

No. 612,563.

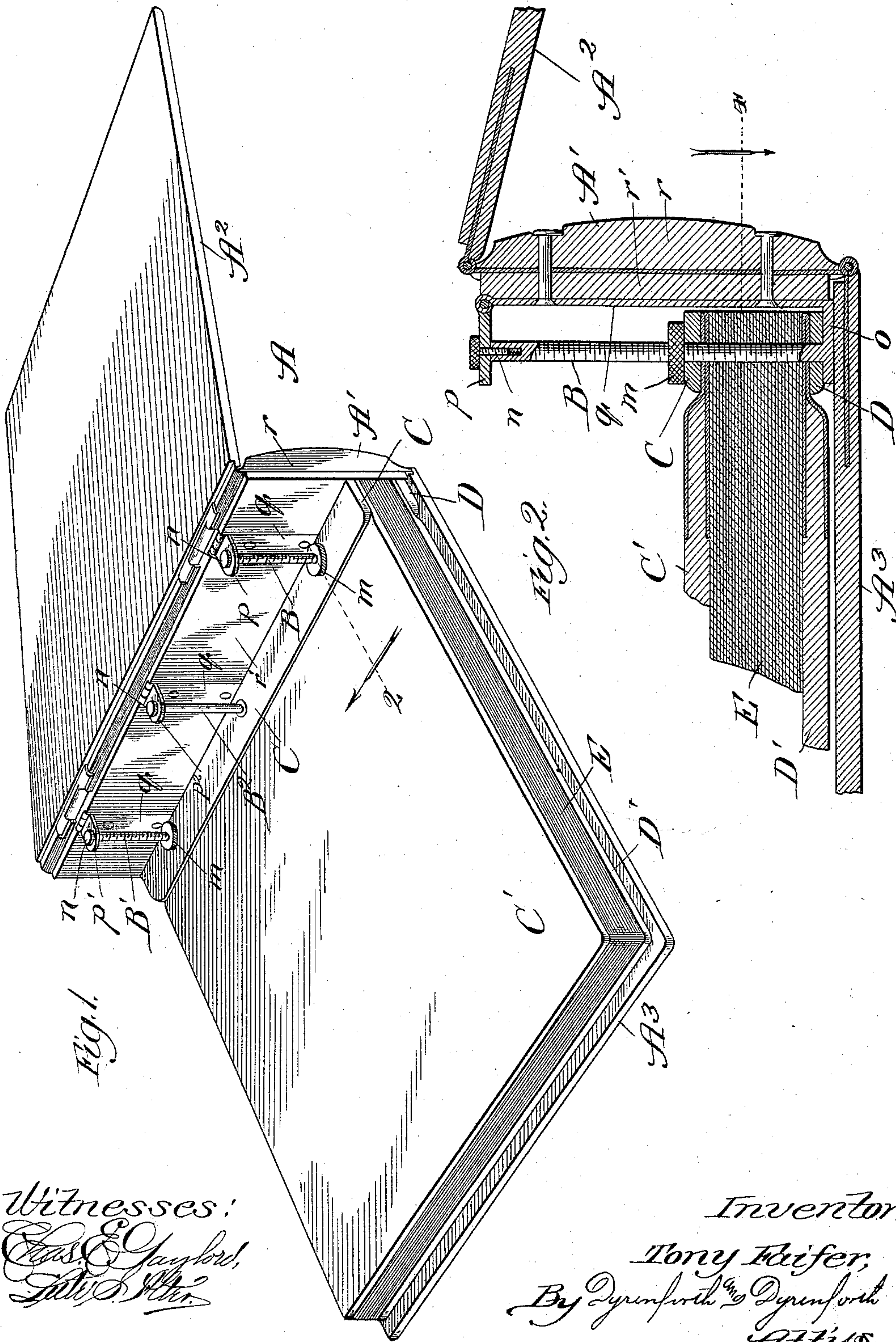
Patented Oct. 18, 1898.

T. FAIFER.  
TEMPORARY BINDER.

(Application filed Jan. 15, 1898.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:  
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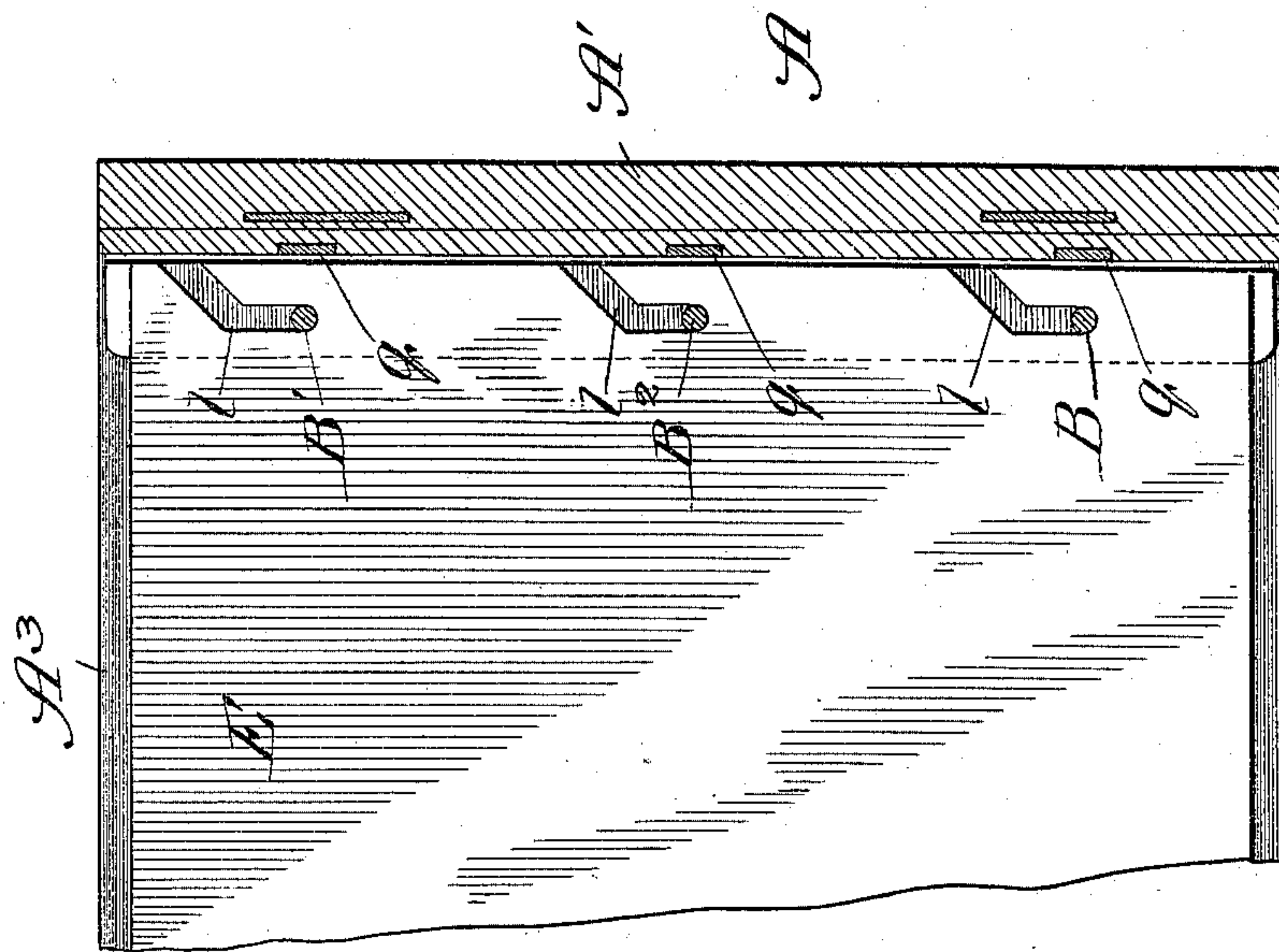
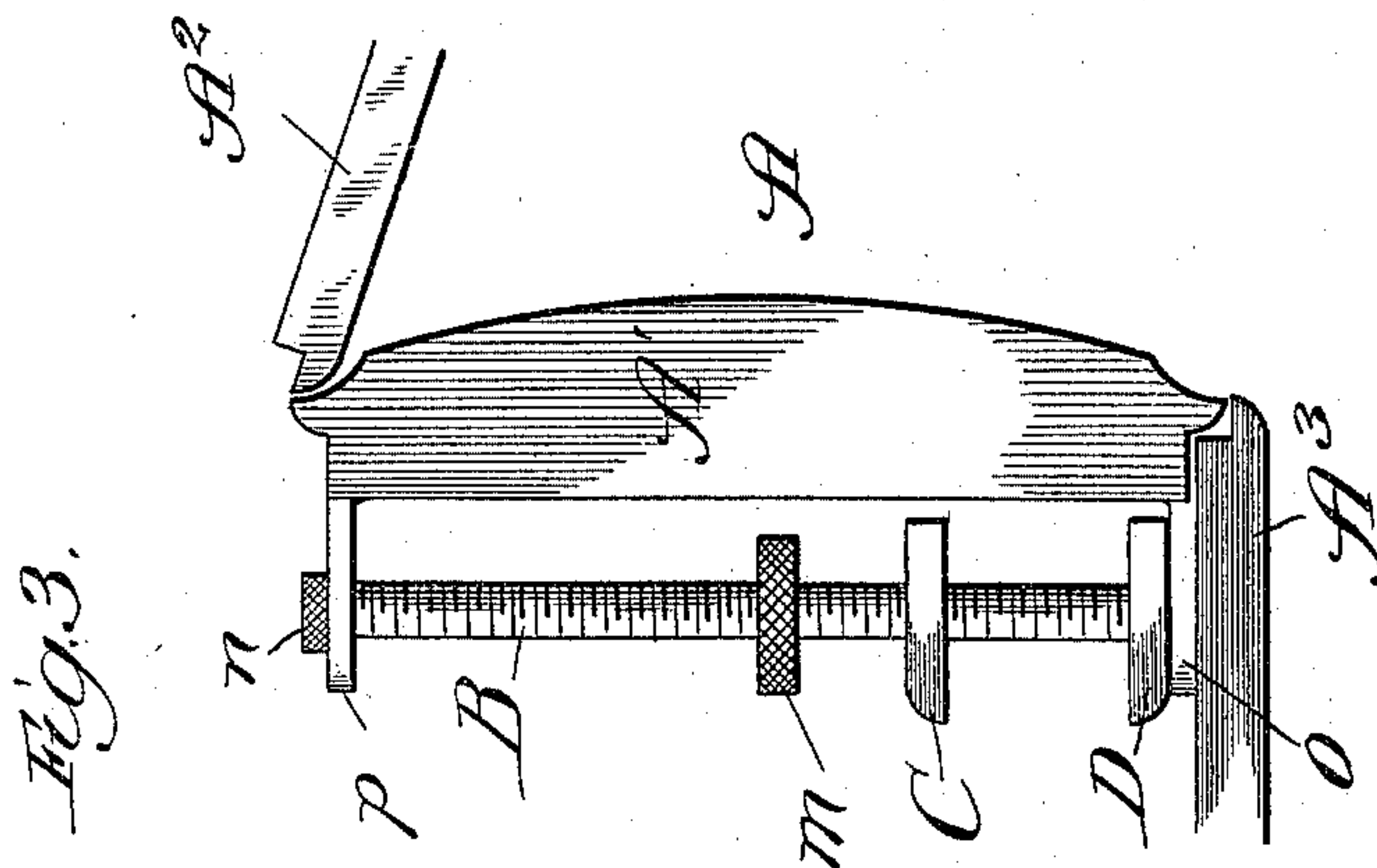
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TEMPORARY BINDER.

(Application filed Jan. 15, 1898.)

(No Model.)

2 Sheets—Sheet 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

TONY FAIFER, OF CHICAGO, ILLINOIS.

## TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 612,563, dated October 18, 1898.

Application filed January 15, 1898. Serial No. 666,787. (No model.)

*To all whom it may concern:*

Be it known that I, TONY FAIFER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have  
5 invented a new and useful Improvement in Temporary Binders, of which the following is a specification.

My invention relates to an improvement in the class of devices for temporarily binding  
10 loose sheets in which the binder comprises a back having flexibly connected with it covers between which are held the sheets bound by filing them on pins and clamping them together between binding-sticks.

15 My present invention is in the nature of an improvement upon the binder for which Letters Patent of the United States No. 557,788 were granted to me on the 7th day of April, 1896, and is especially designed for use with  
20 the so-called "loose-leaf-ledger" system of bookkeeping, though it is equally suitable, like my aforesaid former device, for temporarily binding loose papers, maps, and the like generally.

25 Referring to the accompanying drawings, Figure 1 is a perspective view of my improved binder, showing it in open condition; Fig. 2, a section taken at the line 2 on Fig. 1 and viewed in the direction of the arrow; Fig. 3,  
30 a broken view, in side elevation, with the the sheets removed and illustrating the operation of a clamp-nut on a binding-pin; and Fig. 4, a broken section taken at the line 4 on Fig. 2 and viewed in the direction of the ar-  
35 row.

A is the case of the binder, which I prefer to form entirely of wood. It comprises the back A', having hinged to its opposite edges the covers A<sup>2</sup> and A<sup>3</sup>, the back, as shown, be-  
40 ing formed of the two sections *r* and *r'*.

Hinged at intervals to one (the upper) edge of the inner section of the back A' are clips *p*, *p'*, and *p*<sup>2</sup>, preferably of metal, affording  
45 bearings for the upper ends of the binding-pins B, B', and B<sup>3</sup>. For the sake of durability these clips are hinged to the upper ends of metal bars *q*, countersunk and securely fastened in the face of the section *r'* to extend transversely across it, and from the lower  
50 end of each bar there projects forward a rigid foot *o*, shaped like the clips and from which a filing-pin extends upward. The two outer

filing-pins B and B' are threaded, and the intermediate filing-pin is plain or smooth, all for a purpose hereinafter described, and all  
55 should be of the same diameter. For fastening the clips to the pins the latter may be tapped in their upper end portions to receive headed screws *n*, passed into them through openings in the hinged clips.

60 C and D are clamping-sticks loose in the binder (though the stick D might be stationary or attached to the back A') and having holes provided at corresponding intervals to adapt them to be passed over the binding-  
65 pins, which should fit the holes snugly, and on the threaded pins B and B' are nuts *m m* for tightening the clamping-sticks against the leaves or sheets E to be bound held between them. From the clamping-sticks respectively  
70 extend the inside covers C' and D', which are flexibly connected with or hinged to the sticks and may be formed of pasteboard. They should be of dimensions to cover and protect the bound sheets, and either may be used  
75 when opened or folded over as a backing to facilitate writing on the reverse side of any bound sheet.

To bind sheets E, (which may be provided with holes near one edge at intervals and of  
80 dimensions corresponding with those of the binding-pins,) they are slipped at their holes upon the binding-pins against the under clamping-stick D after withdrawing the  
85 screws *n*, turning back the hinged clips, screwing off the nuts *m*, and withdrawing the binding-stick C, with its attached cover C'. When the sheets to be bound have been thus ad-  
90 justed, the clamping-stick C is replaced and the nuts *m* are screwed down against it upon the outer binding-pins to grip the sheets between the two binding-sticks, when the clips are turned on their hinges against the pins and fastened thereto by inserting the screws *n*.

The hinged clips take the place of the con-  
95 tinuous shield-stick of my aforesaid formerly-patented device, which renders somewhat inconvenient access to the nuts when high up on the binding-pins for manipulating them, while the clips do not in any way obstruct  
100 such access.

By leaving the intermediate binding-pin plain and of a diameter to cause the filing-holes in the sheets to fit it snugly the sheets



fit regularly one upon the other to coincide throughout in filing them and are not liable to get out of such regular order in manipulating the binder to withdraw or insert sheets, while if each of the binding-pins were threaded the consequent depressions in and projections upon them, by letting in some sheets and holding out others at the edges of the perforations in them, would tend to disorganize the sheets by preventing maintenance of their desired coincidence at the edges.

By providing the sheets E with filing-holes which open at the binding edges of the sheets, such as the angular holes *l*, (shown in Fig. 4,) which present the preferred form, on loosening the nuts *m* sheets may readily be inserted into or withdrawn from any place without to that end requiring other sheets to be taken off the binding-pins.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a temporary binder, the combination of transverse bars at intervals on the inner side of the back of the case, perforated hinged clips and rigid feet extending, respectively,

from the opposite ends of said bars, threaded binding-pins extending from said feet to be engaged at their free ends by said clips and provided at said ends with internally-threaded openings, and headed screws passing through said clips into said openings, substantially as described.

2. A temporary binder comprising, in combination, a case A having a stiff back A' provided at intervals on its inner side with transverse bars, perforated hinged clips and rigid feet extending, respectively, from the opposite ends of said bars, plain and threaded binding-pins extending from said feet to be engaged at their free ends by said clips and tapped in said ends, clamping-sticks on said pins, nuts on said threaded pins, headed screws passing through said clips into the tapped ends of the pins, and covers flexibly connected with the binding-sticks, substantially as described.

TONY FAIFER.

In presence of—

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