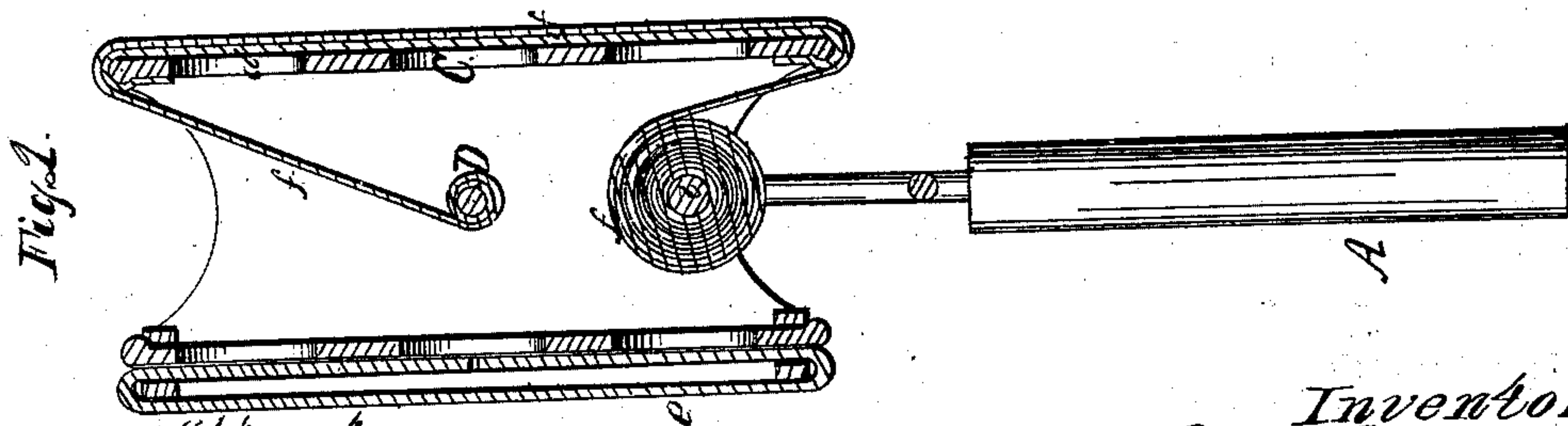
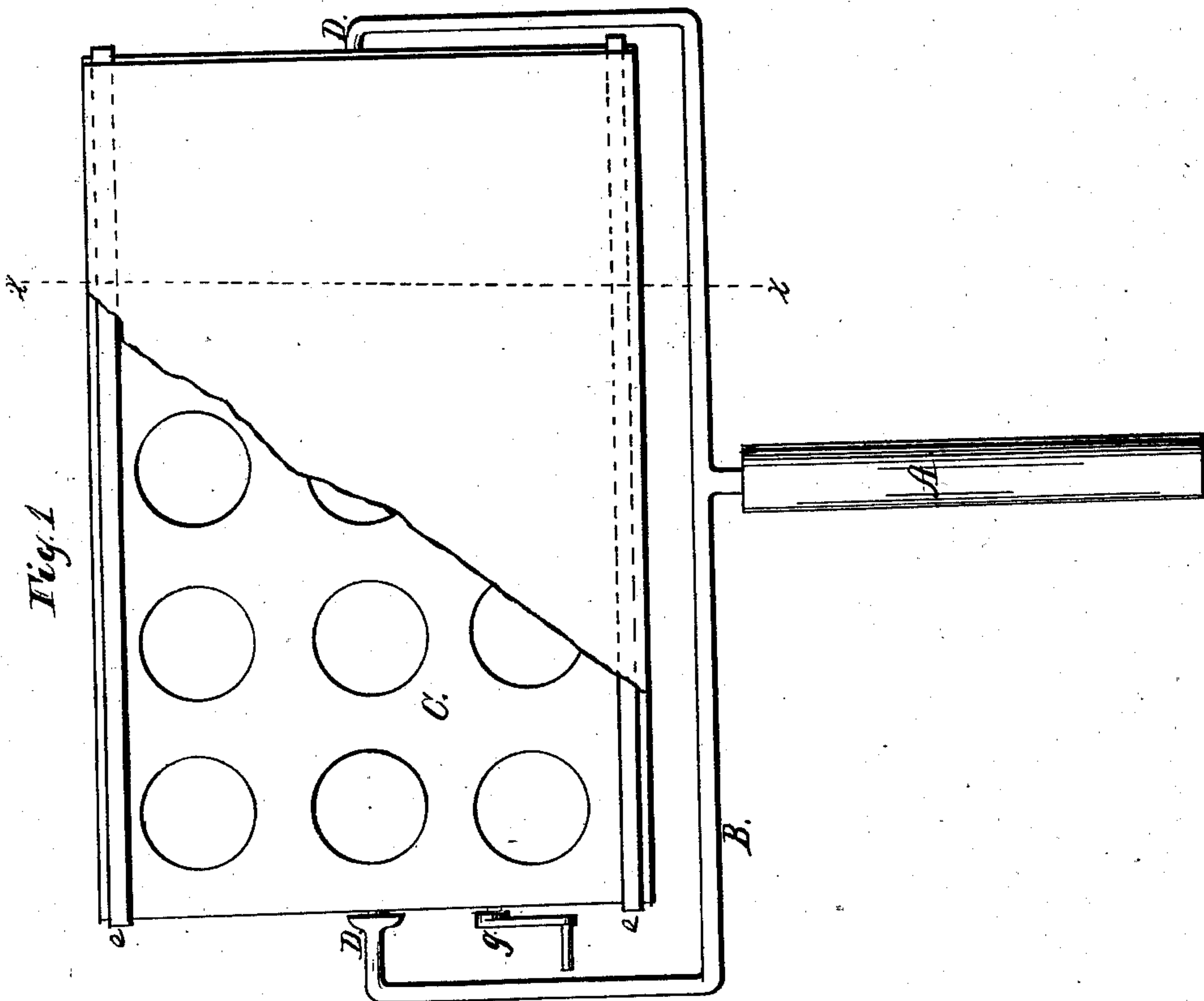


B. F. Burgess, Jr.,

Window Washer.

N^o 80,330.

Patented July 28, 1868.



Attest:

*Wm A Morgan
& Co. Notary*

*Inventor:
B. F. Burgess, Jr.
per Wm A Morgan
Notary*

United States Patent Office.

B. F. BURGESS, JR., OF BOSTON, MASSACHUSETTS.

Letters Patent No. 80,330, dated July 23, 1868.

IMPROVED WINDOW-SCRUBBER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, B. F. BURGESS, Jr., of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and improved Window-Wiper; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method for cleaning windows, and it consists in arranging on a handle (of any desired length) a revolving frame, made of tin or other suitable material, and attaching rollers thereto, on which wiping or washing-cloths are wound and unwound, as will be hereinafter described.

Figure 1 is a side view of the machine, showing the wire frame, which forms the pivot or rod for the revolving frame to turn on, and also the revolving frame attached thereto, and the crank by which the shaft is turned, upon which the wiping-cloth is rolled.

Figure 2 is a cross-section of fig. 1, through the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the handle, which may be of any desired length.

B is the wire frame, to which the handle is attached by a shank, as seen.

C is a frame, constructed of tin or other suitable material. It is rectangular in shape, with perforations through its sides for lightening it.

The wire frame B extends through it, and forms a bearing, D, upon which the frame revolves, as seen in the drawing.

One side of the frame C is covered with a wash-cloth, which cloth is secured to the side by detachable elastic bands, *e*, or by any other suitable method. The other side of C is first covered with a rubber or elastic fabric or padding, *d*, seen in yellow color in fig. 2. Over this the wiping-cloth *f* is drawn.

This cloth is attached to and rolled around a shaft, *i*, which passes longitudinally through the frame, to one end of which shaft the crank *g*, by which the shaft is rotated, is attached.

The other end of the cloth is attached to the central rod D of the supporting-frame B, and is arranged so that when it rolls on to one rod or shaft, it unrolls from the other, and *vice versa*.

This winding and unwinding on and off the shaft *i* is done by the crank *g*. The slack is taken up and wound around the rod D by turning the frame on the rod.

The cloth, *f*, may be of any desired length, and is unrolled from *i* and rolled on to D as fast as the surface gets soiled or dirty by contact with the window.

The cloth upon the other side of C, which is secured by the elastic bands *e*, may be exchanged for chamois-skin or any other article for drying and polishing the glass.

The window-wiper is adapted to inside as well as outside cleaning of windows, and its advantages over all other methods will be apparent to all at a glance.

I claim as new, and desire to secure by Letters Patent—

A window-wiper, constructed substantially as described, that is, by the combination of the supporting-frame B and the rotating frame C, arranged substantially as shown, whereby the cloth is attached to the frame, and operated as and for the purposes described.

B. F. BURGESS, JR.

Witnesses:

ALVERDO MASON,

BARNARD STONE.