

No. 740,579.

PATENTED OCT. 6, 1903.

E. E. MANNING.  
SEWING MACHINE CABINET.

APPLICATION FILED NOV. 28, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

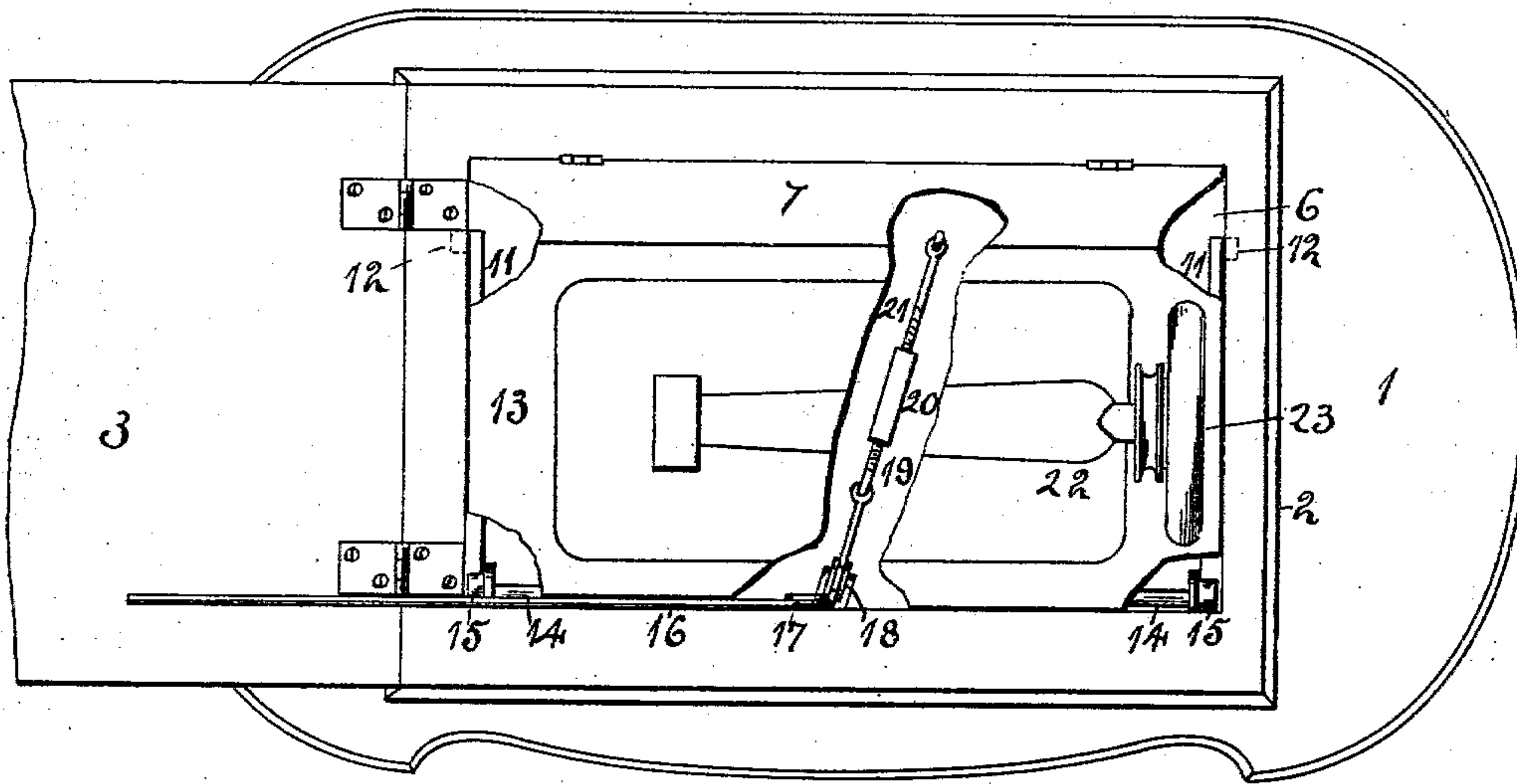


Fig. 1.

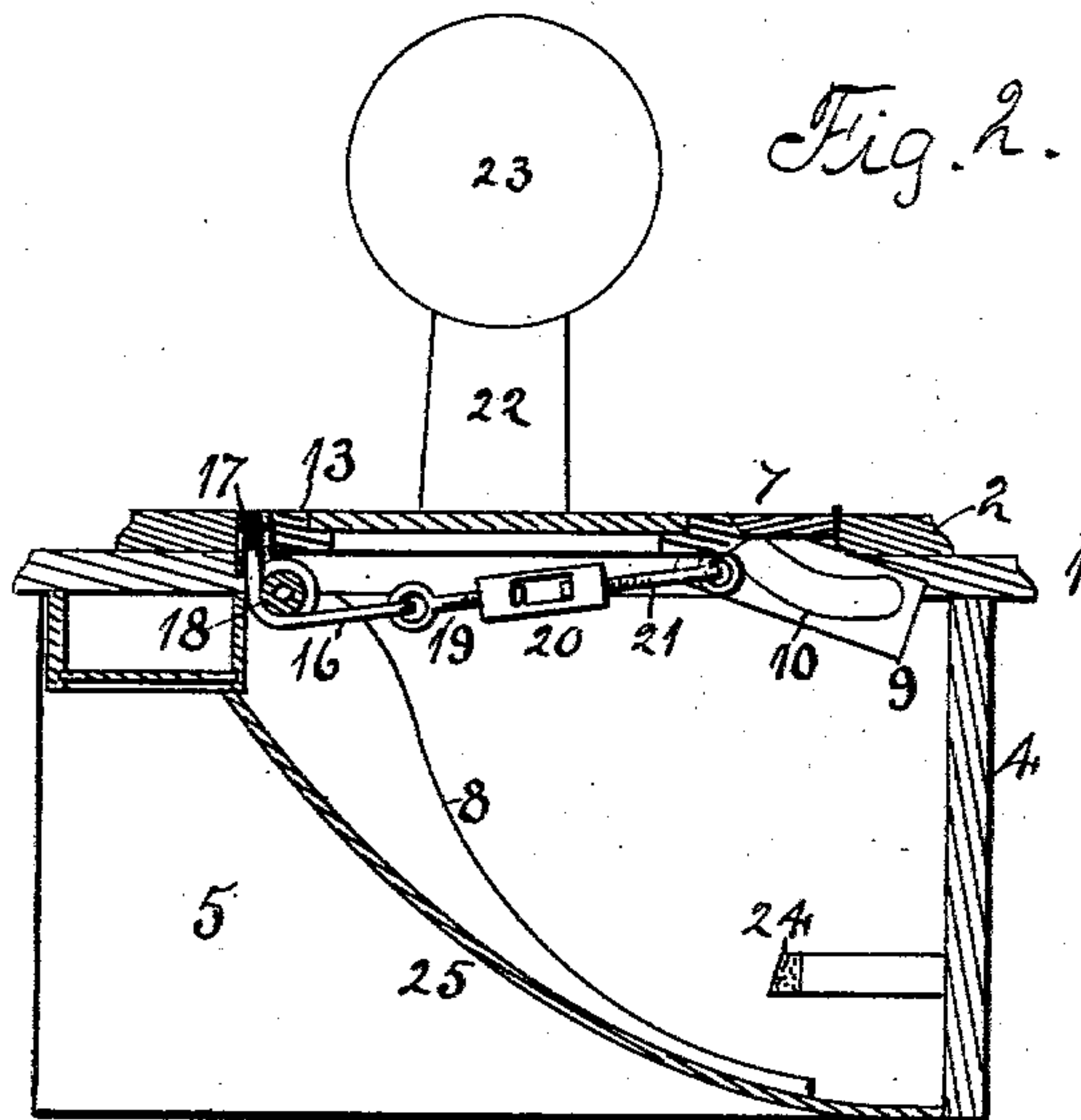


Fig. 2.

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2 SHEETS-SHEET 2.

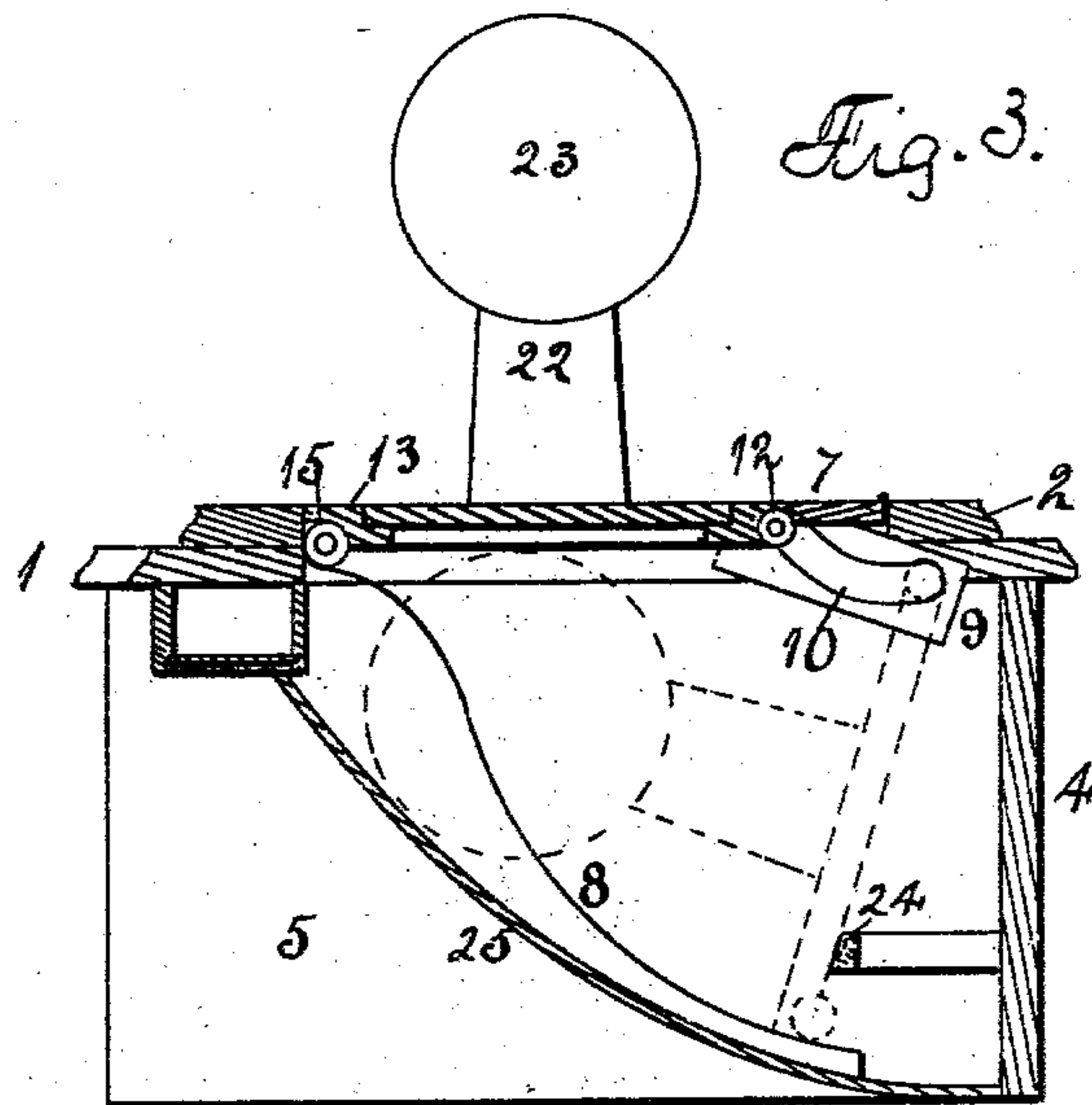


Fig. 3.

Fig. 5.

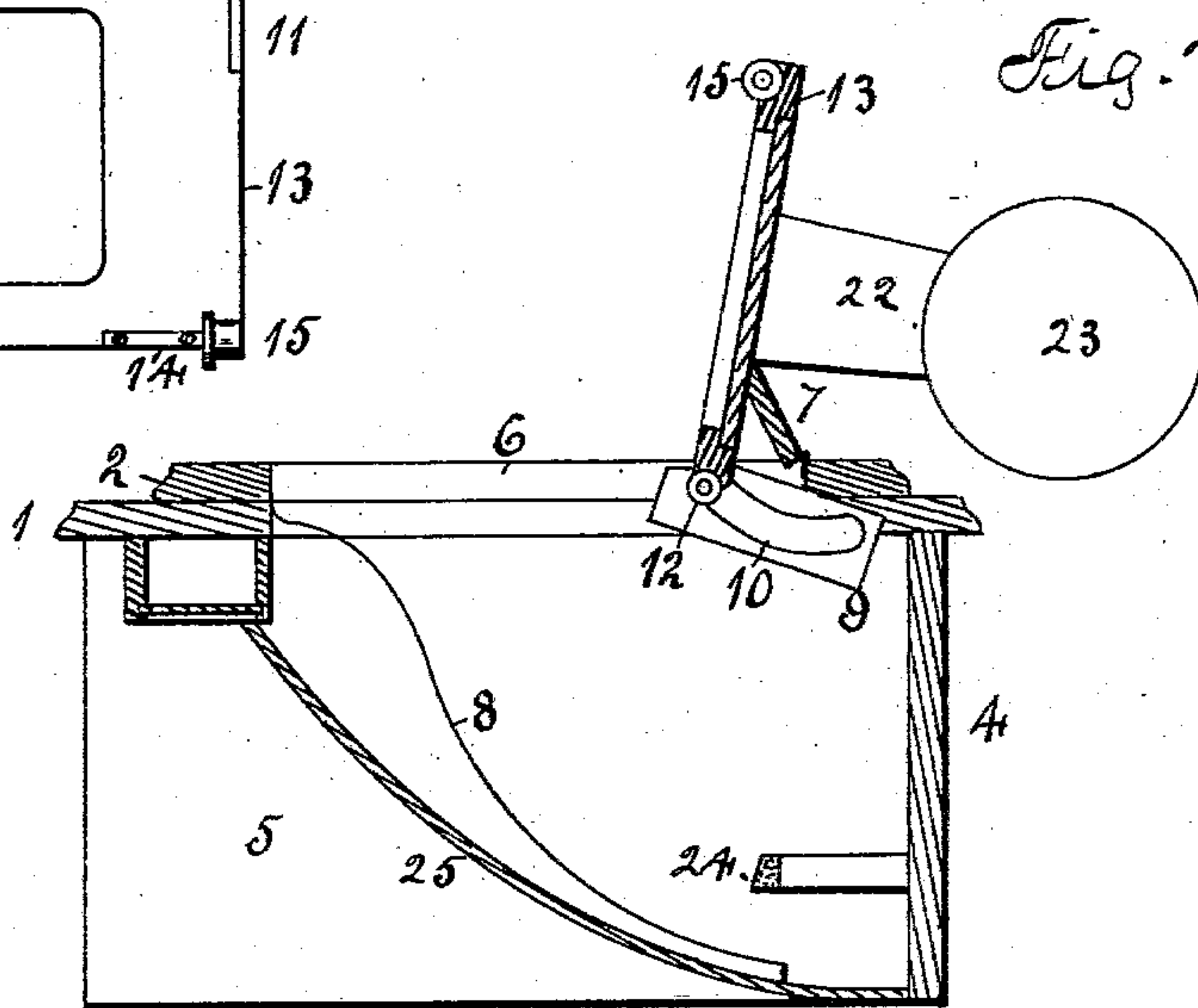
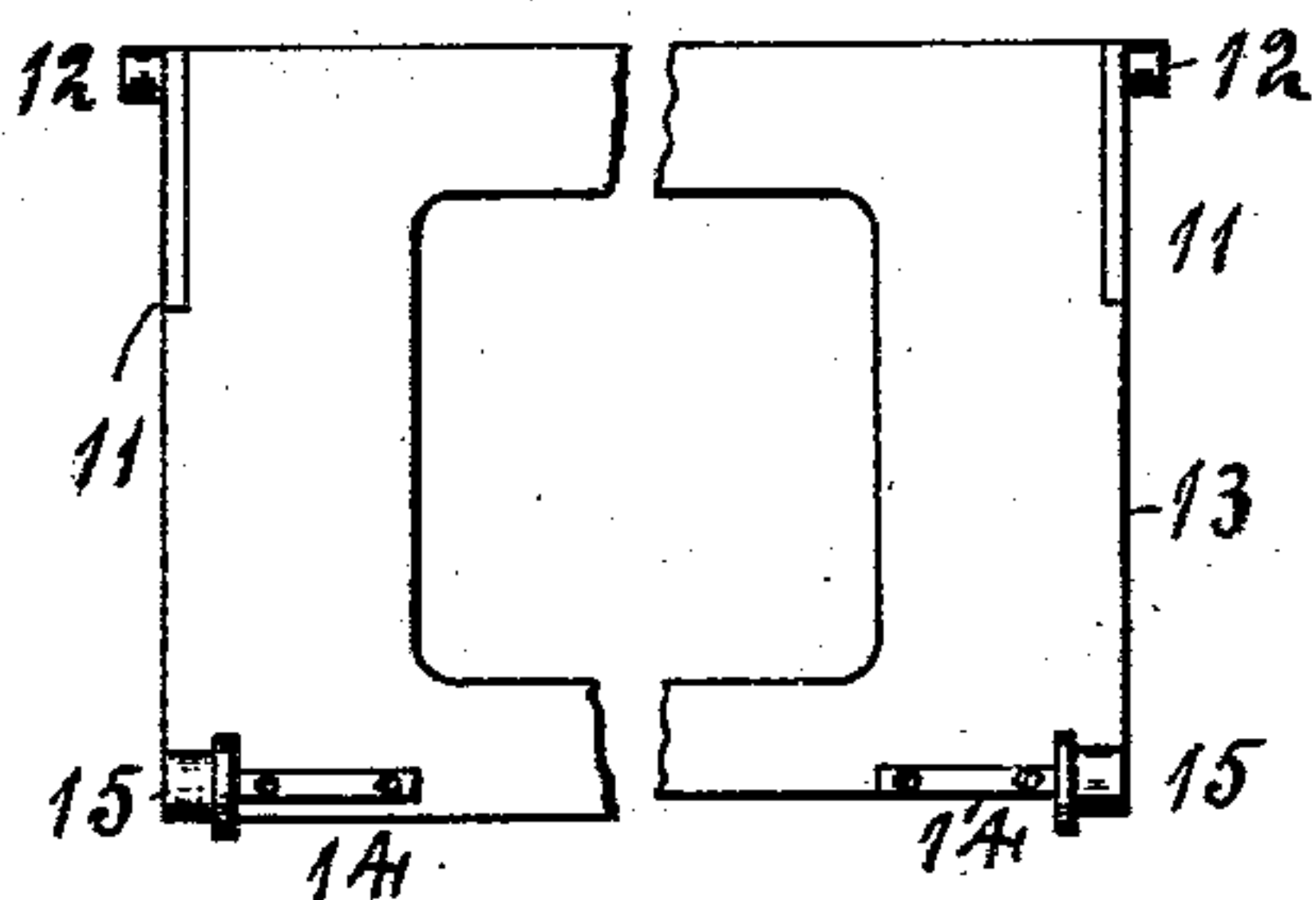


Fig. 4.

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# UNITED STATES PATENT OFFICE.

EDWARD E. MANNING, OF BELVIDERE, ILLINOIS.

## SEWING-MACHINE CABINET.

SPECIFICATION forming part of Letters Patent No. 740,579, dated October 6, 1903.

Application filed November 28, 1902. Serial No. 133,146. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD E. MANNING, a citizen of the United States, residing at Belvidere, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in Sewing-Machine Cabinets, of which the following is a specification.

The object of this invention is to construct a sewing-machine cabinet provided with an automatic lift operated by the movement of the cover.

In the accompanying drawings, Figure 1 is a top view of a sewing-machine cabinet embodying my improvements. Fig. 2 is a transverse section showing the flexible band connected to the cover and its connection with the platform. Fig. 3 is a transverse section showing the platform raised and in dotted lines showing it in its lowered position. Fig. 4 is a transverse section showing the platform tipped over, exposing the under face of the platform, so that access may be had to the operative parts of the machine. Fig. 5 is an under face of the platform, showing the rollers supported thereby.

The top 1, frame 2, cover 3, back 4, and ends 5 are of the usual construction found in sewing-machine cabinets.

To the rear edge of the opening 6 in the frame is hinged a leaf 7. In the inner face of each end is formed a cam-shaped track 8, extending from the upper front edge obliquely downward toward the rear lower edge. To the inner face of each end is secured a plate 9, having a cam-shaped opening 10 therein. This cam-shaped opening extends rearwardly and downwardly.

To the rear corners of the platform 13 are secured plates 11, and each plate supports a roller 12. To the front corners of the platform are secured arms 14, and each arm supports a roller 15.

The rollers 12, secured to the rear corners of the platform, are located in the cam-shaped openings 10 in the plates 9, and the rollers are secured to the front corners of the platform are located in contact with the cam-shaped tracks 8.

The cover has a hinged connection with the frame, and a connection is formed between the cover and platform comprising a flexible band 16, having one end connected to the

cover and passing over the roller 17 and under the roller 18 in order that its direction may be changed. To the free end of the band is connected a screw-threaded rod 19, having a connection with the center portion 20 of the turnbuckle, and a screw-threaded rod 21, connected with the center portion of the turnbuckle, has a connection with the platform at its rear edge.

The outline of the sewing-machine head is shown in the drawings and comprising the overhanging arm 22 and wheel 23.

The movement of the rear end of the platform is controlled by the cam-shaped openings 10 and that of the front end by the cam-shaped tracks 8.

When the parts are in the position shown at Figs. 1, 2, and 3, the platform and sewing-machine head are held elevated by reason of the flexible connection between the cover and platform, and in these figures the cover is open. The act of closing the cover gives slack to the flexible connection, which allows the platform to descend. The platform in starting its descent moves bodily downward and rearward until the rollers 12 reach the rear end of the cam-shaped openings 10. The platform will maintain a substantially horizontal position during this movement. The lower section of the cam-shaped tracks 8 are segments of a circle, the rear end of the cam-shaped openings 10 being the center, and after the platform has reached the position above described the rollers 12 act as pivots for the rear end of the platform, and the front edge of the platform will move down the tracks until the position is reached shown in dotted lines, Fig. 3, when it will come in contact with the elastic stops 24 and the sewing-machine head will be below the cover. The weight of the platform and sewing-machine head will carry them down, and in opening the cover the flexible connection between the cover and platform will first raise the front end of the platform until it is substantially horizontal, and the further movement of the cover will raise both ends of the platform and move the platform forward into its elevated position.

By means of the turnbuckle the slack in the flexible connection between the cover and platform can be taken up.



The lower portion and front of the cabinet below the top are closed by the stationary portion 25.

5 The platform can be tilted into the position shown at Fig. 4, and the leaf 7 will act as a brace and hold the balance-wheel free of the woodwork in order that the mechanism of the machine can be properly oiled and cleaned.

I claim as my invention—

- 10 1. A sewing-machine cabinet having an opening in its top, a pair of plates located within the cabinet at the rear thereof and at opposite ends of the opening, each plate having a downwardly-arched groove, a pair of  
15 trackways of irregular curvature extending from the front of the opening in the top at opposite ends thereof, down within the cabinet and terminating at a point below the said arched grooves and a platform having pro-  
20 jections at its opposite ends at the front and rear thereof, the projections at the rear entering the said arched grooves and the projections at the front arranged to ride upon the

said trackways, the arrangement being such that the platform may lie below or at a level 25 with the top of the cabinet and capable further of being tipped back above the same, the said irregularly-curved trackways acting, when the platform is being lowered, to bodily shift the latter rearwardly to move the pro- 30 jections along the said arched grooves.

2. In a sewing-machine cabinet, the combination with the top, of a cover hinged there- to, an opening in the top of the cabinet, a platform connected to the top and arranged 35 to lie below or at a level with the same and capable also of being tipped back above the same, a connection between the platform and cover, a supplemental leaf hinged to the top and adapted to support the platform when 40 the platform is tipped back.

EDWARD E. MANNING.

Witnesses:

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