

No. 747,723.

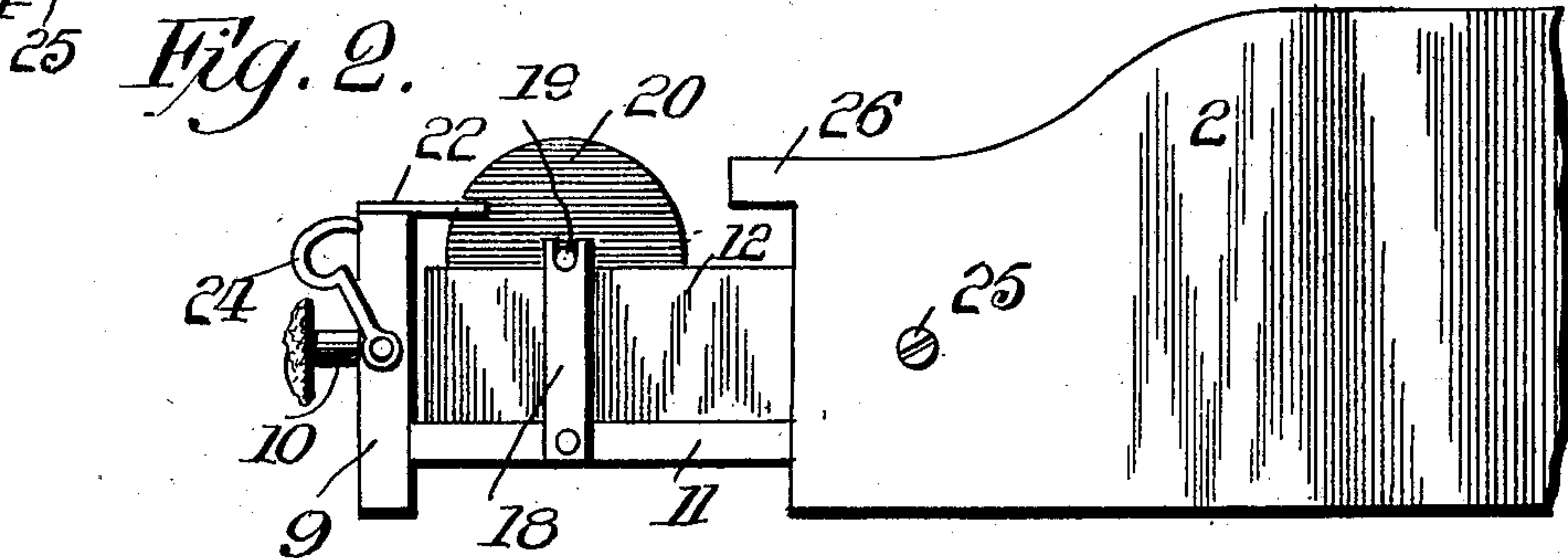
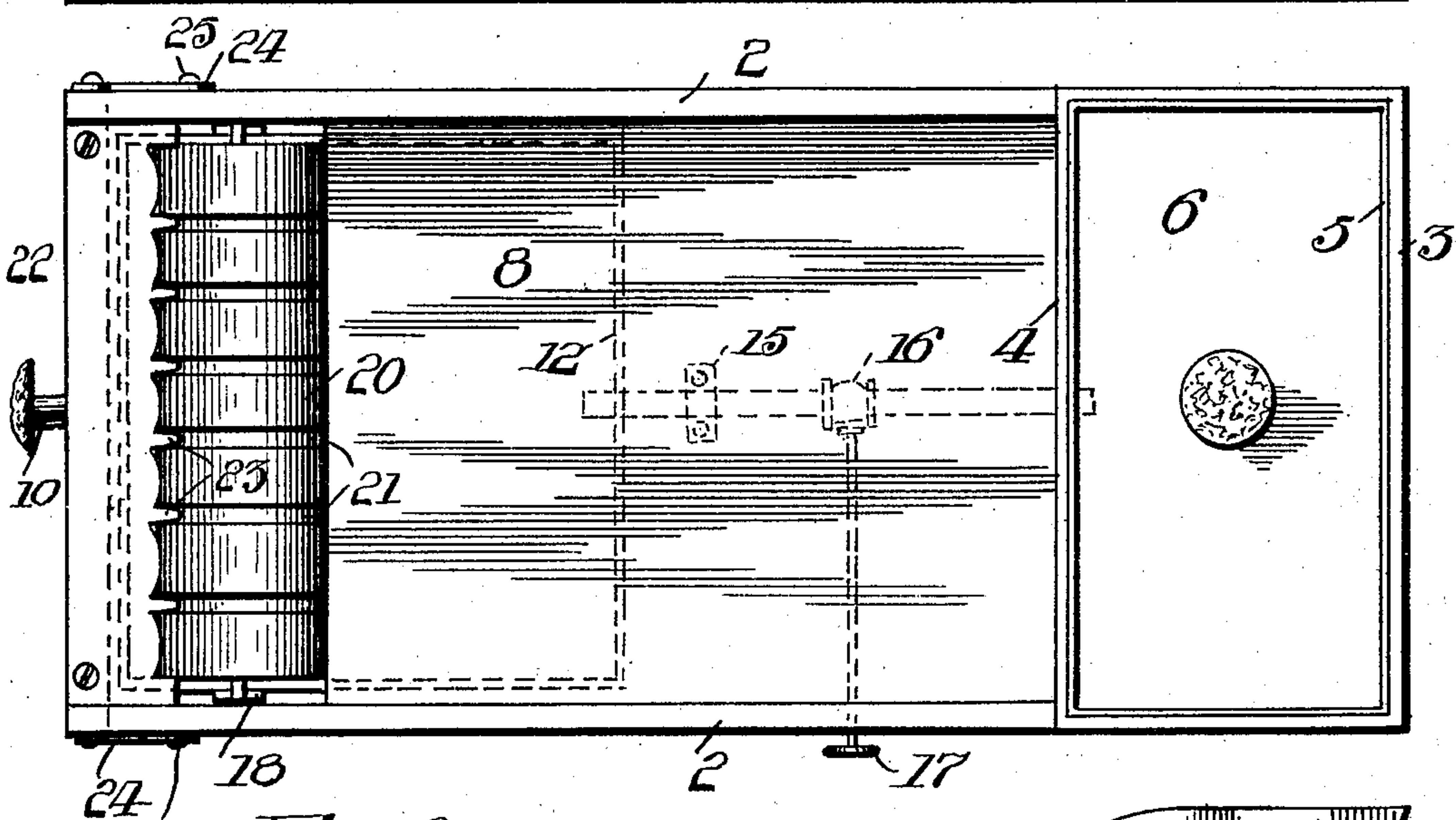
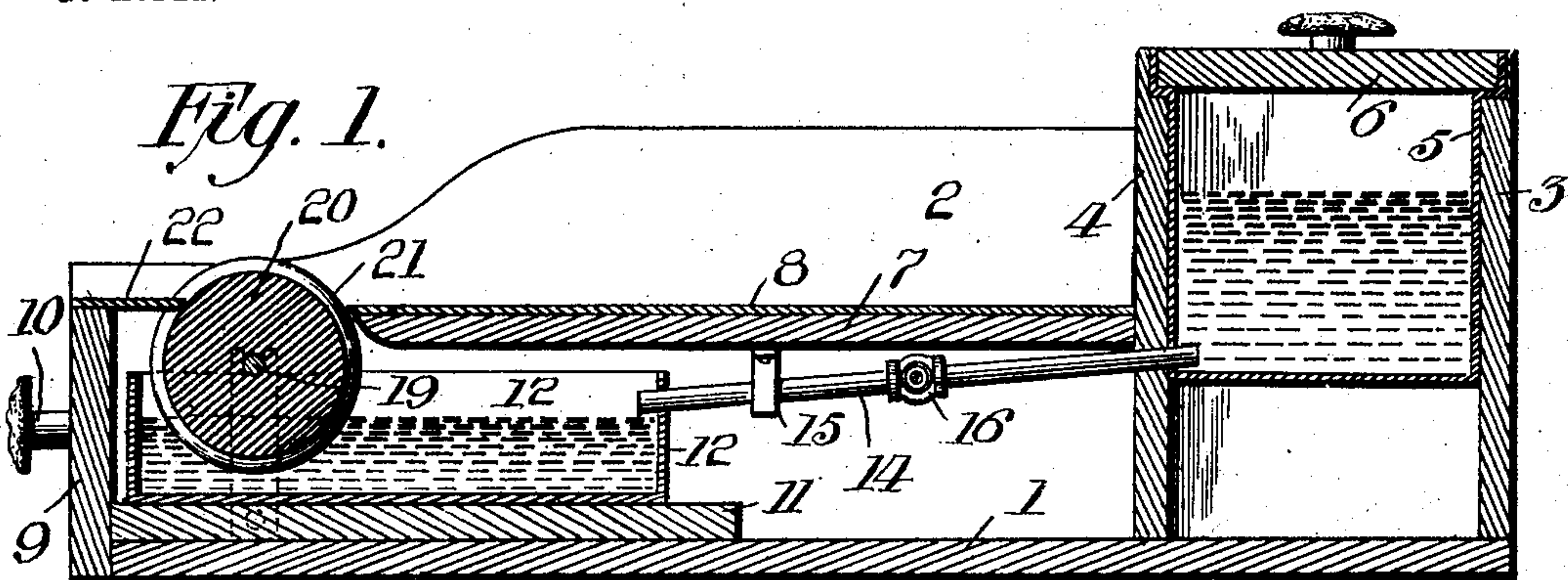
PATENTED DEC. 22, 1903.

D. D. JONES & A. FRANCIS.

LABEL MOISTENER.

APPLICATION FILED AUG. 11, 1903.

NO MODEL.



*Fig. 3.*

Witnesses:  
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# UNITED STATES PATENT OFFICE.

DAVID D. JONES, OF PITTSBURG, PENNSYLVANIA, AND ARTHUR FRANCIS,  
OF SWANSEA, ENGLAND.

## LABEL-MOISTENER.

SPECIFICATION forming part of Letters Patent No. 747,723, dated December 22, 1903.

Application filed August 11, 1903. Serial No. 169,076. (No model.)

*To all whom it may concern:*

Be it known that we, DAVID D. JONES, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, and ARTHUR FRANCIS, a subject of the King of England, residing at Swansea, England, have invented certain new and useful Improvements in Label-Moisteners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in label-moisteners; and the primary object of the invention is to provide a device in which labels that are adapted to be affixed to packages may be easily moistened or have adhesive substance applied to the face of the label in an even and perfect manner.

Briefly described, the invention comprises a box or frame in which is provided a bed or table to receive the label. A liquid-receptacle is provided in the box or frame beneath the bed or table, and journaled in the liquid-receptacle is a roller which revolves in the liquid contained in the receptacle and is of a diameter sufficient to project above the bed or table, whereby when the labels are drawn across said roller the liquid will be applied to said label. Means is provided for stripping labels from the roller and prevent their being carried downward thereby into the liquid-receptacle, and a liquid-reservoir is provided whereby a constant head of liquid may be maintained in the liquid-receptacle in order to insure the roller being at all times in engagement with the liquid in said receptacle.

All of the above construction will be hereinafter more fully described, and specifically pointed out in the claim, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a central longitudinal sectional view of our improved device. Fig. 2 is a top plan view thereof. Fig. 3 is a side elevation

showing the removable liquid-receptacle partially removed from the box or frame.

To put our invention into practice, we construct a box or frame comprising a bottom 1 and the sides 2, together with the rear wall or end 3, and the intermediate wall or partition 4. Placed in the space between the rear wall or end 3 and the intermediate wall or partition 4 is a liquid-reservoir 5, provided with a suitable cover or lid 6. We provide a false bottom 7, which is secured to the sides 2, and on this false bottom place a metal plate 8, forming a bed or table upon which the labels to be moistened are placed. The front or forward end 9 of the box or frame is detachable, and for this purpose is provided with a suitable handle 10. Secured to the inner face of this front or end 9 is a base 11, which is adapted to slide on top of the bottom 1, and secured on this base 11 is a liquid-receptacle 12, into which the liquid is fed from the reservoir 5 by means of the pipe or conduit 14, suitably supported by the wall or partition 4 and by a supporting-bracket 15 and having arranged therein a controlling-valve 16, the stem of which valve is extended outward through one of the side walls, provided with a suitable handle 17. Attached to the edges of the base 11, near the forward end thereof, are standards 18, notched at their upper ends to form seats for the ends of the shaft 19, which carries the liquid-applying roller 20. This liquid-applying roller 20 is provided with a plurality of peripheral grooves 21, and secured to the upper edge of the end or front 9 is a stripper-plate 22, having tongues or fingers 23, which project into the grooves 21 and prevent the labels being carried down by the roller into the liquid-receptacle 12. The roller 20 is of a diameter to project above the bed or table 8 and stripper-plate 22. When made of metal, brass has been found to be most desirable, and when made of wood we prefer to make this roller of lignum-vitæ or other hard wood, as the best results have been obtained therefrom.

To the ends of the end piece 9 are attached hooks or catches 24 to be engaged with headed pins or screws 25, carried by the sides 2, the



said sides being preferably formed at their lower ends with extension 26, underneath which the end wall 9 is received.

In practice the labels to be moistened or to  
5 have the adhesive substance applied thereto are placed on the bed or table 8 and drawn across the roller 20, the latter revolving and applying the liquid to the label. While so  
10 applying the liquid to the labels, the valve 16 may be opened, so as to constantly supply liquid to the receptacle 12 and maintain the desired head or liquid therein. Upon disen-  
gaging the hooks 24 from the headed pins or  
15 studs 25 the liquid-receptacle and roller may be withdrawn from the box or frame for clean-  
ing or for other purposes.

It will be obvious that various changes may be made in the details of construction with-  
out departing from the general spirit of our  
20 invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a device of the character described, a box or frame having a bed or table, a liq- 25 uid-reservoir, a liquid-receptacle removably mounted in the box or frame underneath the bed or table, connections between the liquid-receptacle and the liquid-reservoir, a roller mounted to rotate in the liquid-receptacle 30 and project above the bed or table, and a stripper-plate in front of said roller, substantially as described.

In testimony whereof we affix our signatures in the presence of two witnesses.

DAVID D. JONES.  
ARTHUR FRANCIS.

Witnesses:

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E. E. POTTER.