

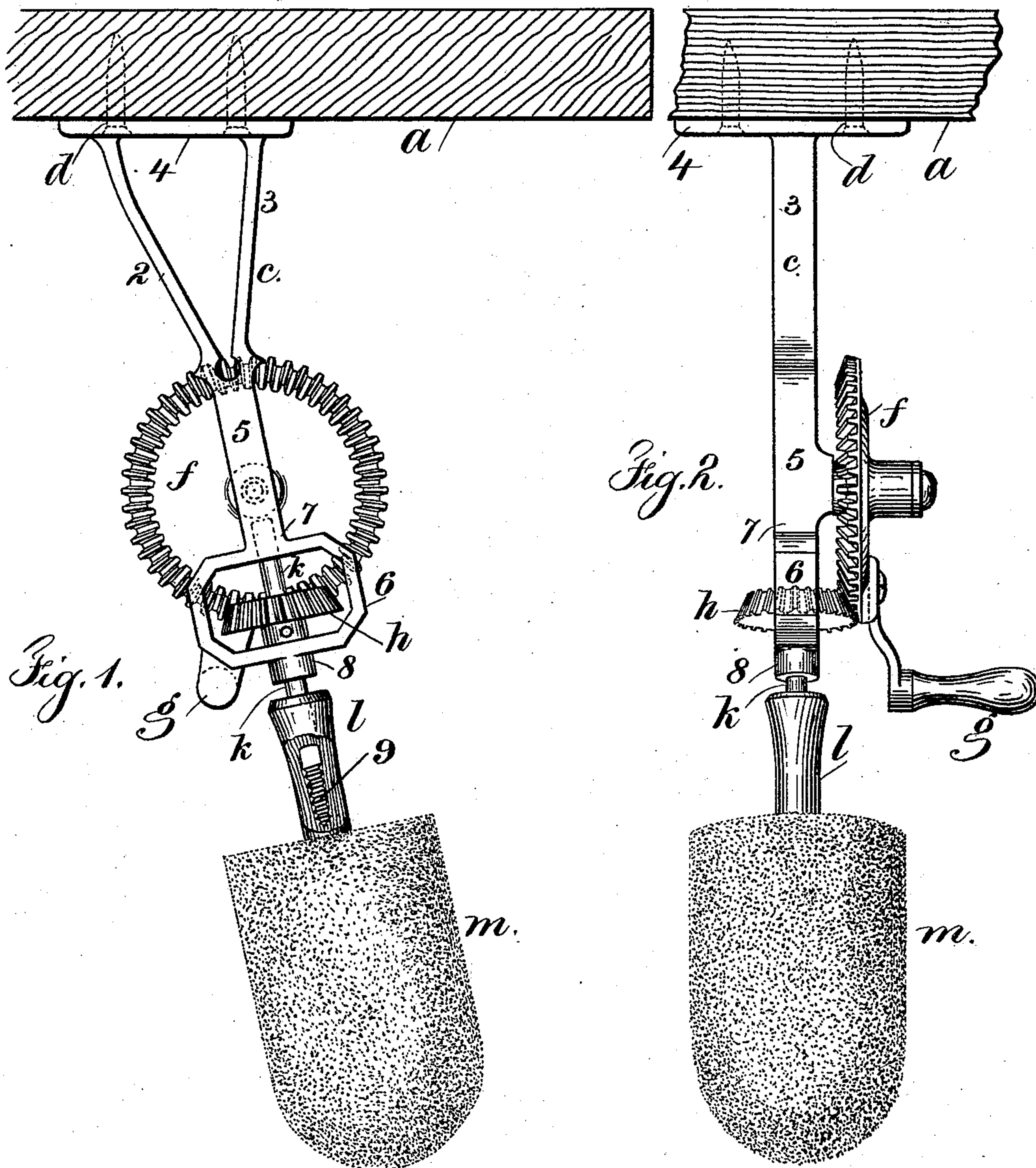
(No Model.)

J. M. MUNGIVEN.

REVOLVING BRUSH FOR WASHING TUMBLERS, &c.

No. 387,728.

Patented Aug. 14, 1888.



Witnesses,
Charles Smith,
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UNITED STATES PATENT OFFICE.

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REVOLVING BRUSH FOR WASHING TUMBLERS, &c.

SPECIFICATION forming part of Letters Patent No. 387,728, dated August 14, 1888.

Application filed December 16, 1887. Serial No. 253,060. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. MUNGIVEN, of Brooklyn, in the State of New York, have invented an Improvement in Revolving
5 Brushes for Washing Tumblers, Glasses, &c., of which the following is a specification.

It is customary to provide a tub or similar receptacle for water in which the tumblers or glasses used for soda-water, beer, or other
10 drinks are washed, and this tub is usually below the counter or bar.

My invention relates to a brush and the gearing for rotating the same, combined with a stand that is inverted so as to be screwed to
15 the under side of the counter and hang down therefrom, so that a tumbler full of water can be brought up to the revolving brush for cleaning out the inside of the tumbler or glass, and the overflow will run down into the tub; and
20 I make the hanging stand at an inclination backwardly, so as to bring the point of attachment back beneath the edge of the counter, while the brush itself is sufficiently forward to be in a convenient place. The brush is
25 easily unscrewed and another substituted.

In the drawings, Figure 1 is a side view of the washing apparatus with a part broken away in place for use, and Fig. 2 is a front view thereof.

30 The counter or bar *a* and the tub or water-vessel *b* are of ordinary character, and to the under side of the counter *a* the hanging stand *c* is secured by screws *d*. This stand *c* is bifurcated in the upper portion, 2 and 3, that
35 unite to the attaching-plate 4, and the portion 5 is solid and provided with a gudgeon for the reception of the bevel gear-wheel *f* and actuating-handle *g*. There is a bow, 6, in the hanging stand *c*, within which is received the bevel-
40 pinion *h*, that gears with the bevel-wheel *f*, and through the pinion *h* is the arbor *k*, sustained in bearings at 7 and 8 in the stand *c*. The lower end of this arbor *k* is a gimlet-pointed screw, 9, and the handle *l* of the round brush
45 *m* is bored axially to correspond with the arbor *k*, so that the handle can be passed upon the arbor and held firmly by screwing the

screw 9 into the wood at the inner end of the hole.

It will now be understood that the brush 50 can be easily attached or detached and the size varied as desired, and when a tumbler or glass is to be washed it is dipped by one hand into the water and raised up under and around the brush as said brush is revolved by turn-
55 ing the wheel *f* with the other hand, so as to thoroughly wash out the inside of the glass, and the water runs and drips back into the tub *b*.

The inclination of the stand and of the ar- 60 bor and brush is a great convenience, for by it the brush is brought nearer to the person and the top of the stand carried back sufficiently far to be securely fastened beneath the counter. 65

I claim as my invention—

1. The hanging stand *c*, provided with a plate at the top to be fastened to the under side of the counter, and a bow, 6, in combination with the bevel gear-wheel *f*, and handle *g* upon a
70 gudgeon at the side of the stand, the bevel-pinion *h* within the bow, the arbor *k* in bearings in the stand and connected to the bevel-pinion, and having a screw at the lower end, and the circular brush *m*, having a hole in the end
75 of its handle *l*, into which the arbor passes and is screwed, substantially as set forth.

2. The combination, with the counter *a* and the water-vessel *b*, of a hanging stand screwed at its upper end to the under side of the coun- 80 ter and inclined forwardly, a bevel gear-wheel upon the side of the stand, and a handle for rotating the same, a bevel-pinion and arbor supported by the inclined stand with the arbor extending below the stand and terminating
85 as a screw, and the circular brush having a handle perforated longitudinally for the reception of the arbor, substantially as set forth.

Signed by me this 13th day of December, 1887.

JAMES M. MUNGIVEN.

Witnesses:

GEO. T. PINCKNEY,
WILLIAM G. MOTT.