

(No Model.)

W. W. CROOKER.

DEVICE FOR INKING THE SOLES OF BOOTS OR SHOES.

No. 370,452.

Patented Sept. 27, 1887.

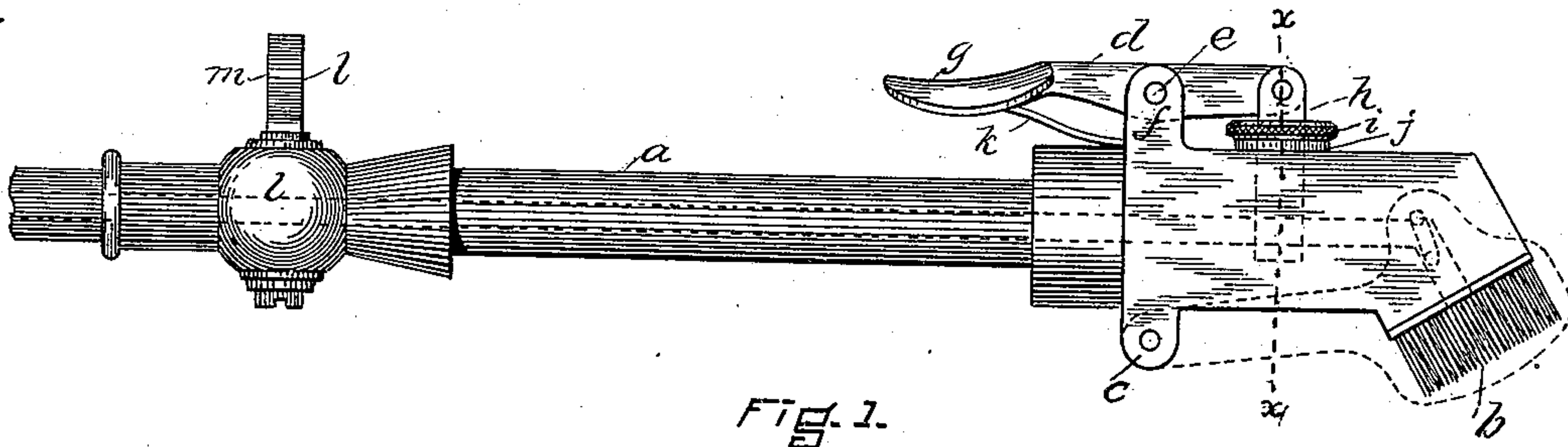


FIG. 1.

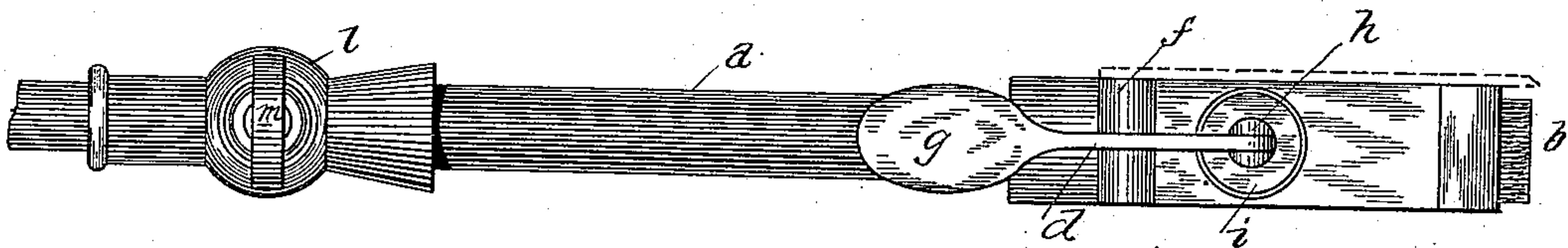


FIG. 2.

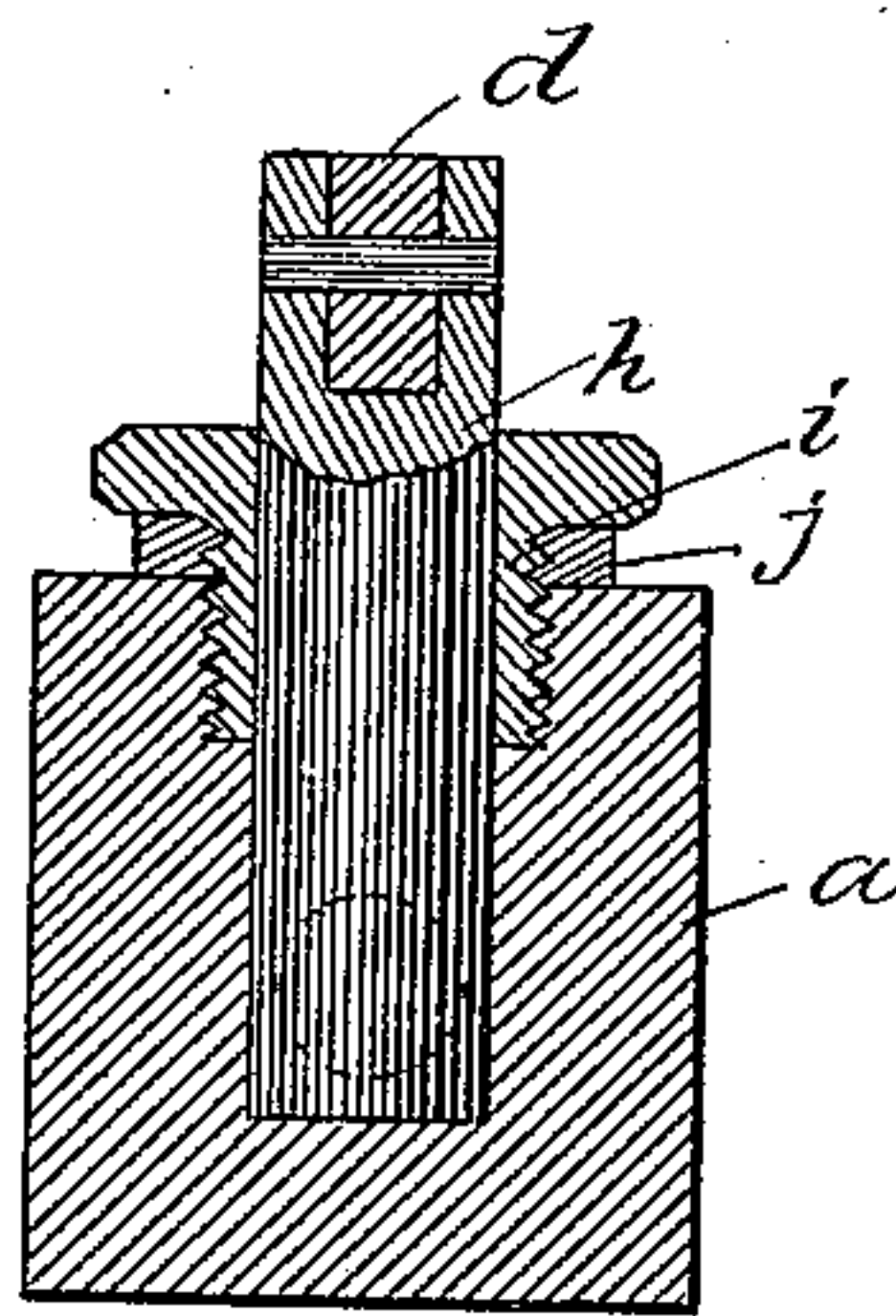


FIG. 3.

WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM W. CROOKER, OF LYNN, MASSACHUSETTS.

DEVICE FOR INKING THE SOLES OF BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 370,452, dated September 27, 1887.

Application filed January 20, 1887. Serial No. 224,882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. CROOKER, of Lynn, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Devices for Inking the Edges of Soles of Boots or Shoes, of which the following is a specification.

My invention, relating to devices for inking the edges of soles of boots or shoes, embraces improvements on the contrivance shown and described in my application, No. 220,653, filed in the United States Patent Office December 4, 1886, the object of my present improvements being to control the flow of ink to the brush. It is desirable that no more ink should flow through the device to the brush than is absorbed by the work being performed, and that the moment actual work with the brush ceases the supply of ink thereto should be stopped, as it should be begun or opened the instant work is commenced.

In the accomplishment of these desired ends my invention consists in the combination, with the reservoir-handle, of a valve of the construction and operated and controlled as hereinafter described, and in the combination, with said reservoir-handle and valve, of a regulating-cock, all as I will now proceed to explain and claim.

Reference is to be had to the accompanying drawings, and to the letters of reference marked thereon, forming a part of this specification, in which drawings—

Figure 1 represents a side elevation, partially in section, of a device embodying my invention. Fig. 2 is a top plan view of the same; and Fig. 3 represents a section on the line *x x*, Fig. 1, drawn to an enlarged scale.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* indicates the handle, provided with a bore sufficient in diameter to permit the maximum amount of ink required for any purpose to flow therethrough to the brush *b*. For the sake of clearness of illustration, the yielding guard adapted to enter the crease between the sole and upper to protect the latter from ink is not here shown, the lug *c* being provided for attaching this device to the handle.

d indicates a lever fulcrumed on a pivot, *e*, in ears or lugs *f*, projecting up from the handle,

which lever is provided at its rear end with a thumb-plate, *g*. At its forward end lever *d* is pivotally connected with the upper end of a plug-valve, *h*, which passes through a bushing, *i*, and into the handle *a* to a depth slightly below the bore in said handle. Said plug-valve is somewhat larger in diameter than said bore, as represented in Fig. 2, so that when in its normal or lowermost position it will form a complete cut-off in the bore between the brush and the other part of the handle. The bushing *i* has a screw-threaded connection with the handle, which permits of a packing-washer, *j*, being arranged around said bushing and between the head thereof and the handle, and so compressed between the two parts last mentioned as to effectually "pack" the same against any leakage of the ink.

k indicates a spring having one end secured to the handle and the other bearing upward against the under side of the rear end of lever *d*, to normally hold the same in position to keep the plug-valve closed.

l indicates a stop-cock of ordinary construction, preferably secured to the handle at the end opposite that at which the brush is attached thereto, said stop-cock being provided with a thumb-piece, *m*, whereby it may be operated to admit only as much ink through the handle as the brush will require for the work it has to perform.

The operation of my invention is as follows: The width of the edge of the sole and the character of the work determining the amount of ink that should be supplied to the brush, cock *m* is opened to the necessary extent, and the moment the work is to be commenced the operator presses with his thumb on thumb-plate *g* of lever *d*, said thumb-plate being arranged at the point where this operation can most conveniently be performed, which movement raises the plug-valve *h* and permits the ink to flow out on brush *b*. The moment the work ceases the operator removes his thumb from lever *d*, when spring *k* operates to close valve *h* and completely stop the flow of ink to the brush.

It will be seen that the supply of ink to the brush is regulated by cock *m*, while valve *h* operates to admit such supply to said brush or stop it altogether, so that the flow may be

utilized when work is being performed and stopped to prevent waste when it is not needed.

What I claim is—

1. In a sole-edge-inking device, a hollow
5 handle, a lever pivoted on said handle, a plug-
valve slightly larger in diameter than the bore
in the handle, adapted to enter the latter to a
depth somewhat below said bore, a bushing
having a screw-threaded connection with said
10 handle, through which said plug-valve oper-
ates, the latter device being pivoted to one
end of said lever, a spring adapted to operate
on the lever to hold the valve in closed posi-
tion, and a stop-cock, *l*, all constructed, com-
15 bined, and operating substantially as and for
the purposes set forth.

2. In a sole-edge inking device, a hollow
handle, lever *d*, pivoted thereon, plug-valve
h, bushing *i*, packing-washer *j*, spring *k*, and
stop-cock *l*, all constructed, arranged, com- 20
bined, and operating substantially as and for
the purposes hereinbefore set forth.

In testimony whereof I have signed my name
to this specification, in the presence of two sub-
scribing witnesses, this 14th day of January, 25
A. D. 1887.

WILLIAM W. CROOKER.

Witnesses:

ARTHUR W. CROSSLEY,
C. F. BROWN.