aiding in the operation. This movement is continued until the channel *c*

between the sides B C conducts the screw-head E to the entrance of angular slot D in the side C. The scraper is then turned sharply to the left until the screw comes in contact with the wall *d* of said slot, when the entire device is again forced down, bringing the screw E into the extreme upper end of angular slot D, where it remains, and the scraper is in a locked position. When used on a broom-handle and not in use as a scraper, it may be removed from its position on the end of said handle by first unlocking by a reverse movement from that which locked it. Having been thus freed, the spring sides B C will yield sufficiently to allow the whole device to be slid down the handle a convenient distance, where it may remain, as shown by dotted lines in Fig. 4 and modification, Fig. 5. In the latter figure the handle is shown with an enlargement or head at its outer end, upon which the socket of the scraper fits. By this construction the scraper will slide down the handle easily out of the way of the hands of the person using the broom.

The scraper having been constructed as described, its operation is quite obvious, and therefore need not be dwelt upon at length. It is intended to be put to any and all uses to which a scraping implement can be applied.

Having thus fully described my invention, what I claim is—

1. As an improved article of manufacture, a sheet-metal scraper having an expansible and contractible socket on one side of and parallel with the blade and open at both ends, substantially as described.

2. As an improved article of manufacture, a sheet-metal scraper having an angular front end and an expansible and contractible socket on one side of and parallel with the blade and open on one side and both ends, substantially as described.

3. As an improved article of manufacture, a sheet-metal scraper having a socket open on one side and at both ends and provided with a slot in the wall of the socket, substantially as described.

4. As an improved article of manufacture, a sheet-metal scraper having a projecting blade provided with an angular front end and a

socket open on one side and at both ends, and provided with a slot in the wall of the socket, substantially as described.

- 5 5. A scraper having a socket on one side of the plane of the blade and open on one side and at both ends, in combination with a handle upon which said scraper is constructed to slide freely and to be secured on the end thereof, substantially as described.

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

FRANK C. SCHROEN.

Witnesses:

S. A. TERRY,
WM. E. DYRE.