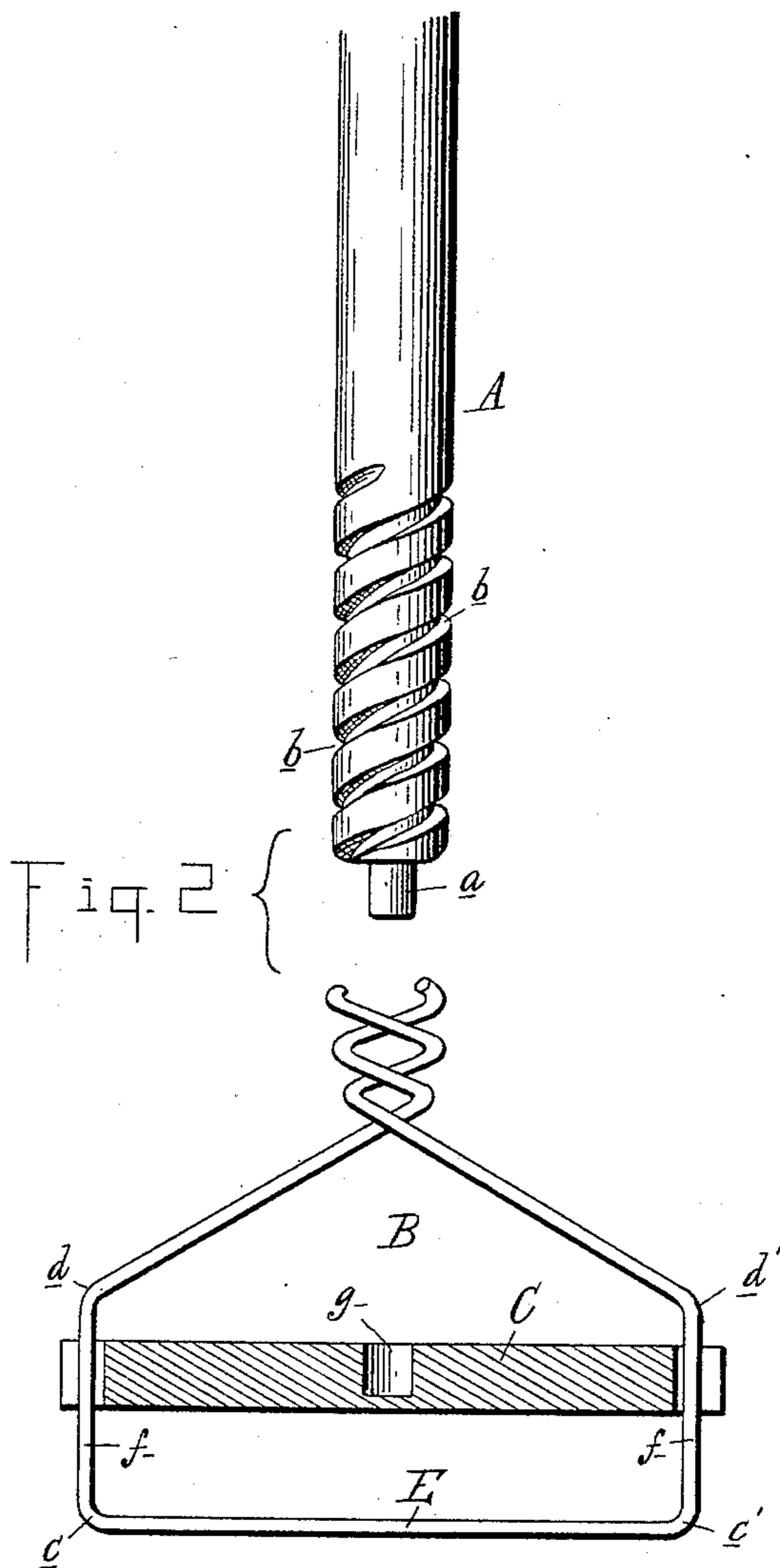
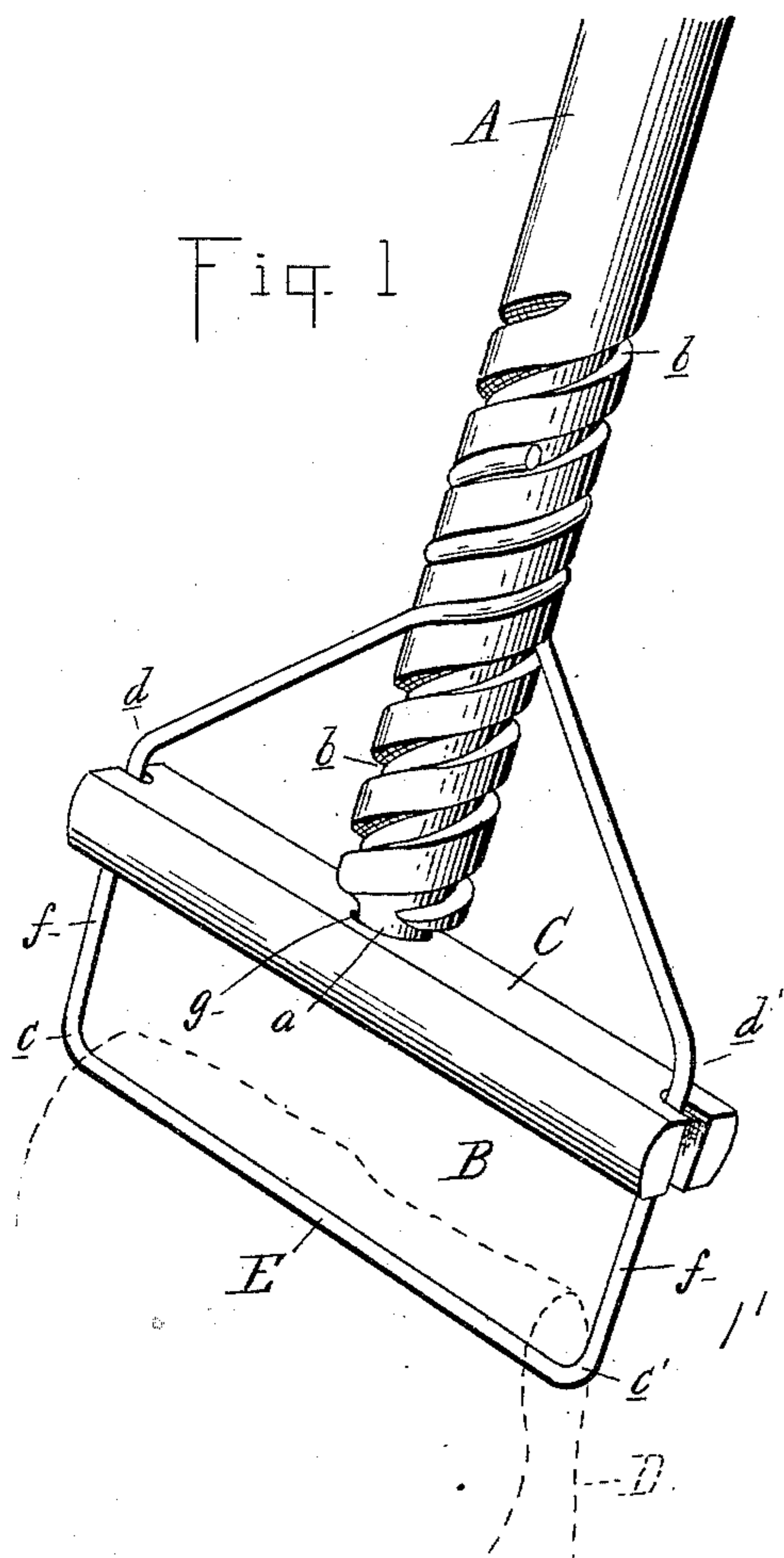


(No Model.)

S. W. C. ADAMS.
MOP.

No. 424,750.

Patented Apr. 1, 1890.



Witnesses:
P. M. Hulbert
Geo. C. Gregg

Inventor
S. William C. Adams
By James Whittemore
Att'y.

UNITED STATES PATENT OFFICE.

S. WILLIAM C. ADAMS, OF READING, MICHIGAN.

MOP.

SPECIFICATION forming part of Letters Patent No. 424,750, dated April 1, 1890.

Application filed August 7, 1889. Serial No. 319,977. (No model.)

To all whom it may concern:

Be it known that I, S. WILLIAM C. ADAMS, a citizen of the United States, residing at Reading, in the county of Hillsdale and State of Michigan, have invented certain new and useful Improvements in Mops, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in mops; and the invention consists in the peculiar construction, arrangement, and combination of the various parts, whereby a simple, cheap, and at the same time an effective device is obtained, all as more fully hereinafter described.

In the drawings which accompany this specification, Figure 1 is a perspective view of my improved mop. Fig. 2 is a view of the handle and mop-head detached.

A represents a wooden mop-handle, the lower end thereof being provided with a centrally-located pin *a* and double screw-threads *b*, which latter are preferably carried some distance up the handle.

B represents the head of my improved mop, and is constructed as follows: I first take a piece of heavy wire of suitable length and make two right-angled bends in the same, as shown at *c c'*. I next bend the ends of the wire toward each other, leaving the parallel sides *f* between the two bends, the ends crossing and being twisted into a suitable spiral, having a common axis to engage with the screw-threads on the lower end of the mop-handle.

C is the clamping-bar slidingly engaging with the parallel sides *f* of the mop-head by means of the slots or notches formed in the ends of the said cross-piece. On its upper side this cross-piece is centrally provided with an aperture *g* to receive the pin *a*. The interlocking spirals of the wires engage upon opposite sides of the handle, one in each screw-thread, and are preferably sprung apart, so as to engage upon the handle under a slight tension.

The parts being thus constructed and ar-

ranged, they are adapted to be used as follows: The handle A is withdrawn to allow of bringing the cross-piece C to its highest position at the bends *d d'*. The cloths D are next inserted between the cross-piece of the mop-head and the part *c''* thereof. By turning the handle in the reverse direction it is screwed downward, carrying with it the clamping-bar and clamping the cloths tightly between the clamping-bar C and the cross-piece E of the wire.

The cross-piece C and the part E may be provided with the usual teeth to better hold the cloths from displacement.

The tension of the interlocking spirals holds the mop-head firmly upon the handle and gives ample friction to prevent the loosening of the cloths in use.

What I claim as my invention is—

1. In a mop, the combination of the following elements: a handle having a double screw-thread at its lower end, a mop-head consisting of a single wire bent as described and having interlocking spirals engaging with said screw-threads, and a sliding clamping-bar engaging upon the sides *f* and recessed to receive the pin *a* of the handle, the parts being arranged to operate substantially as and for the purpose described.

2. In a mop, a handle having a double screw-thread at its lower end, a head adjustably secured thereto by means of interlocking wire spirals engaging into said screw-threads and held therein by means of the tension of the spring-coils, and a clamping-bar recessed to receive the end of the handle and adapted to be clamped upon the mop-cloth by the screw movement of the handle, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 20th day of July, 1889.

S. WILLIAM C. ADAMS.

Witnesses:

O. F. BUELL,
DANIEL DONEY.