

No. 740,756.

PATENTED OCT. 6, 1903.

E. HILKER.
WALL CLEANER.
APPLICATION FILED JULY 29, 1903.

NO MODEL.

Fig. 1.

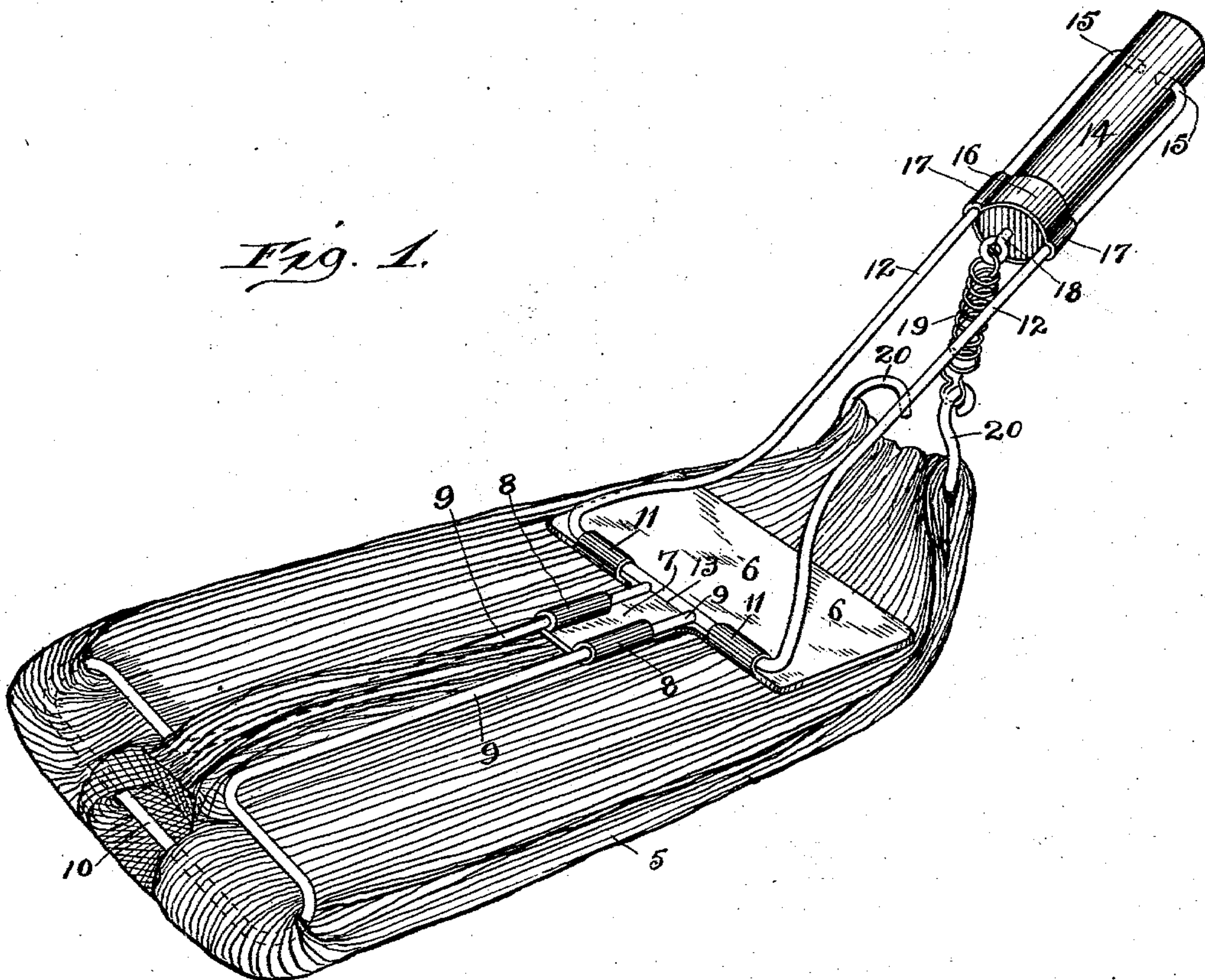
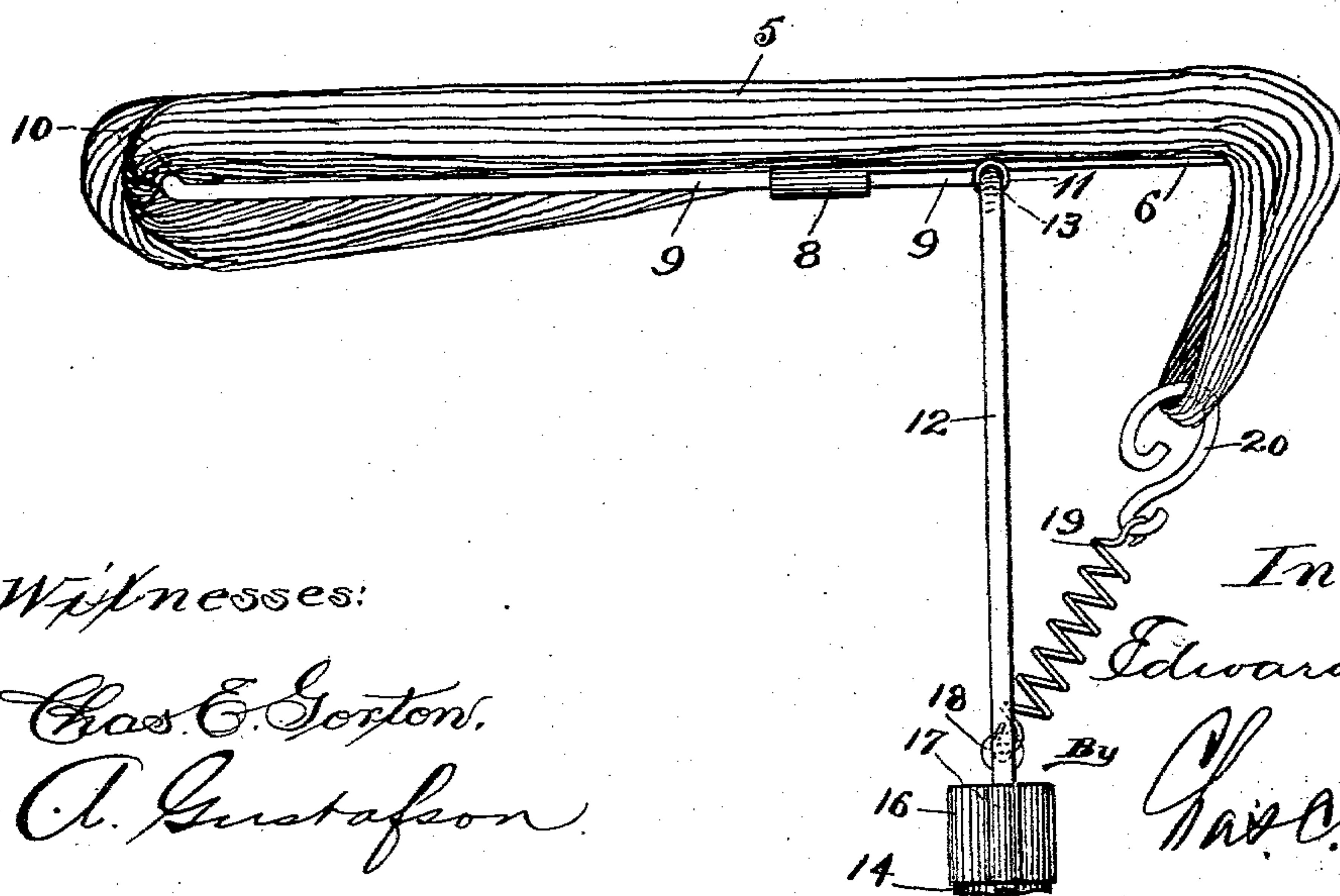


Fig. 2.



Witnesses:

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WALL-CLEANER.

SPECIFICATION forming part of Letters Patent No. 740,756, dated October 6, 1903.

Application filed July 29, 1903. Serial No. 167,391. (No model.)

To all whom it may concern:

Be it known that I, EDWARD HILKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wall-Cleaners, of which the following is a specification.

This invention relates to improvements in a device to be used for cleaning walls, ceilings, and other surfaces, and the objects are to provide a new and improved implement of the kind named and for the purpose of wiping, cleaning, or rinsing windows, walls, ceilings, floors, and other surfaces which is of simplified construction, efficient in operation and results, and durable in use.

With these objects in view the invention consists in the novelty of certain parts and their particular arrangement and aggroupment in operative combinations, as will be hereinafter set forth, and particularly pointed out in the claims.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of a wall-cleaner embodying my invention, showing the parts in the positions they will occupy when the device is being used for cleaning a wall, floor, or other surface; and Fig. 2 is a view in side elevation, showing the positions the parts will occupy when the cleaner is being used for wiping or cleaning a ceiling.

Like numerals of reference refer to corresponding parts throughout both views of the drawings.

The holder or head for the wiping or cleaning cloth 5 comprises a plate 6, having at the central portion on one of its edges, which I will term its "front" edge, a forwardly-projecting portion 7, which has its side edges bent to form sockets 8 for the reception and operation of the inner portions of the members 9 of the cloth-holder extension, which is made of one piece of wire bent to form the parallel members 9, having at their outer ends the transverse loop 10 to receive the front portion of the mop or wiping-cloth 5, which is usually in the form of a hank or loop, as is clearly shown in the two views of the drawings. The

front edge of the plate 6 is also provided with bent portions 11 to form bearings for the handle extension, which comprises a piece of wire bent to form two substantially parallel members 12, connected together at their lower ends by means of a transverse portion 13, which is located in the curved portions or bearings 11 of the plate 6, forming a part of the holder. The upper portions of the members 12 of the handle extension are located alongside of the handle 14 and preferably have their upper ends inturned, as at 15, and embedded therein. Surrounding the lower portion of the handle 14 is a ferrule or collar 16, which has enlargements 17 diametrically opposite each other to receive the members 12 and to more firmly secure them to the handle. Connected to the lower end of the handle 14, usually by means of a screw-eye 18, is one end of a spiral spring 19, the other end of which is engaged by a hook 20, which receives and holds the upper or rear portion of the wiping-cloth or mop 5, as is apparent.

From the foregoing and by reference to the drawings it will be clearly understood that by assembling the parts as above set forth and shown the holder comprising the plate and holder extension will rest on one surface of the cloth 5, the spring 19 serving to hold the same substantially taut, so that the opposite surface of the cloth may be used for wiping or cleaning the wall, ceiling, or other surface, which operation, as the handle extension comprising the members 12 and the portion 13 is pivotally secured to the holder, will permit the holder and the cloth thereon to assume the proper angles or positions with respect to the handle as to enable a larger or smaller area of the cloth to be brought into contact with the surface being cleaned. The holder extension comprising the members 9 and portion 10 being detachably secured to the projection 7 of the plate 6, it is apparent that when one side of the cloth shall have become soiled it (the cloth) may be disengaged from the hook 20 and the holder extension removed, so that the cloth may be reversed or the opposite side thereof used.

It is further apparent that as the members 9 are separated the cloth may be placed thereon, as well as on the hook 20, without cutting the same.

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

1. The combination with the head or holder 5 comprising a plate and a holder extension detachably connected thereto, of a handle pivotally connected to the plate, a spring connected at one of its ends to the lower portion of the handle, a hook on the other end of the 10 spring, and a cloth connected at one of its ends to the outer end of the holder extension and at its other end to said hook, substantially as described.

2. The combination with the head or holder 15 comprising a plate having a projection at one of its edges provided with sockets at its edges, and a holder extension comprising a piece bent to form two parallel members to fit in said sockets and connected at their outer 20 ends by a transverse loop, of a handle pivotally connected to the plate, a spring secured at one of its ends to the lower portion of the handle, a hook on the other end of the spring, and a cloth connected at one of its ends to 25 the transverse portion of the holder extension and at its other end to said hook, substantially as described.

3. The combination with a plate having at one of its edges a projection provided with sockets at its edges, said plate also having 30 curved portions near said projection to form bearings for the handle extension, of a holder extension comprising two parallel members provided at one of their ends with a transverse loop and having their other ends lo- 35 cated in said sockets, a handle extension comprising a piece bent to form two substantially parallel members connected at one of their ends by a transverse portion located in the bearings therefor on the plate, a han- 40 dle located between the parallel members of the handle extension, a collar surrounding said extensions and the lower portion of the handle, a spring secured at one of its ends to the handle, a hook on the other end of the 45 said spring, and a cloth connected at one of its ends to the transverse portion of the holder extension and at its other end to said hook, substantially as described.

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Witnesses:

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