

No. 630,843.

Patented Aug. 15, 1899.

J. BARBERO.
GLASS OR BOTTLE WASHER.

(Application filed Jan. 17, 1899.)

(No Model.)

Fig. 1.

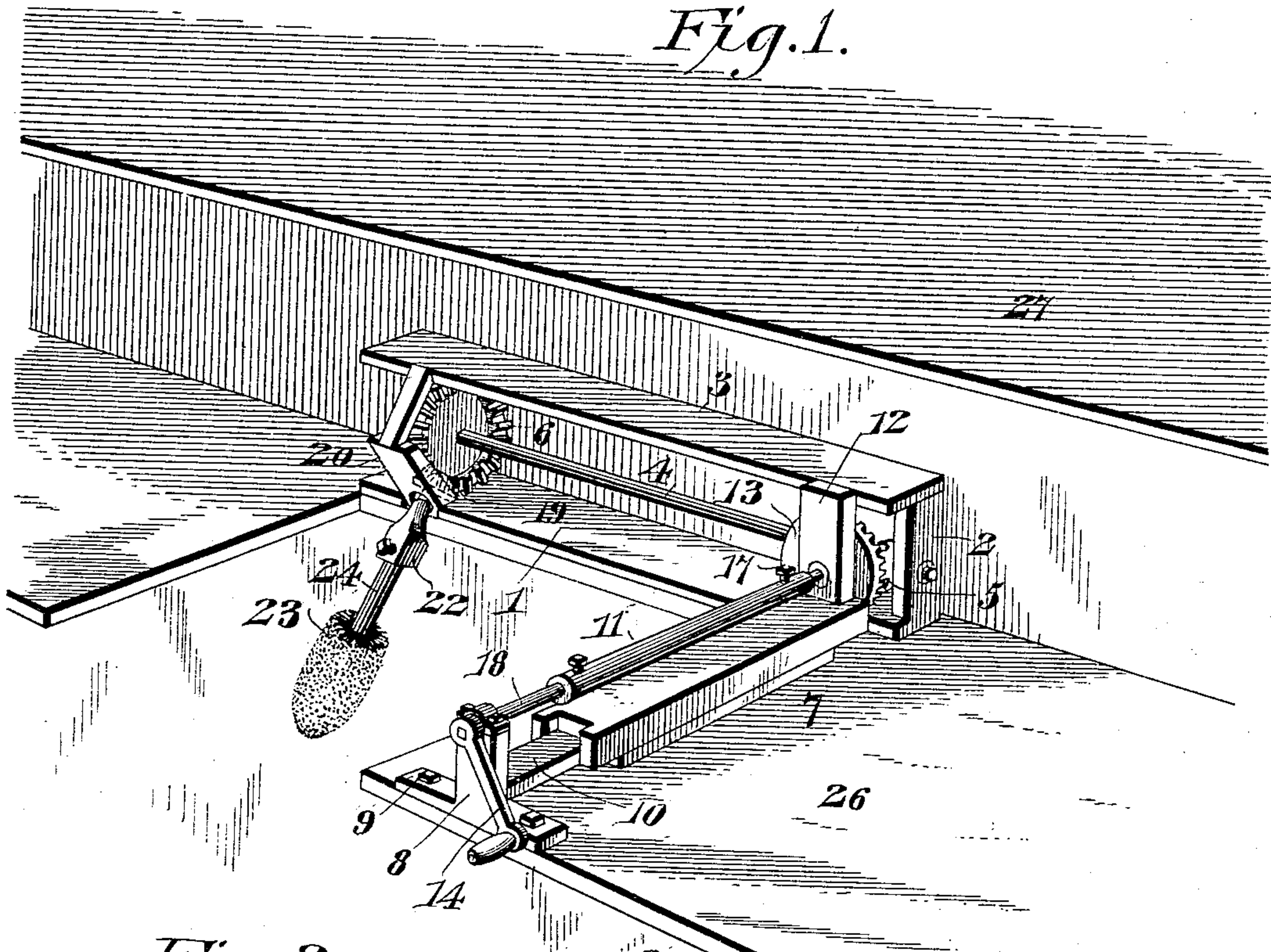


Fig. 2.

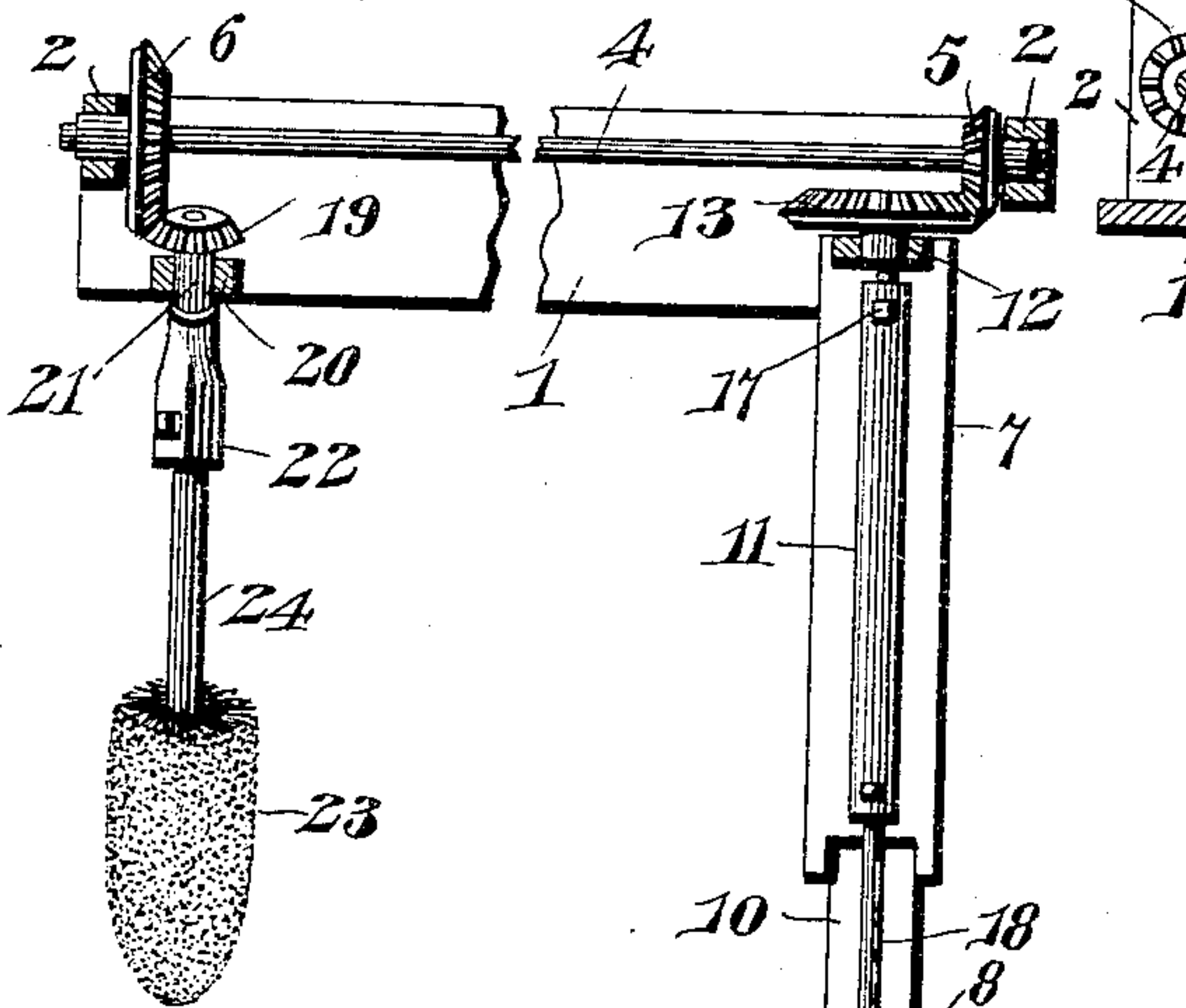


Fig. 3.

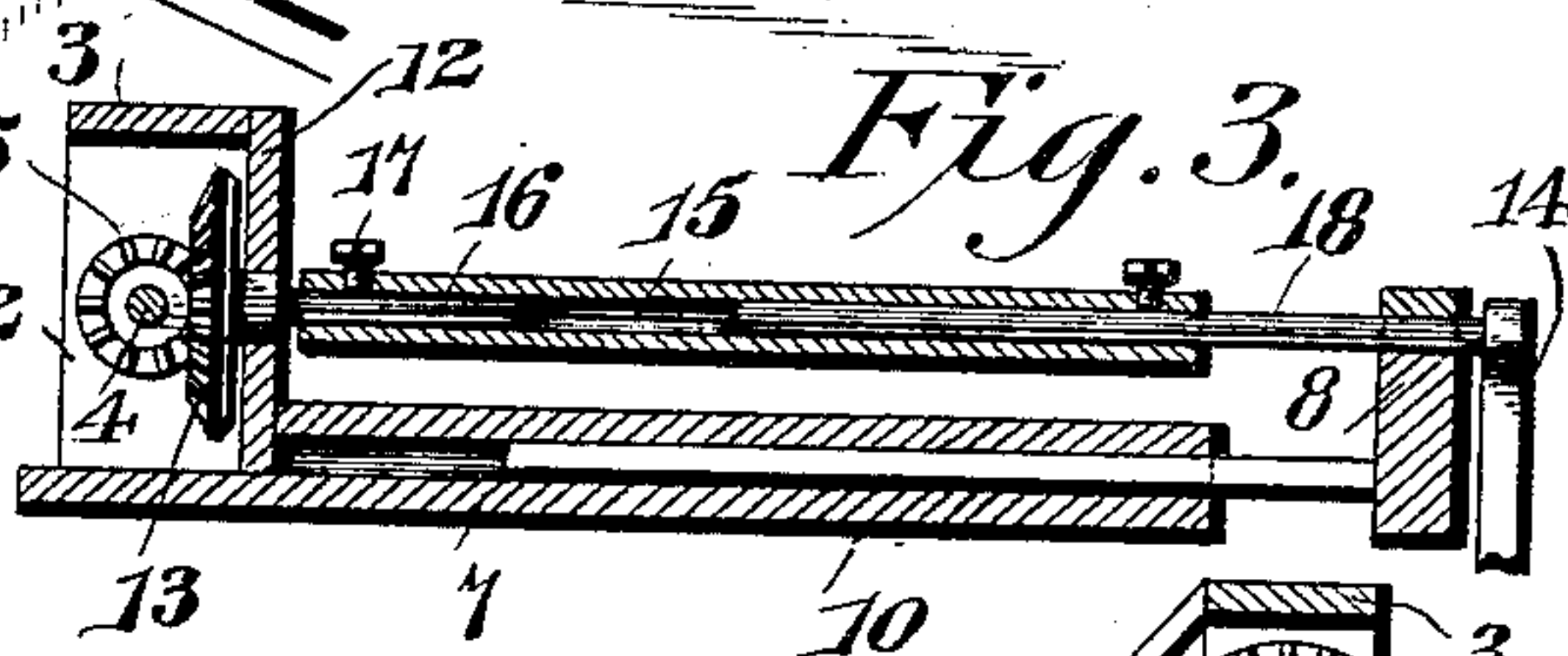
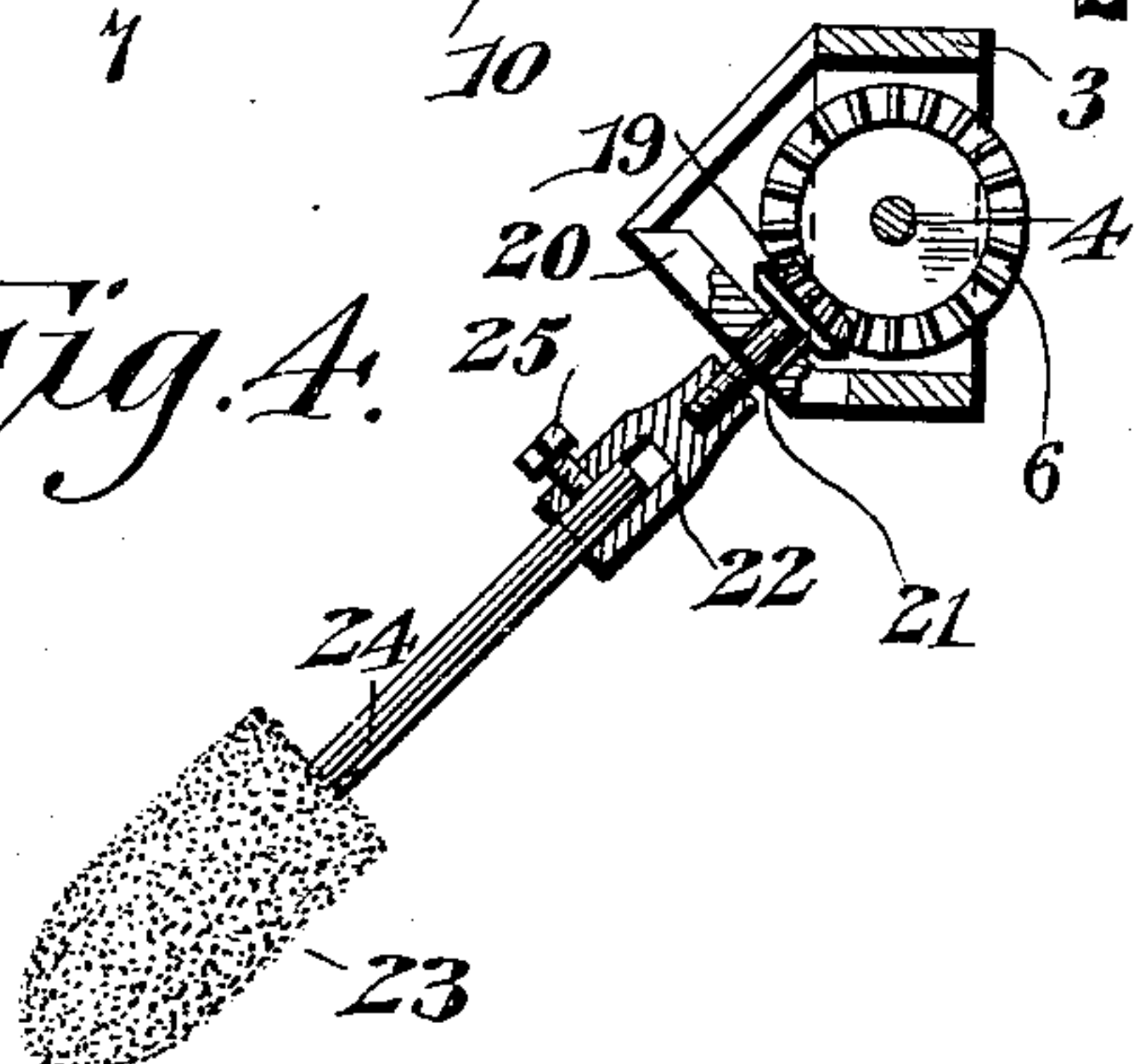


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN BARBERO, OF FRONTENAC, KANSAS.

GLASS OR BOTTLE WASHER.

SPECIFICATION forming part of Letters Patent No. 630,843, dated August 15, 1899.

Application filed January 17, 1899. Serial No. 702,487. (No model.)

To all whom it may concern:

Be it known that I, JOHN BARBERO, a citizen of the United States, residing at Frontenac, in the county of Crawford and State of Kansas, have invented a new and useful Drinking-Glass or Bottle Washer, of which the following is a specification.

This invention relates to devices for washing or cleansing the interior of drinking-glasses, bottles, and the like, and has for its object to provide a simple and improved device of the class described which is especially designed for use in restaurants, bar-rooms, soda-water fountains, and the like, where it is necessary to clean the drinking-glasses quickly.

To these ends the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the device applied to a bar or counter. Fig. 2 is a plan section thereof. Fig. 3 is a sectional view taken longitudinally through the drive-shaft. Fig. 4 is a sectional view taken longitudinally through the cleaning-brush socket.

Corresponding parts are denoted by like characters of reference in all the figures of the drawings.

Referring to the accompanying drawings, 1 designates the base of the frame of the device, having at each end uprights 2 and a top 3, connecting the uprights. A counter-shaft 4 is journaled at its opposite ends in the respective uprights 2 and is provided at one end with a beveled gear 5 and at its opposite end with a larger beveled gear 6. Each of these gears is mounted adjacent to the inner face of the respective uprights. At the end of the base having the smaller gear an extension is provided in the form of a boxing 7, which extends at right angles to the base. An adjustable bracket 8, having base-flanges 9 and a tongue or projection 10, is provided at the outer end of the boxing, with the tongue 10 received longitudinally within the same.

Extending longitudinally across the upper face of the boxing is a drive-shaft 11, journaled at its outer end to the body of the bracket 8, which extends a suitable distance above the boxing for this purpose, and at its

inner end in a suitable fixed bearing 12, provided upon the boxing. This shaft has a beveled gear 13 at its inner end, beyond the bearing 12 and in mesh with the gear 5, and an operating crank or handle 14 at its outer end, whereby the counter-shaft may be driven. The drive-shaft comprises a pipe or hollow section 15, arranged between the bearing 12 and the bracket 8, having a rod or bar 16, carrying the gear 13 and adjustably secured within the inner end of the hollow section by means of a binding-screw 17. A bar or rod 18, carrying the operating crank or handle, is similarly fitted to the outer end of the hollow section, and these two rods form the pivot or journal ends of the drive-shaft. By means of the adjustable construction of the drive-shaft and the bearing-bracket supporting the outer end thereof the driving mechanism may be adjusted to fit the place to which the device may be applied. Opposite the drive-shaft, at the other end of the base, is provided a beveled gear 19, carried by a bearing-bracket 20 and in mesh with and smaller than the gear 6 upon the counter-shaft. A pin 21 passes centrally through the gear 19 and carries at its outer end a brush-socket 22. The cylindrical brush-head 23 is provided with a handle or shank 24, which is adapted to be fitted in the socket 22 and is retained therein by a set-screw 25. The gear 19 and the socket 22 are inclined downward, for a purpose which will be hereinafter fully explained.

In the use of the device the base 1 is attached to a level surface, with the operating handle or crank 14 and brush 23 in convenient reach of the operator. A glass having water in it is held in the left hand and fitted about the brush, while the right hand is used to turn the crank, and by means of the gearing heretofore described the brush will be quickly revolved within the glass. By reason of the downward inclination of the brush the glass may be held with its mouth inclined upward, whereby the water may be retained within the glass during the cleaning operation. Other power than hand may be applied to revolve the brush, as it is not necessary to stop the operation of the device when another glass is being positioned.

In Fig. 1 the device is shown applied to a bar or soda-water counter, resting upon a

shelf 26 beneath the top 27 of the bar or counter. The shelf forms a horizontal support for the device and is cut away, as shown, so as to form an opening through one side thereof to
 5 accommodate the downwardly-inclined brush 23 and permit of ready access thereto for placing the glass thereon, as heretofore described. It will now be apparent that the driving-shaft is made adjustable, so that the
 10 operating-handle may be brought in convenient reach of the operator, while the rest of the device is situated beneath the top of the bar or counter, out of the way.

The construction and arrangement as here-
 15 in set forth provide a useful and improved device for cleaning drinking-glasses and the like, in which changes in the form, proportion, and minor details may be made without departing from the spirit and scope or sacri-
 20 ficing any of the advantages of the present invention.

Having thus described my invention, what is claimed is—

1. In a device of the class described, the
 25 combination with a frame and a counter-shaft supported thereby, of a longitudinally-adjustable driving-shaft arranged at right angles to and at one end of the counter-shaft, and a cleaning-brush driven from the other end of
 30 the counter-shaft, substantially as and for the purpose set forth.

2. In a device of the class described, the combination with a frame and a horizontal
 35 counter-shaft supported thereby, of a horizontal longitudinally-adjustable driving-shaft arranged at one end and at right angles to the counter-shaft, and a cleaning-brush inclined downwardly from and driven by the counter-
 40 shaft at the same side of the latter as is the driving-shaft, substantially as shown and described.

3. In a device of the class described, the combination with a frame and a counter-shaft

supported thereby, of a right-angled extension to the frame, having a longitudinally-
 45 adjustable bearing-bracket at its outer end, and a fixed bearing at its inner end, a longitudinally-adjustable driving-shaft mounted in the bearings of the extension, and a cleaning-brush driven by the counter-shaft, sub-
 50 stantially as shown and described.

4. In a device of the class described, the combination with a frame and a counter-shaft supported thereby, of a right-angled extension to the frame in the form of a boxing hav-
 55 ing a fixed bearing at its inner end and a longitudinally-adjustable bearing-bracket having base-flanges and a tongue, the latter being slidably mounted within the outer end of the boxing, a longitudinally-adjustable driv-
 60 ing-shaft mounted in the bearings, and a cleaning-brush driven by the counter-shaft, substantially as shown and described.

5. In a device of the class described, the combination with a horizontal support hav-
 65 ing an opening formed through one side thereof, of a counter-shaft mounted upon the support and located transversely of the opening, a cleaning-brush driven from the shaft, and inclined downwardly through the opening in
 70 the support and away from the vertical plane of the shaft, a drive-shaft arranged at substantially right angles to the counter-shaft, upon the same side thereof as is the cleaning-
 75 brush, and at one side of the opening in the support, and operating means located at the outer end of the drive-shaft, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
 80 the presence of two witnesses.

JOHN BARBERO.

Witnesses:

ACHILLE SAMOMARRI,
 J. S. PATTON.