

No. 685,181.

Patented Oct. 22, 1901.

G. C. SHEPHERD.
TEMPORARY BINDING DEVICE.

(Application filed June 11, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

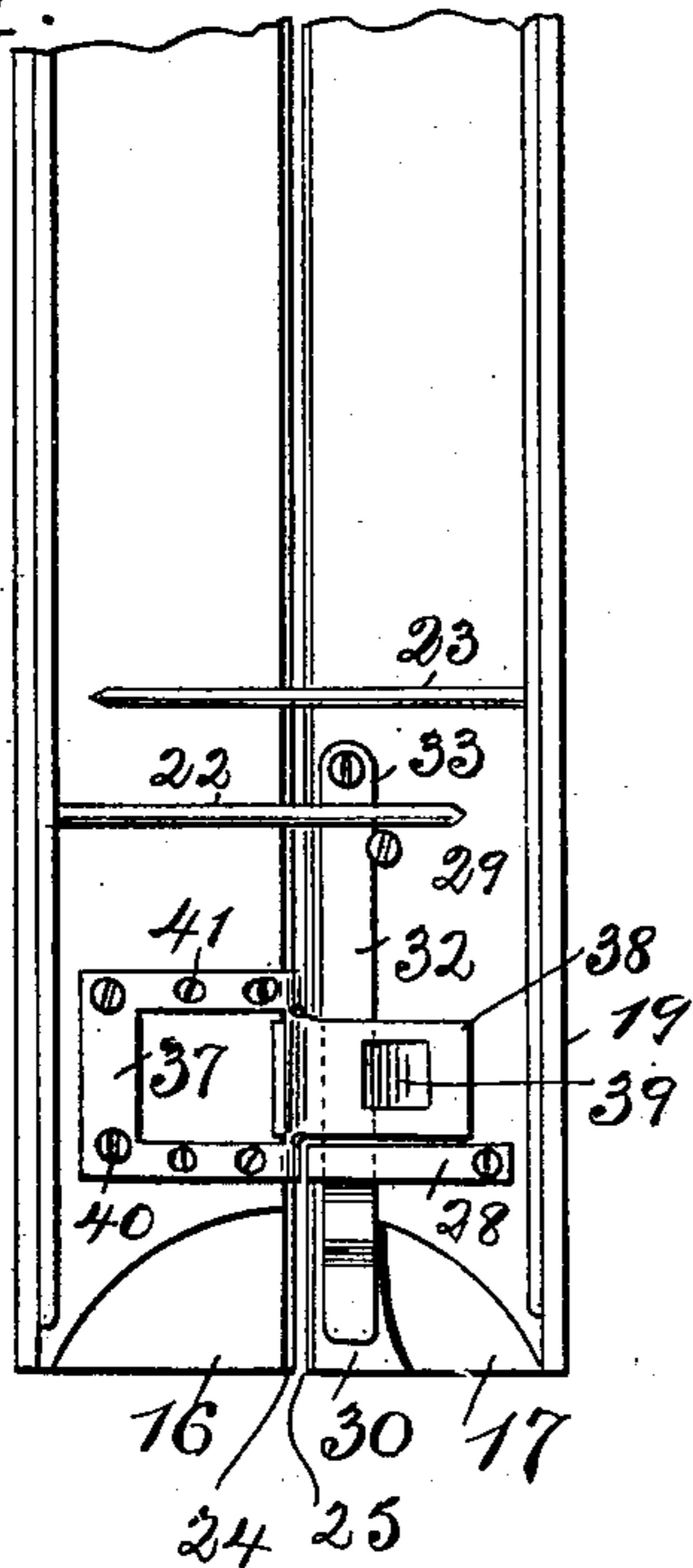


Fig. 3.

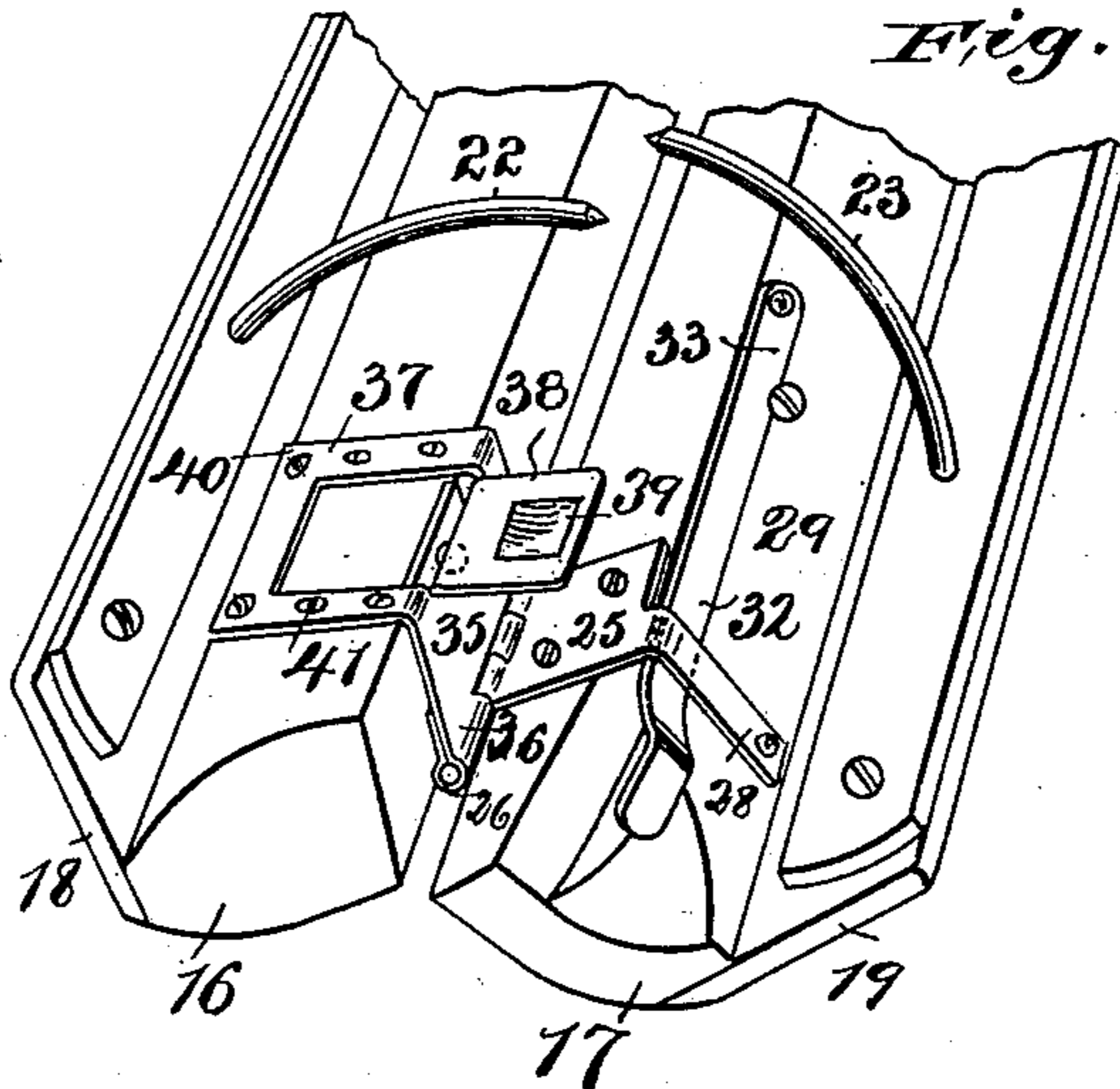


Fig. 2.

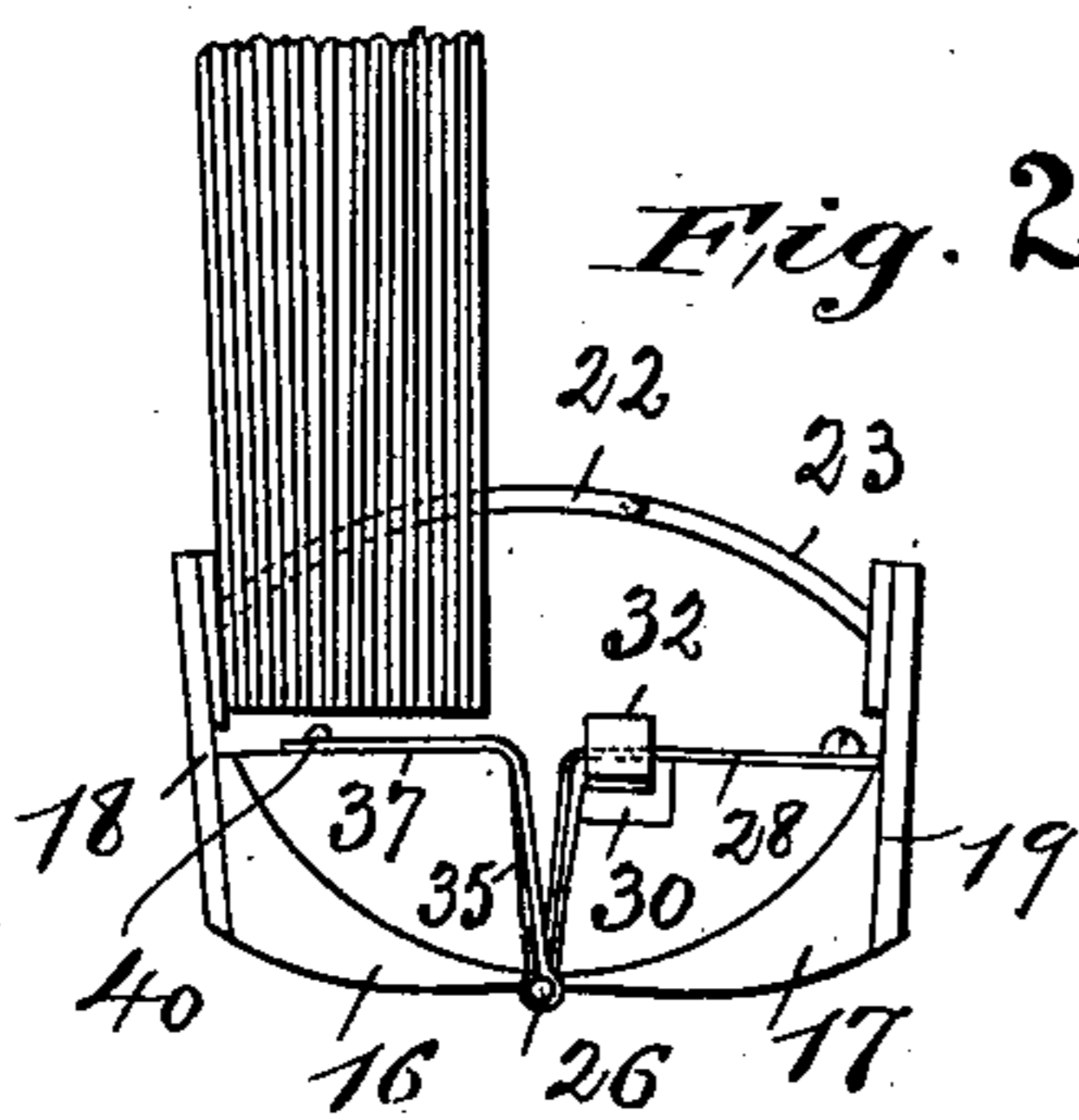


Fig. 4.

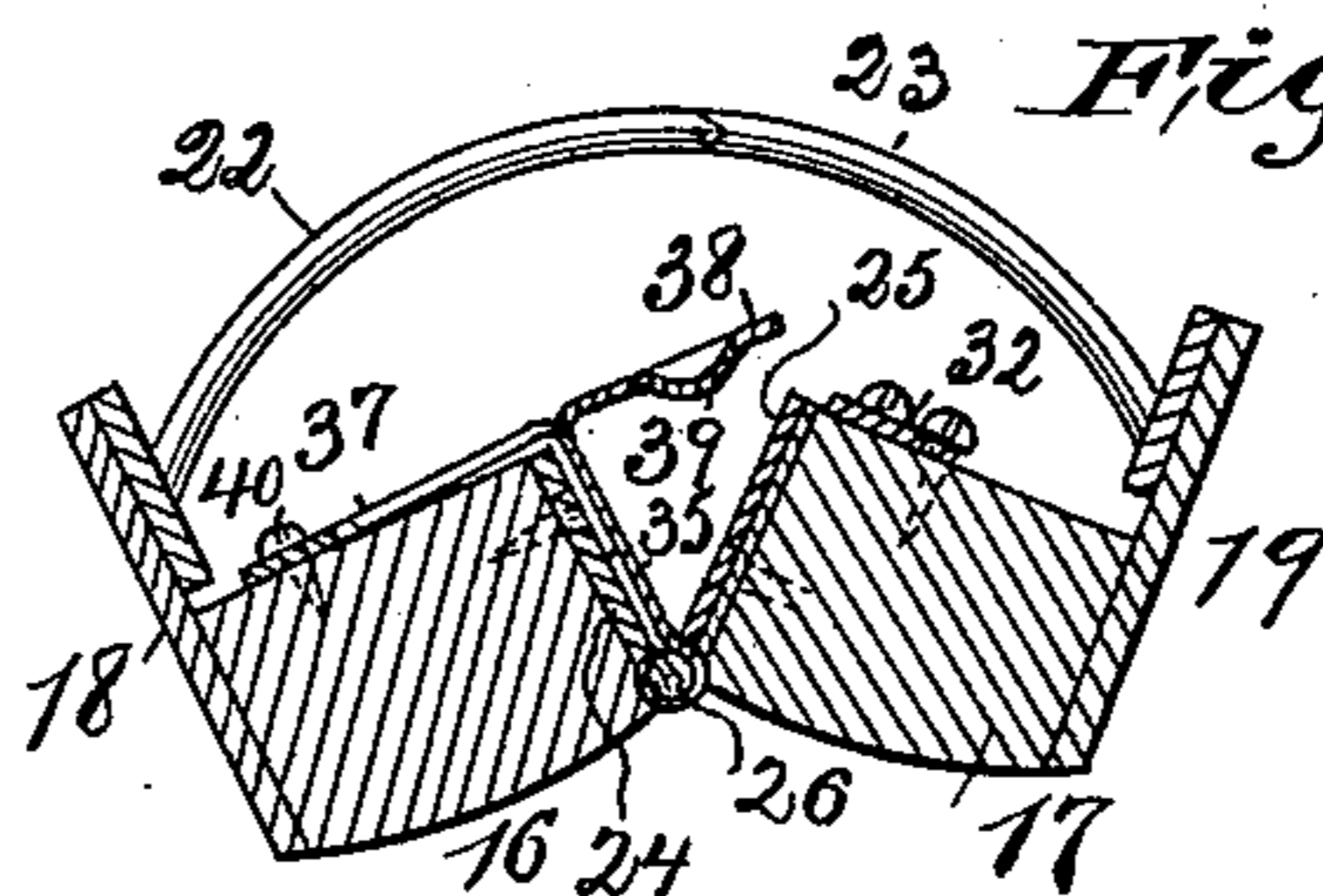
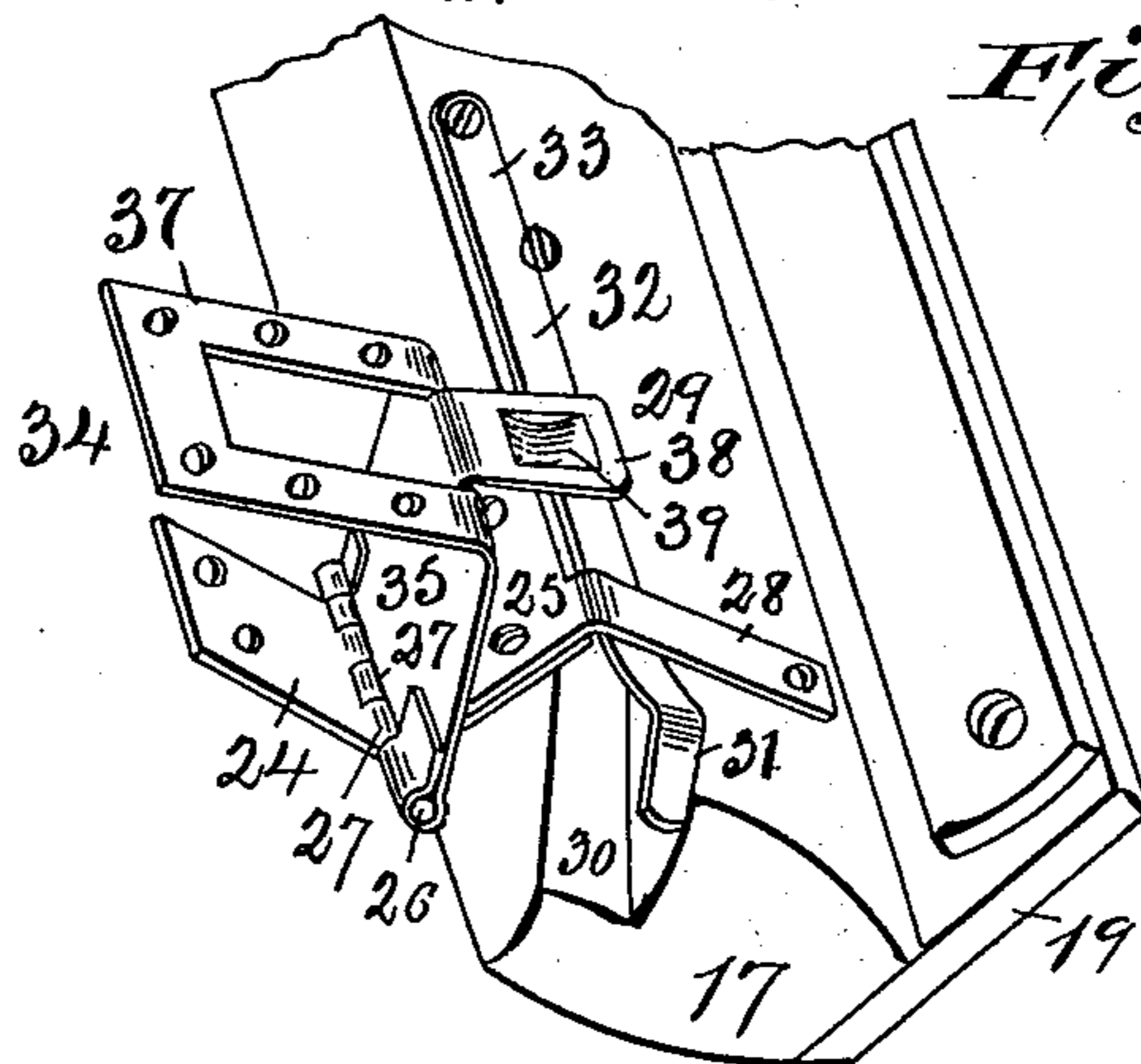


Fig. 5.



WITNESSES

Chas. E. Benjamin
Chas. E. Hensley

INVENTOR,

Gilbert C. Shepherd
by *Joseph R. Levy*
his ATTY

No. 685,181.

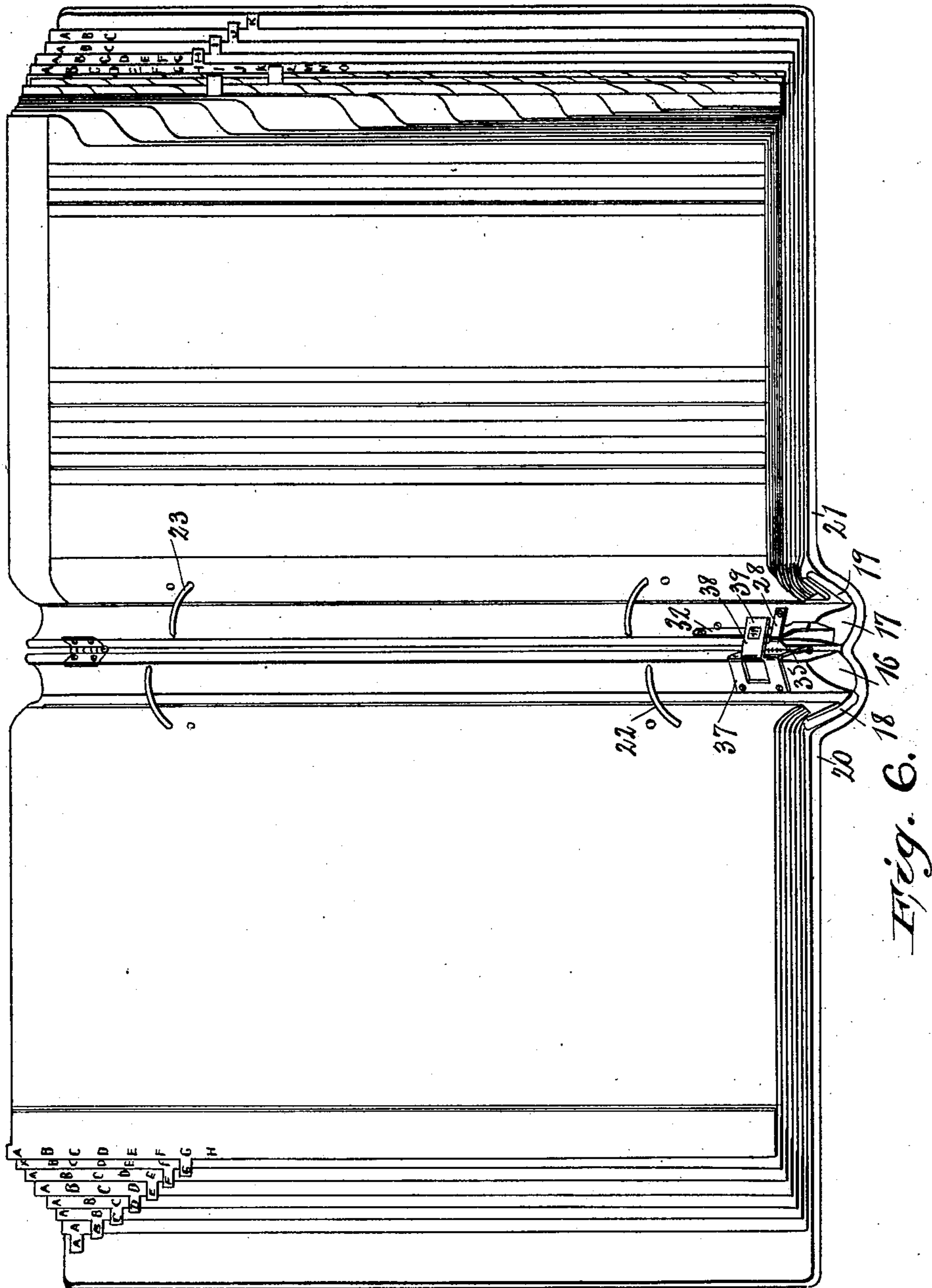
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2 Sheets—Sheet 2.



WITNESSES

Chas. G. Hershey
Chas. G. Hershey

INVENTOR

Gilbert C. Shepherd
by *Joseph R. Levy*
his ATTY

UNITED STATES PATENT OFFICE.

GILBERT C. SHEPHERD, OF BROOKLYN, NEW YORK.

TEMPORARY-BINDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 685,181, dated October 22, 1901.

Application filed June 11, 1900. Serial No. 19,861. (No model.)

To all whom it may concern:

Be it known that I, GILBERT C. SHEPHERD, a citizen of the United States, residing at the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Temporary-Binding Devices, of which the following is a specification.

My invention relates to improvements in binding devices in which sheets are to be bound, which improvements consist in an improved independent and adjustable latch or lock for holding the binding-sections permanently or temporarily together, means for easily freeing or locking the same, and means for adjusting the locking device so as to allow for an increase or decrease in the lateral dimension of the book without impairing the locking action of the latch.

The invention also consists in the novel details of improvement and combination of parts, which will be more fully hereinafter set forth, and further pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part thereof, wherein—

Figure 1 is a plan view of the binder-frame closed. Fig. 2 is an end view of Fig. 1. Fig. 3 is an enlarged perspective view of a portion of the binder-frame unlatched. Fig. 4 is a sectional elevation of Fig. 3. Fig. 5 is a perspective view further illustrating the latch for the binder-sections; and Fig. 6 is a perspective view of an index-book, the leaves of which are secured to the temporary binder embodying my improvements.

Similar numerals of reference indicate corresponding parts in all the views.

The binder, as illustrated herein, comprises the two back-sections 16 17, preferably made of wood, with right-angled projections 18 19, to which the covers 20 21 of the book or binder are secured, and to the laterally-projecting pieces 18 19 are secured filing points or prongs 22 23, all of the usual construction. In devices of this kind it has been usual to provide a latch to secure the hinged book-sections together, and I do not claim to be the first person to have provided the hinged backs and a latch for locking them in their closed position. However, in previous constructions involving hinged sections no means

have been provided, so far as I know, to allow of the increase of growth of the body of the book due to adding additional sheets thereto—that is to say, no locking means have been provided which can be readily adjusted to allow of the growth of the book over the normal distance between its covers when combined with hinged back-sections. My improvements in temporary binders have for their object the accomplishment of this result.

At 24 25 are the two parts of a hinge, which may be duplicated, (see Fig. 1,) the part 24 being secured to the section 16 and the other part 25 to the opposing section 17, the two parts being connected by a hinging-pin 26 by being passed through the edges 27, formed on the edge of the hinge-section. The part 25 has an extension 28 lying at right angles, which is secured upon the horizontal face 29 of the back-section 17, the material of said section being cut away under the extension, as at 30, to allow of the downward play of the free end 31 of the securing-latch 32, one end 33 of which is fastened to the back-section at a point removed from the hinge.

At 34 is what I term the “intermediate” or “adjustable” lock-plate. In the specific embodiment herein illustrated it comprises the arm 35, having ends formed into tubular projections 36 to receive the hinging-pin 26, which hinges the sections of the main hinge together, thereby pivoting the locking-plate upon the main body-hinge, but intermediate and independent of it, and allowing it to be operated or swung upon the pivoted pin independently of the pivotal movement between the respective backs of the binder. The main tongue or section 35 of the locking-plate has two right-angled extensions 37 38, both lying in the same horizontal plane, but extending in opposite directions from the section 35, the extension 38 having a depressed lug 39, adapted to press against the edge of the spring-latch 32 when the back-sections are moved together to lock the sections together and which can be freed by merely pressing down the latch 32 without compressing the hinged sections together.

For convenience and economy of manufacture the lock-plate is made of one piece of

metal and the extension 38 is struck from the extension 37 and turned over, as clearly illustrated in the figures. The extension 37 of the locking-plate is adapted to be secured to the back-section 16, as by screw 40 or by other desired means, and it is the design of this construction that the section 37 be provided with means securing it to the back-section 16 adjustably, so as to allow for the growth of the book. To accomplish this adjustable attachment of the locking-plate to one of the back-sections, the extension 37 may be provided with holes 41, through which screws may be passed to secure the extension to the back-section at different points along the length of said extension, so as to provide means for locking the back-sections together and allowing for the increase of internal diameter of the book. For the purpose of later adjustment of the locking-plate it is essential that more than one hole 41 be provided, and even these may be dispensed with if other suitable means are provided.

I desire to have it understood that inasmuch as I consider myself to be the first in a device of this kind to have employed a locking-plate independently hinged relative to the means for hinging the back-sections together I do not limit myself to the specific construction of the locking-plate herein shown and described, as the invention may be otherwise embodied without departing from its spirit.

Having described my invention, I claim—

1. The temporary binder having separable backs, and a hinge for said backs combined with a locking-plate pivoted to said hinge, and secured to one section and adapted to be

secured to the other section, substantially as described.

2. The combination in a temporary binder, of the back-sections, a hinge for the back-sections, and a locking-plate pivotally secured on said hinge and having an extension secured to one of the back-sections, a latch secured to the opposing section, and an extension from the lock-plate, provided with means for detachably engaging said latch, substantially as described.

3. The combination with the separate back-sections, a hinge for the same comprising the plates 24 25, having tubular projections 27, the pivoting-pin 26 passing through said projections, the locking-plate 34 having the tongue 35 provided with tubular projections 36 hinged upon said pin, the extension 37 secured to the back-section 16, the projection 38 having depressions 39, and a spring-latch 32 secured at one end to the section 17, its free end being adapted to engage the depression, and a stop 28 for the free end of the latch, substantially as described.

4. In a detachable binder, the combination with the hinged sections, an independently-hinged locking-plate, means for adjustably securing the locking-plate to one of the hinged sections, and further means for detachably securing the locking-plate to the other hinged section, substantially as described.

Signed at the city, county, and State of New York this 6th day of June, 1900.

GILBERT C. SHEPHERD.

Witnesses:

CHAS. G. HENSLEY,
SOPHIA SEKOSKY.