

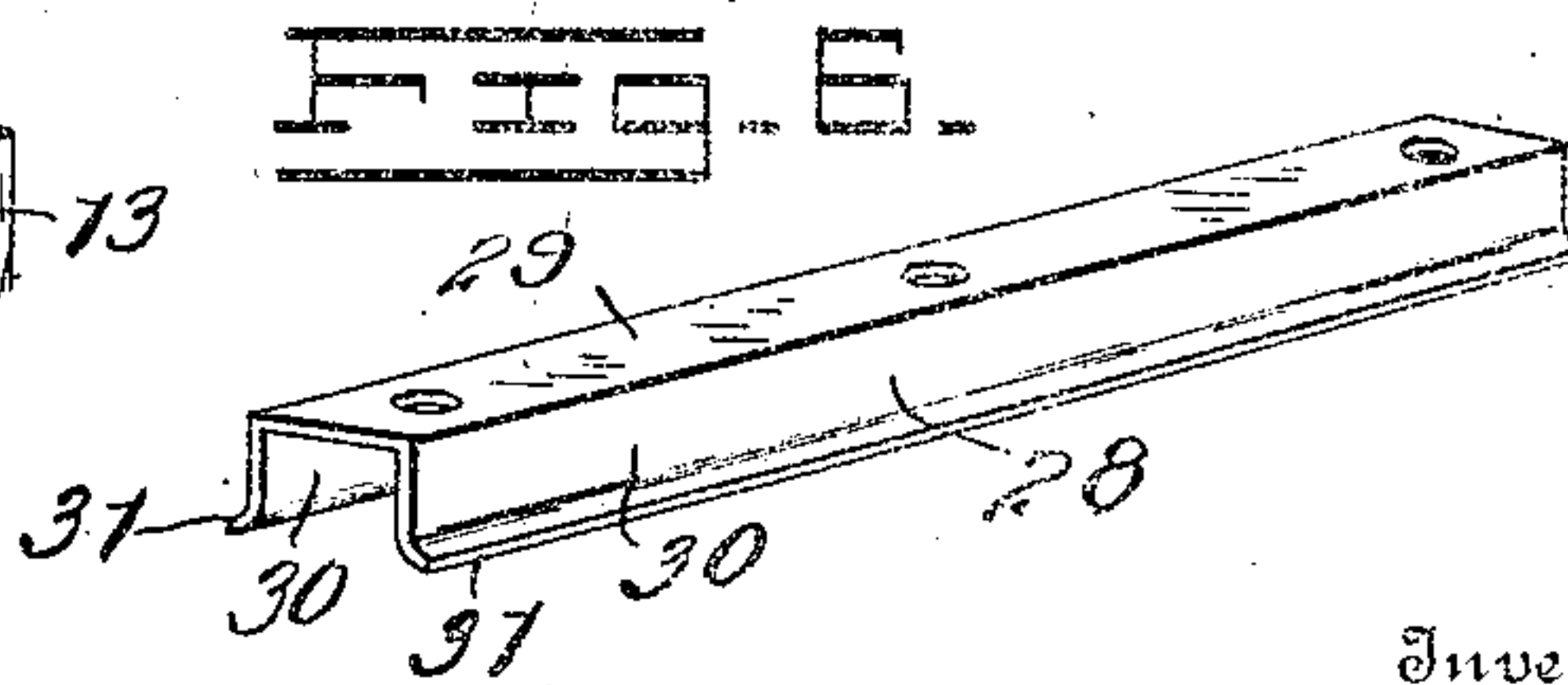
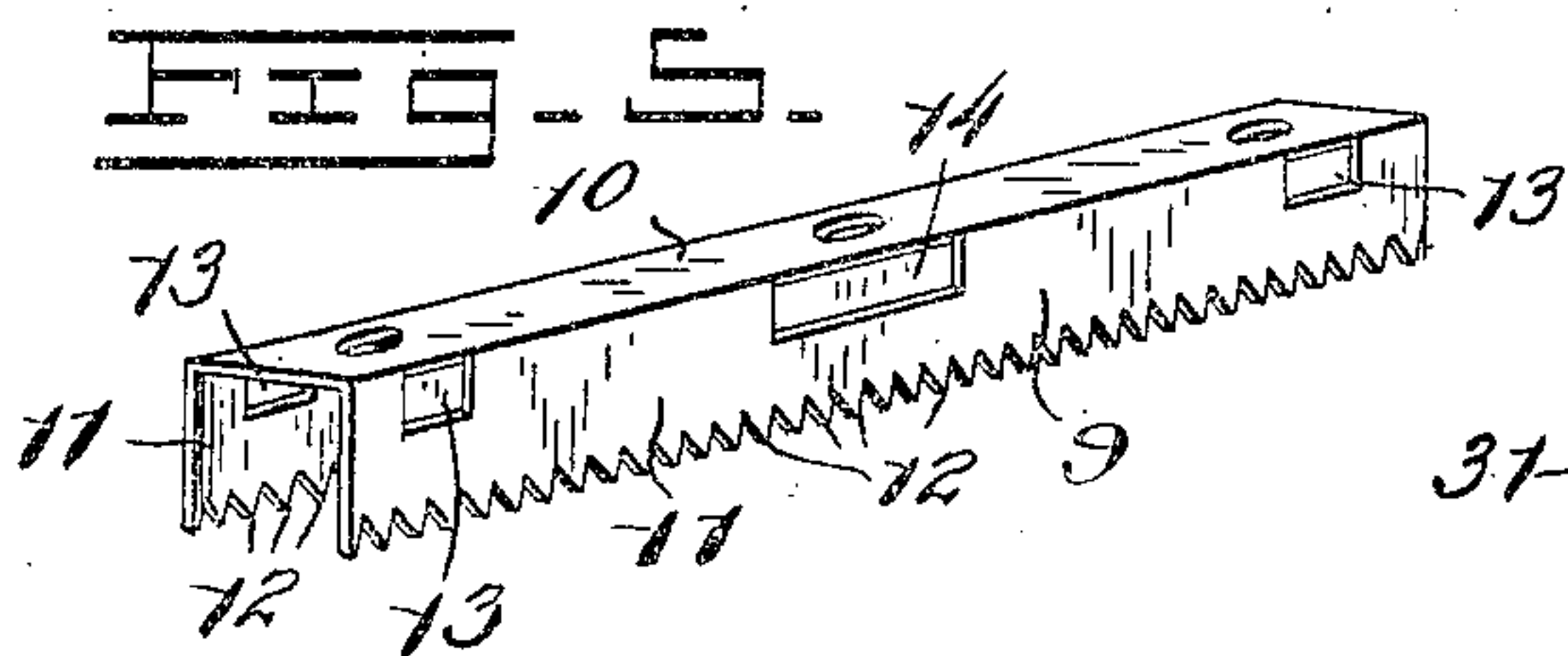
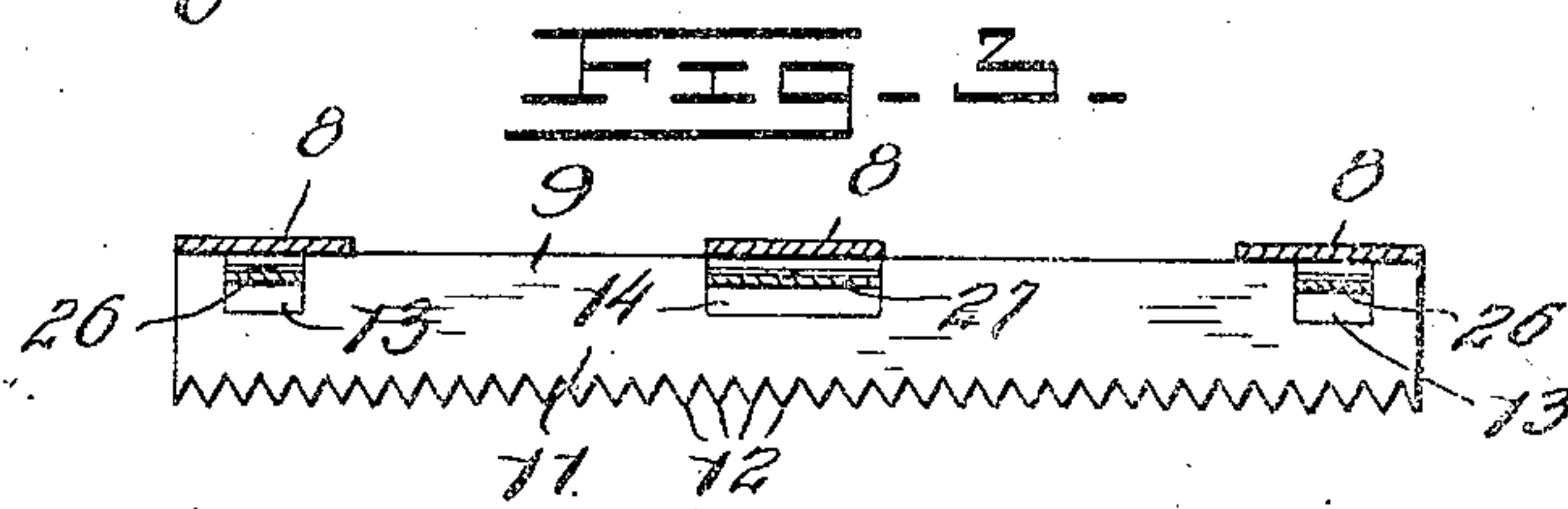
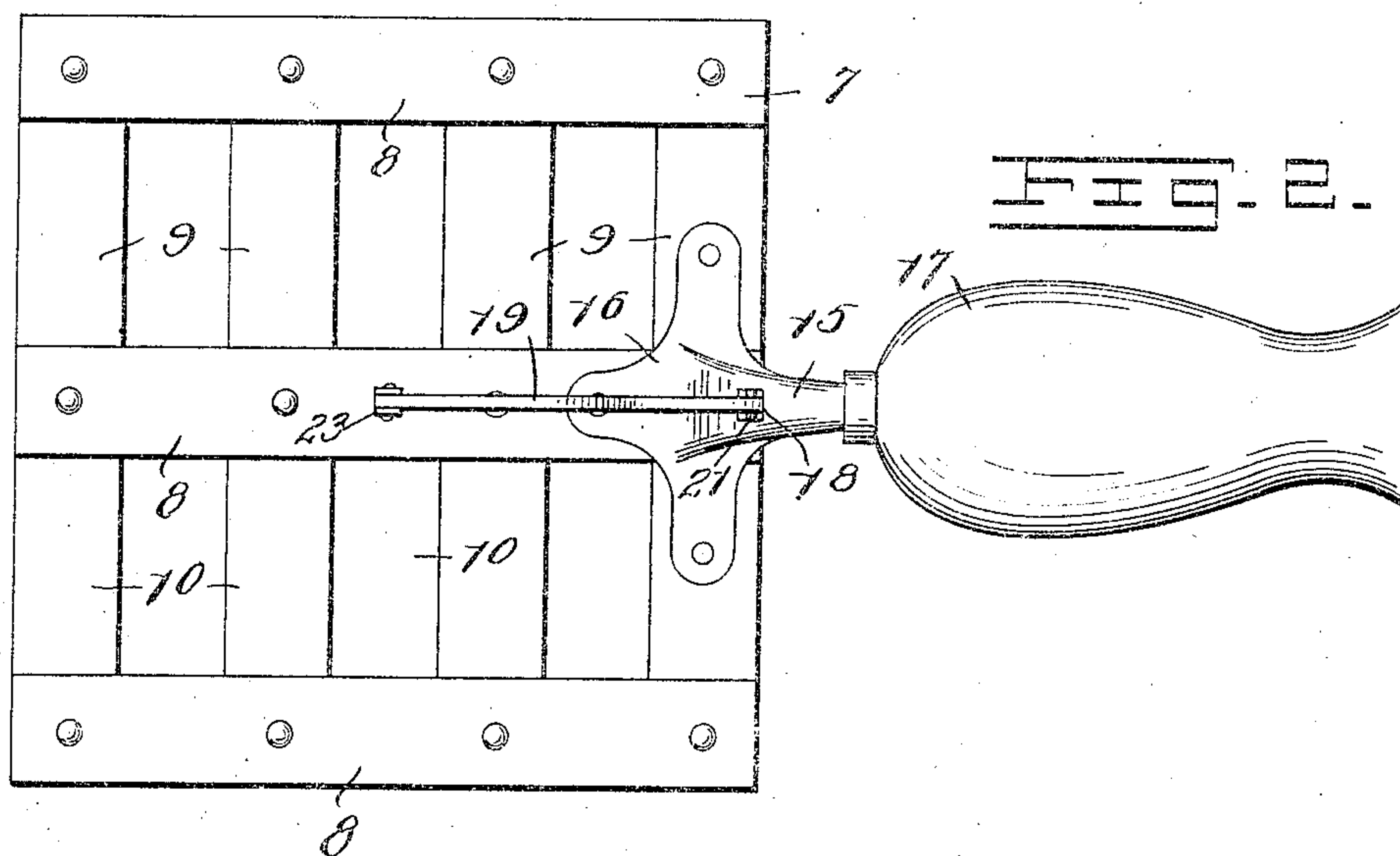
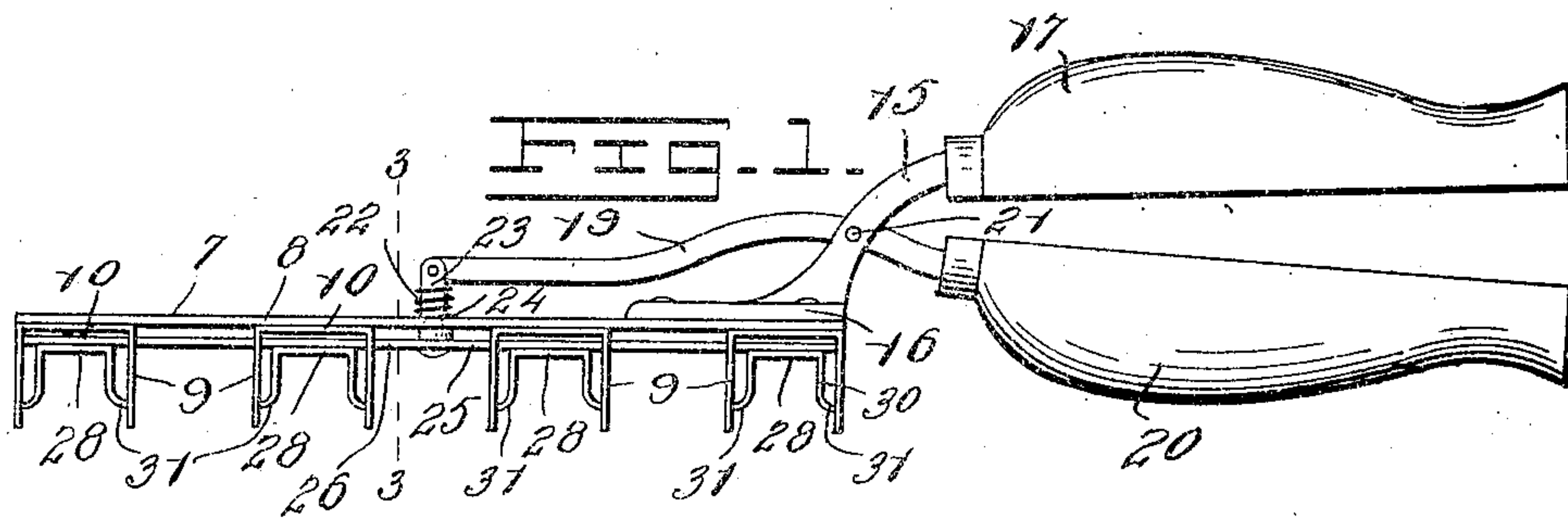
No. 897,882.

PATENTED SEPT. 8, 1908.

T. E. DESMOND.  
CURRYCOMB.

APPLICATION FILED APR. 11, 1907.

2 SHEETS—SHEET 1



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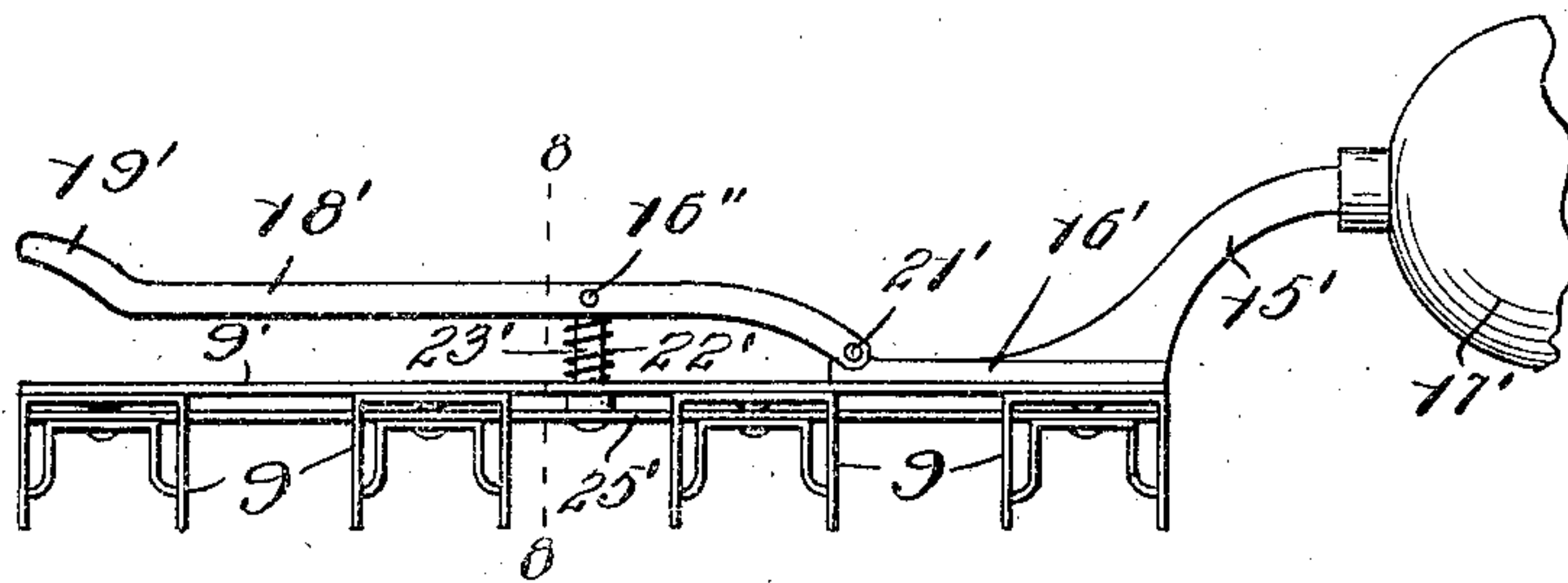
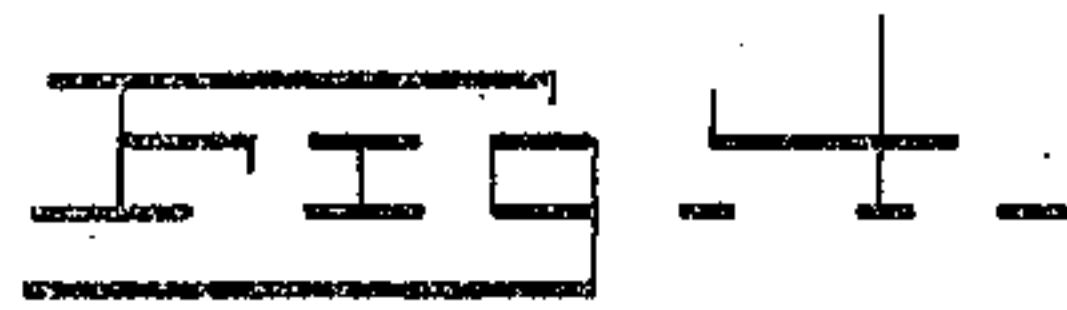
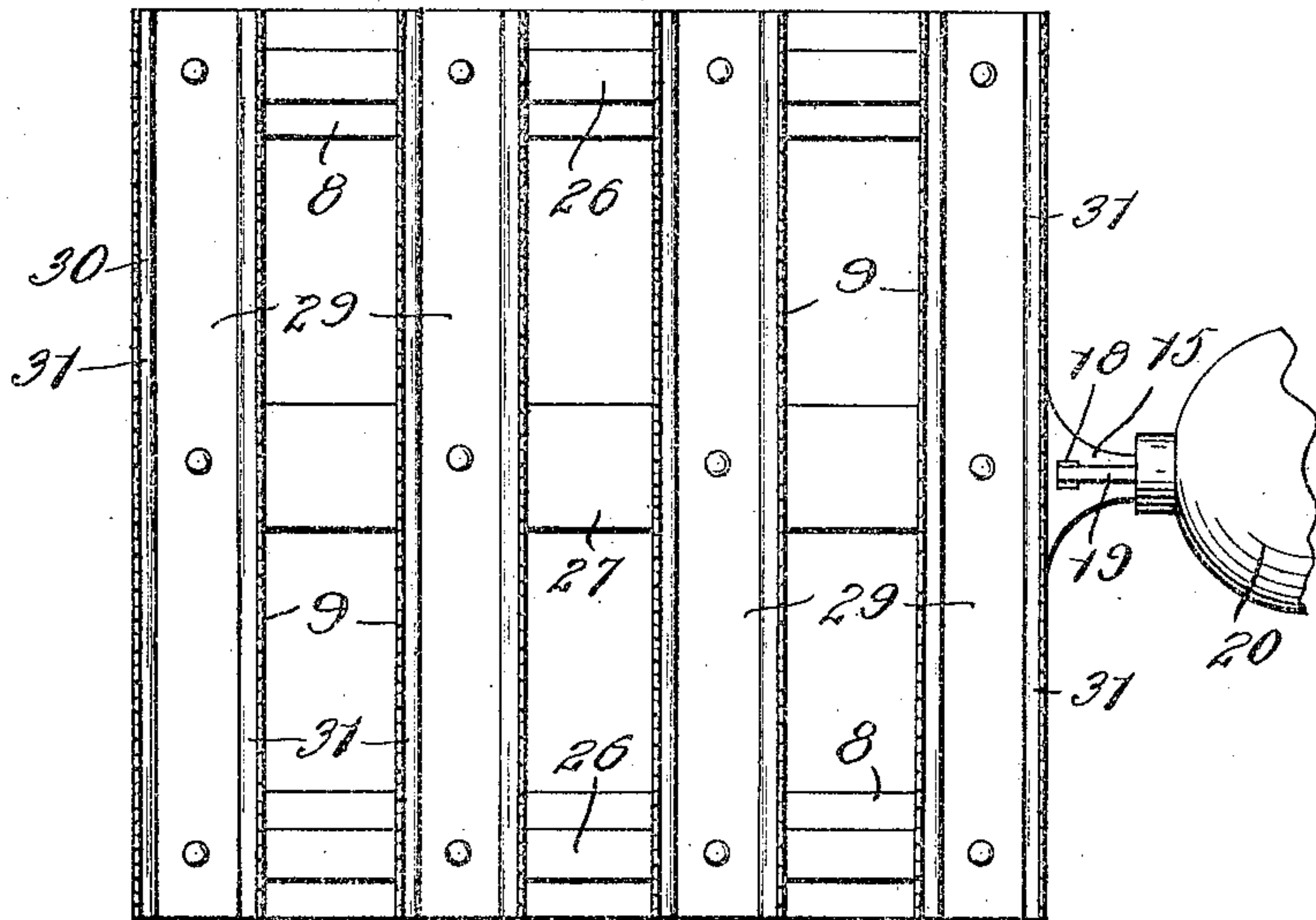
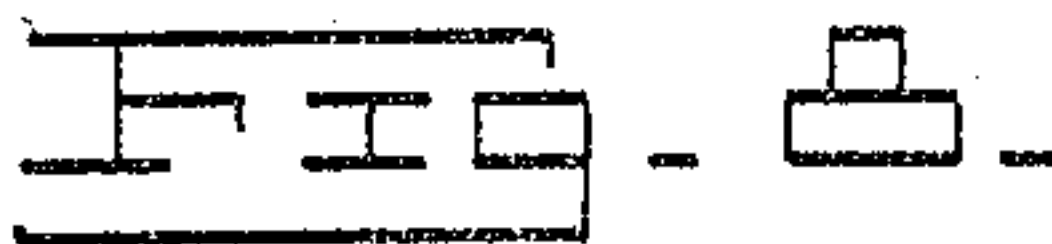
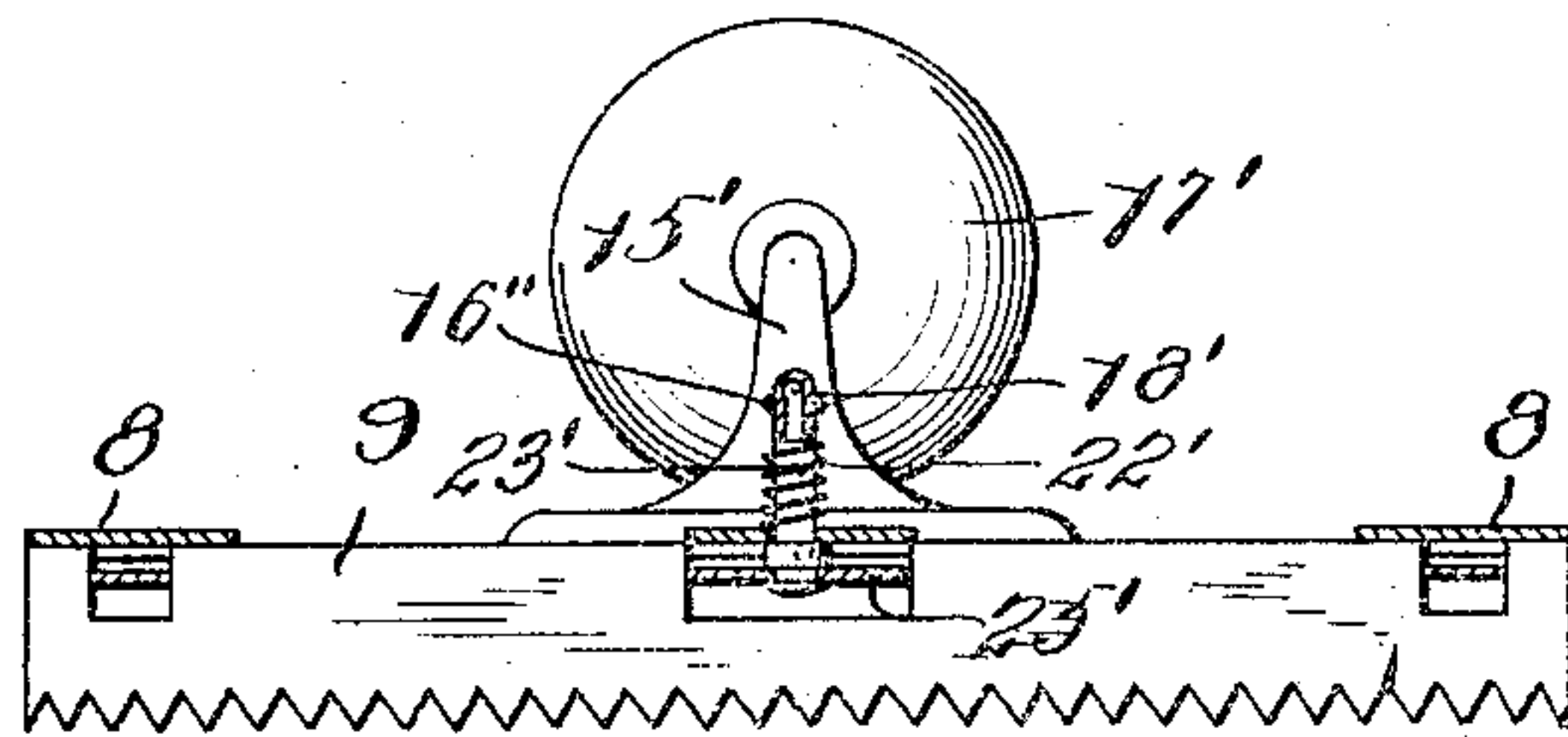


Fig. 7-



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# UNITED STATES PATENT OFFICE.

THOMAS E. DESMOND, OF SPOKANE, WASHINGTON.

CURRYCOMB.

No. 897,882.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed April 11, 1907. Serial No. 367,610.

*To all whom it may concern:*

Be it known that I, THOMAS E. DESMOND, a citizen of the United States, residing at Spokane, in the county of Spokane, State of Washington, have invented certain new and useful Improvements in Currycombs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention has reference to that class of currycombs which include teeth-cleaner devices, and it aims to provide a durable, readily operated, and efficient self-cleaning currycomb in which the free ends of the cleaners are bent outwardly to form spring tongues adapted to scrape the comb-teeth when the cleaner-carrying frame is actuated, so as to expeditiously remove all dirt, hair, etc. therefrom.

With this end in view, the invention consists in the construction, combination, and arrangement of parts, all as hereinafter more fully described, specifically claimed, and illustrated in the accompanying drawings, in which like parts are designated by corresponding reference numerals in the several views.

Of the said drawings—Figure 1 is a side elevation of the improved currycomb. Fig. 2 is a top plan view thereof. Fig. 3 is a transverse section on the line 3—3 of Fig. 1. Fig. 4 is a bottom plan view. Fig. 5 is a detail view of one of the toothed plates. Fig. 6 is a detail view of one of the cleaner plates. Fig. 7 is a side elevation of a modified form of currycomb. Fig. 8 is a transverse section on the line 8—8 of Fig. 7.

Referring more particularly to the drawings, the reference numeral 7 designates, generally, the upper or comb-plate frame of the device, which, as shown, comprises a series of three spaced longitudinal cross-pieces 8, to the under face of which a series of comb-plates 9 are transversely secured, the rivets or other fastening means extending through the bight portion 10 of each plate and through the corresponding cross-piece, each plate, as shown in Fig. 5, being of approximately inverted U-shape, the lower edges of its spaced legs 11 being provided with the usual comb-teeth 12. The legs 11 of each comb-plate are further provided with a rectangular opening 13, formed at each end thereof, and with a central elongated opening 14, the corre-

sponding openings of the several comb-plates alining with each other when such plates are fixed to the cross-pieces 8.

Mounted upon the upper frame and riveted or otherwise secured thereto is a T-shaped metal plate 16, having an inclined shank 15, which extends at its free end into a handle piece 17, the shank 15 being provided with a transverse opening 18, through which extends the elongated shank 19 of a second handle 20, the shanks 15 and 19 having a pivot-bolt 21 connecting the same, and likewise extending transversely through the opening 18. The opposite end of the shank 19 is pivotally engaged between a pair of ears formed on the upper end of a post 23, which passes through an opening 24 formed centrally of the intermediate cross-piece 8 of the upper frame, the headed lower end of said post being fixed in any way to the lower or cleaner-plate frame, generally designated 25. The handles proper are normally held apart from each other by means of a coil spring 22 which surrounds the post 23 and bears at opposite ends against the under face of the shank 19 and the upper face of the intermediate cross-piece 8, the tension of said spring holding the adjacent end of the shank 19 in elevated position, with its opposite or handle end 20 correspondingly depressed. This last-mentioned frame is, in like manner, composed of a series of three cross-pieces, the outer cross-pieces 26 being of considerably less width than the central cross-piece 27. These cross-pieces are disposed directly beneath the corresponding cross-pieces of the upper frame, and extend through the openings in the comb-plates, the height of said openings being somewhat greater than the thickness of said cross-pieces, to allow the latter to have a limited vertical movement therein, as hereinafter described.

Secured to each of the cross-pieces is a series of resilient cleaner-plates 28, which are likewise of approximately inverted U-shape, each cleaner-plate fitting within the corresponding comb-plate, as shown in Fig. 1, with its bight portion 29 flush against the under face of the cross-pieces 26 and 27. The normal distance between the legs of each cleaner-plate is however, somewhat less than that between the legs of the corresponding comb-plate, and the lower edge of each leg of the cleaner-plates is bent laterally outward, to form a spring tongue 31, which



bears yieldingly throughout its entire length against the inner face of the adjacent comb-plate leg.

From the foregoing, it will be understood that owing to the provision of the spring 22, the several cleaner-plates will be disposed normally above the toothed lower edges of the comb-plates, the several cross-pieces of the lower frame resting against the upper wall of the openings 13 and 14. When, however, the operator grasps the handles and moves them toward each other, the lower frame will have a downward movement with respect to the upper frame, and the spring tongues 31 formed on the cleaner-plate will move downwardly against the inner faces of the comb-plate legs, thus exercising a scraping action and completely removing all dirt, hair, etc., which may have become inserted between the teeth of the comb-plates, when the currycomb is used in the ordinary manner.

In the modified construction shown in Figs. 7 and 8, the movable handle 20 is replaced by a forwardly extending lever 18' which is pivotally connected by a pin 21' to the forward end of the plate 16' whose shank 15' carries the handle proper 17'. The lever 18' which, as shown in Fig. 8, is U-shaped in cross section, is in turn pivotally connected by a pin 16'' to the upper end of the post 23' carried by the cleaner plate frame 25', the said post being provided with the coil spring 22', which tends to maintain said lever normally in elevated position, thus holding the cleaner-plate 25' normally raised with respect to the toothed lower edges of the comb-plates 9'. The forward end of the lever 18' is curved upwardly, as indicated by the reference numeral 19'. It will be apparent therefore that when downward pressure is exerted upon such raised end, the lever will likewise swing downward upon its pivot 21', thus depressing the post 23' and effecting the actuation of the cleaner-plates in a manner similar to that already described.

Further description of the invention is thought to be unnecessary in view of the foregoing, it being understood that the number of comb-plates and cleaner-plates may be varied at will, and that other modifications and changes may be made within the scope of the claims without departing from the spirit of the invention.

What is claimed, is—

1. A currycomb comprising, in combination, an upper frame including a series of spaced, longitudinal cross-pieces; a series of depending comb-plates secured to said cross-pieces and arranged transversely with respect thereto, each comb plate having a series of openings formed therethrough, the corresponding openings of the several comb-plates alining with each other; a lower frame including a series of spaced, longitudinal

cross-pieces disposed directly beneath the corresponding cross-pieces of the upper frame and extending through the openings in said comb-plates; a series of depending resilient cleaner-plates secured transversely to the cross-pieces of said lower frame, each cleaner-plate having its lower edge bent laterally outward to form a spring tongue disposed in yielding contact against the adjacent face of the corresponding comb-plate; and a pair of pivotally connected handles secured to said frames for moving the latter relatively to each other, to cause said scraping tongues to move over the face of said comb-plates.

2. A currycomb comprising in combination, an upper frame including a series of spaced longitudinal cross-pieces; a series of depending U-shaped comb-plates secured to said cross-pieces and arranged transversely with respect thereto, the legs of each comb-plate having a series of openings formed therethrough the corresponding openings of the several comb-plates alining with each other; a lower frame including a series of spaced longitudinal cross-pieces disposed directly beneath the corresponding cross-pieces of the upper frame and extending through the openings in the comb-plate; a series of depending U-shaped resilient cleaner-plates secured transversely to the cross-pieces of the lower frame, each cleaner-plate fitting within the corresponding comb-plate and having the lower edges of its legs bent laterally outward against the inner face of the adjacent comb-plate leg to form a spring scraping tongue; and a pair of pivotally connected handles secured to said frames for moving the latter relatively to each other, to cause said scraping tongues to move over the face of said comb-plates.

3. A curry comb comprising, in combination, an upper frame including a series of flat longitudinal cross-pieces arranged in spaced relation to each other one of said cross-pieces having an opening formed therethrough; a series of depending U-shaped comb-plates secured to said cross-pieces and arranged transversely with respect thereto, the legs of each comb-plate having a series of rectangular openings formed therethrough, the corresponding openings of the several comb-plates alining with each other; a lower frame including a series of flat longitudinal cross-pieces disposed directly beneath the corresponding cross-pieces of the upper frame and extending through the openings in the comb-plates; a vertical post secured to one of the cross-pieces of the lower frame and extending through the opening in said upper cross-piece; a series of depending U-shaped resilient cleaner-plates secured transversely to the cross-pieces of the lower frame, each cleaner-plate fitting within the corresponding comb-plate; a handle secured to one of the cross-pieces of the upper frame; a handle pivoted



to the first-mentioned handle and to said  
post for moving said frames relatively to each  
other; and a coil-spring carried by said post  
and bearing at opposite ends against the piv-  
5 oted handle and the upper cross-piece through  
which the post passes, to normally maintain  
the frames apart from each other.

In testimony whereof, I affix my signature,  
in presence of two witnesses.

THOMAS E. DESMOND.

Witnesses:

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