

(No Model.)

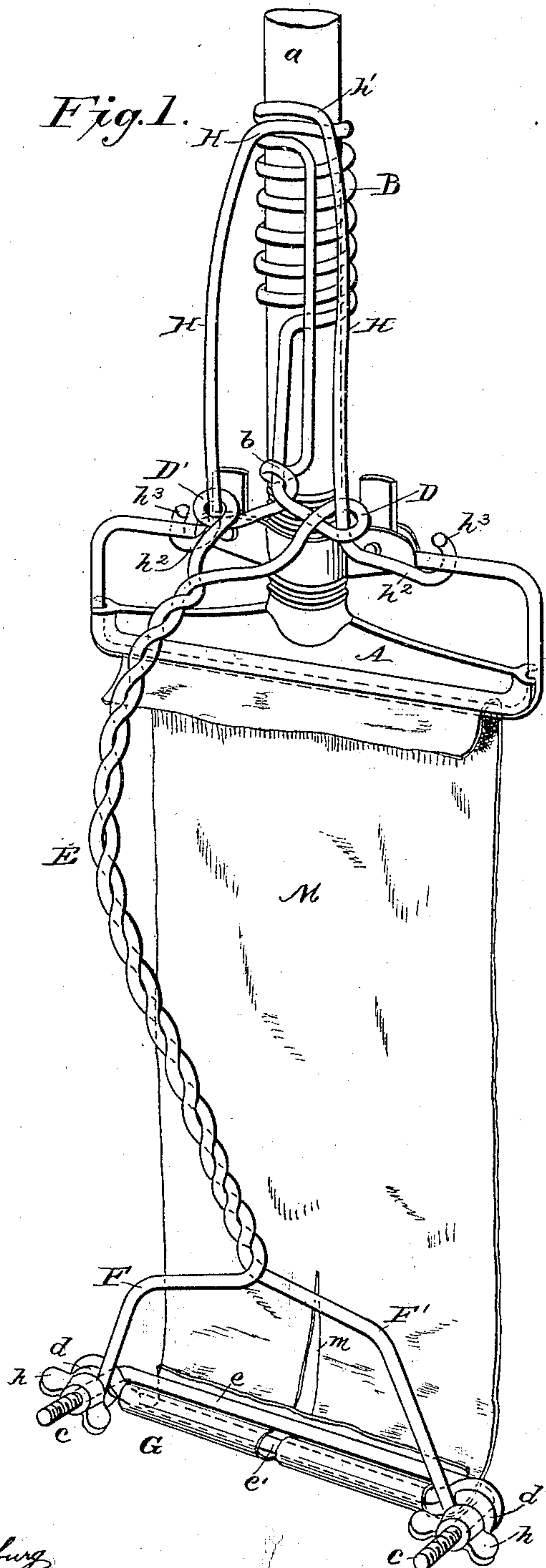
2 Sheets—Sheet 1.

C. MANSBARGER.

MOP ATTACHMENT.

No. 378,605.

Patented Feb. 28, 1888.



WITNESSES:

*George Binkenburg*  
*Co. Sedgwick*

INVENTOR:

*C. Mansbarger*

BY

*Munn & Co*

ATTORNEYS.

(No Model.)

2 Sheets—Sheet 2.

C. MANSBARGER.

MOP ATTACHMENT.

No. 378,605.

Patented Feb. 28, 1888.

Fig. 2.

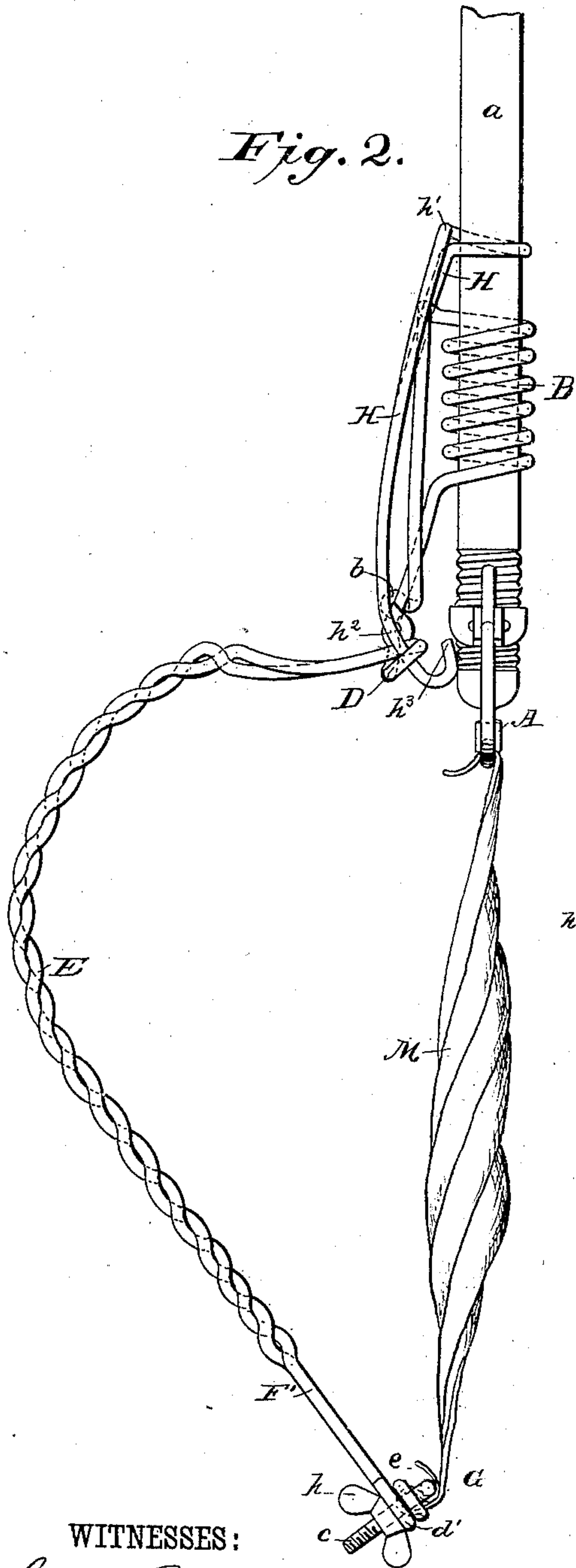
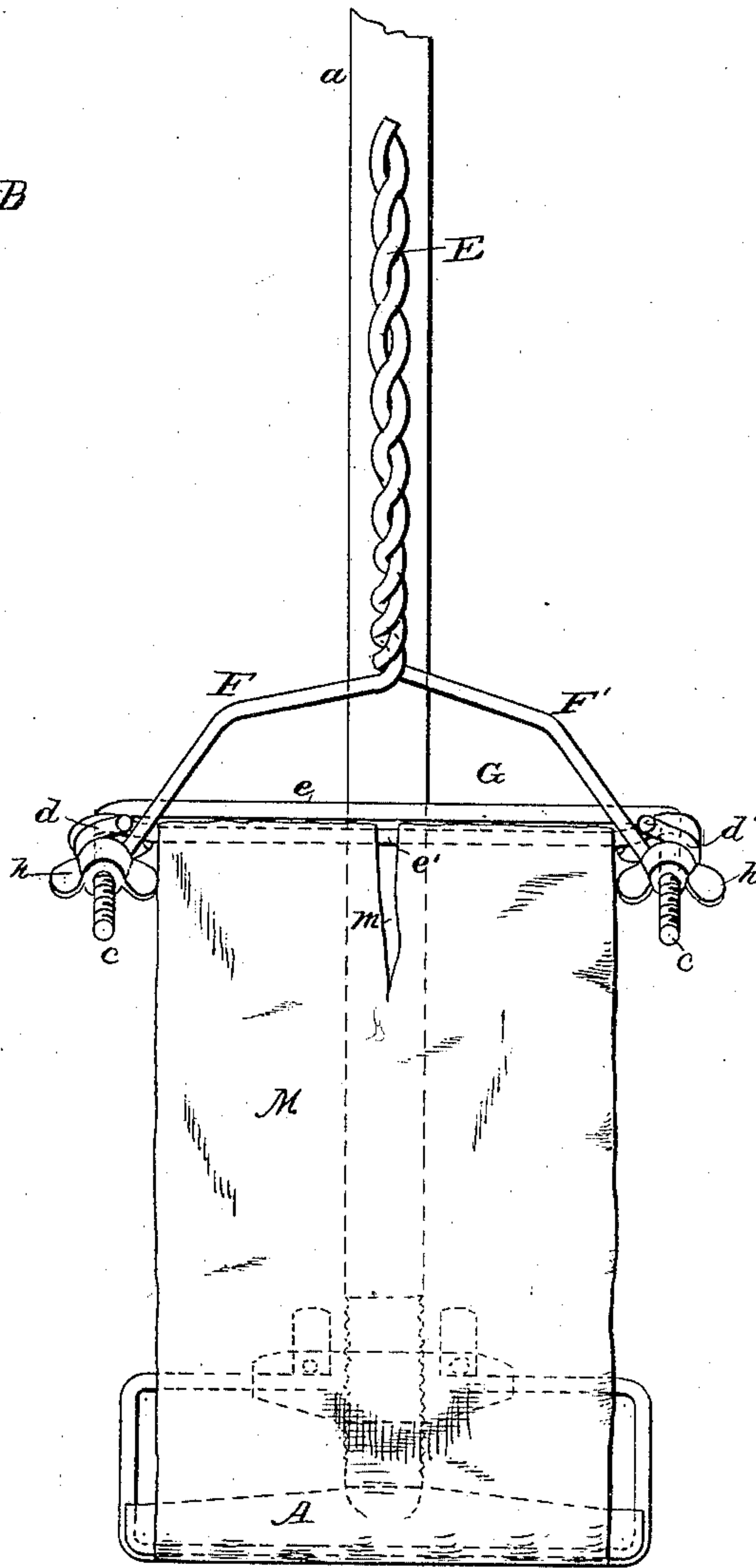


Fig. 3.



WITNESSES:

George Pinkenburg  
C. Sedgwick

INVENTOR:

C. Mansbarger  
BY *Munn & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

CALEB MANSBARGER, OF EAST GREENBUSH, NEW YORK.

## MOP ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 378,605, dated February 28, 1888.

Application filed November 23, 1886. Serial No. 219,690. (No model.)

*To all whom it may concern:*

Be it known that I, CALEB MANSBARGER, of East Greenbush, in the county of Rensselaer and State of New York, have invented a new and Improved Mop Attachment, of which the following is a full, clear, and exact description.

My invention relates to a detachable attachment for use with the ordinary mop-head and handle, and has for its object to stretch the cloth employed horizontally, whereby it is under perfect control of the operator, and wherein the wringing of said cloth may be effected without applying the hands thereto, and wherein, further, the cloth may be drawn tightly over the jaws of a mop-head to facilitate cleaning in corners.

The invention consists in the combination and operation of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my attachment applied to a mop, as used for cleaning floors, walls, and similar places. Fig. 2 is a side view illustrating the mode of wringing, and Fig. 3 a plan view illustrating the cloth drawn over the jaws of a mop for use in corners and other like places.

In the construction and application of my mop attachment I illustrate an ordinary form of mop-head, A, provided with the usual handle, *a*. The body of the attachment is preferably constructed of a single piece of wire bent at the upper end to form a coil, B, adapted to be slid over the mop-handle *a*. The two ends, extending, respectively, from the forward and rear ends of said coil, are projected a distance in parallel lines outward, where the one end is made to overlap the other, as at *b*, each being then extended laterally in opposite directions and bent upon themselves to form eyes D D'. From this point the two ends are carried upward in a curved line, the one twisted around the other and then downward, whereby an arm, E, is produced, adapted to project at an elevation over and beyond the mop-head A, which arm E is made to terminate in spreading ends F F', having eyes *d d'* at their extremities, the position of the said eyes being nearly upon a

horizontal plane with the jaws of the said mop-head.

I now produce a pair of jaws in connection with the bifurcated end of the arm E, and construct the same by bending the threaded ends *c* of a rod, *e*, upward at right angles, and forming eyes in the ends of a similar rod, *e'*, which latter rod is held parallel with the threaded rod *e* by the engagement of the vertical arms *c* with the eyes of the said rod *e'*. The eyes *d d'* of the ends F F' are now entered over the vertical arms *c* upon the eyes of the rod *e'*, and winged nuts *h* are provided to regulate the tension of the jaws, as formed above, which jaws are adapted to be in approximately the same horizontal plane with the jaws of the mop-head A.

As a means of keeping the attachment in proper position with relation to the mop-head, I produce a stay, H, by forming a loop, *h'*, in a piece of stiff spring-wire adapted to encircle the mop-handle above the coil B of the attachment and carry the two ends parallel forward a distance apart through the eyes D D' of the attachment, where the said wire is bent downward and outward to form the arms *h''*, which arms terminate in hooks *h'''*, purposed to clasp the top bar of the mop-head, as shown in Fig. 1, holding thereby the mop-head and attachment in a fixed position.

The cloth, M, used in connection with the attachment is provided with a slit, *m*, at its forward end, for a purpose hereinafter stated, which slit end is entered at the top between the jaws held at the end of the arm E and securely clamped by the set-screws *h*. From thence the other end is carried under the said jaws, as shown in Fig. 1, under and up through the jaws of the mop-head, where it is also firmly clamped. Thus, instead of having a cloth flying about in all directions, liable to spatter adjacent objects, I have a cloth under complete control, which will cover a large surface and perform most effective work with little exertion on part of the operator.

In wringing the cloth when my attachment is used the operator's hands need not come in contact therewith, as the stay H is simply disengaged from the mop-head, the coil B of the attachment being held with one hand, while the mop-head is turned with the other by the handle *a*, as shown in Fig. 2, the slit *m* in the cloth allowing all the water to escape, effectually pre-



venting any stoppage of the same in the folds of the said cloth.

In the event that it is desired to shorten the cloth and clean in corners of the floor or in the 5 corners of window-panes, the attachment is drawn up the handle, as seen in Fig. 2, until the cloth M is drawn tightly, or moderately so, over the jaws of the mop-head A. This feature is particularly advantageous to all persons en- 10 gaged in house-cleaning.

When a clean damp cloth is fastened, as shown in Fig. 1, wall-paper may be dusted off or hard-finished or painted walls thoroughly 15 cleaned either overhead or on the sides with ease.

Instead of wire, malleable castings may be employed in the construction of my attachment, if desired.

Having thus described my invention, what I 20 claim as new, and desire to secure by Letters Patent, is—

The combination, with a mop head and handle, of an attachment consisting of a coil, B, adapted to surround the handle, provided with aligning eyes D D', the integral flexible arm 25 E, extending normally above and beyond the mop-head, said arm provided with a bifurcated end, F F', a detachable stay, H, adapted to enter said eyes D D', the said stay having hook ends  $h^3$ , adapted to clamp the mop-head, and 30 clamping-bars  $e e'$ , carried by said arm E, substantially as shown and described, whereby a cloth is held in a horizontal adjustable position between the mop-head and the clamping-bars  $e e'$ , as set forth.

CALEB MANSBARGER.

Witnesses:

CHAS. L. SWARTZ,  
J. S. POWELL.