

No. 697,571.

Patented Apr. 15, 1902.

E. A. TRUSSELL.
TEMPORARY BINDER.

(Application filed Jan. 14, 1901.)

(No Model.)

Fig. I.

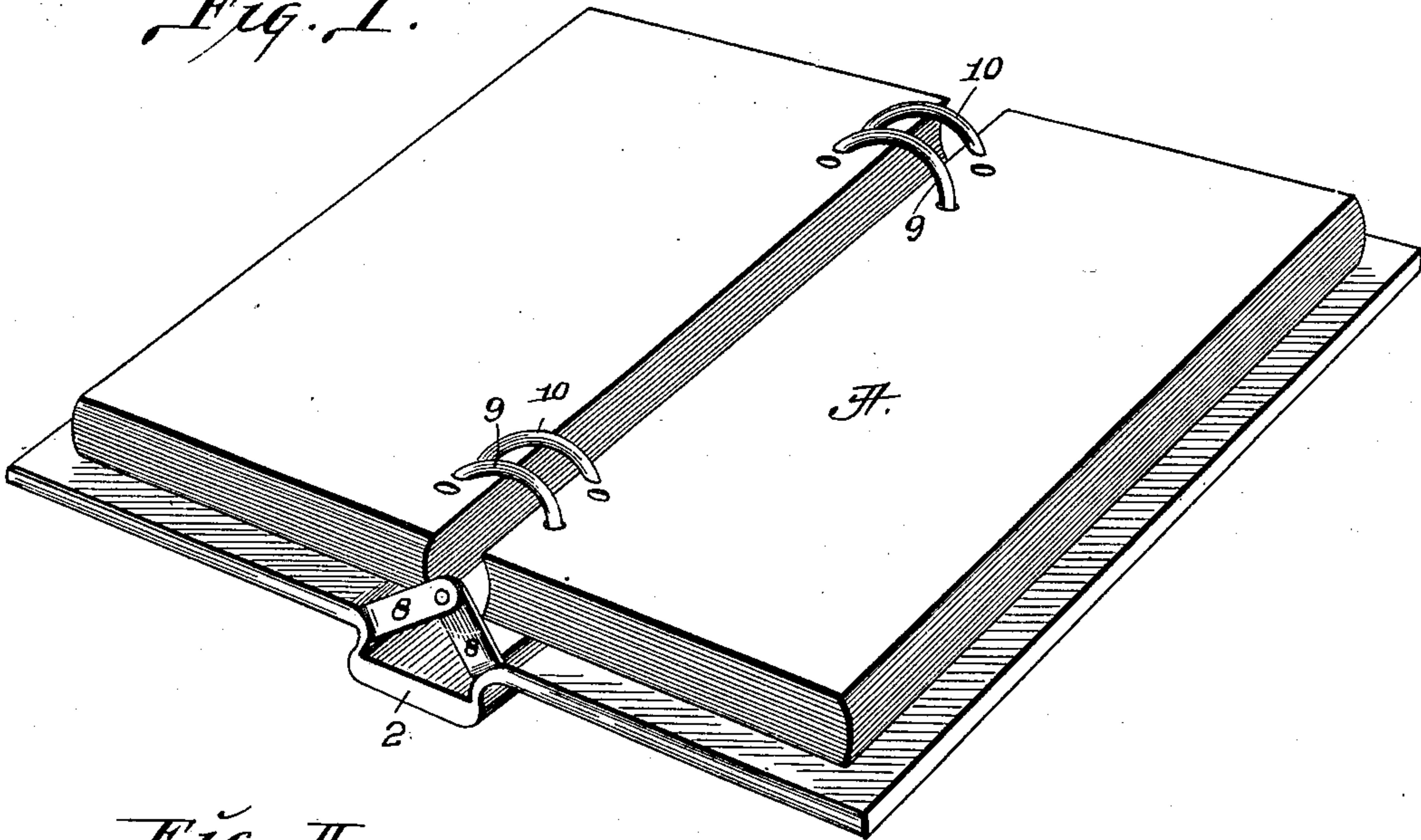


Fig. II.

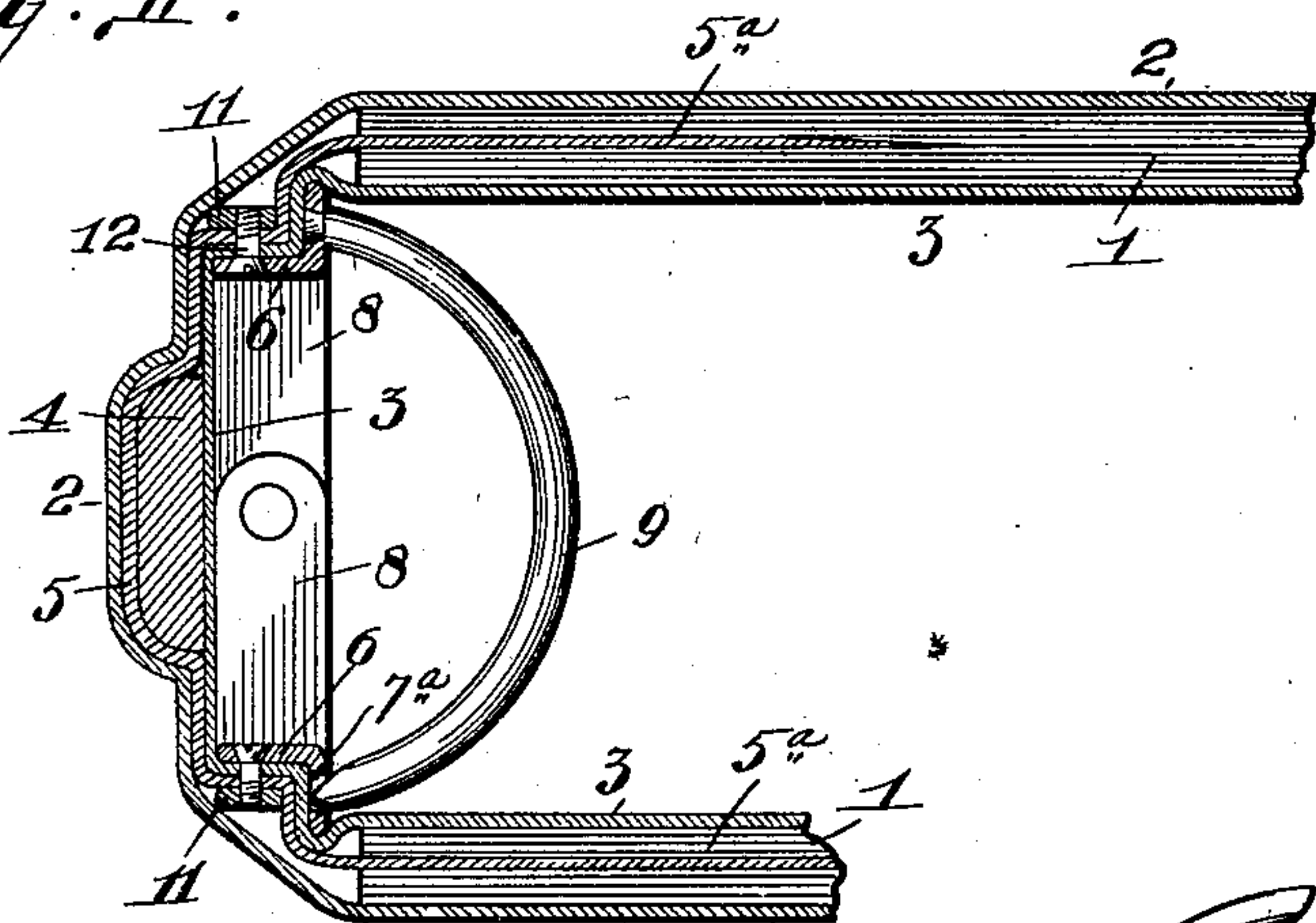
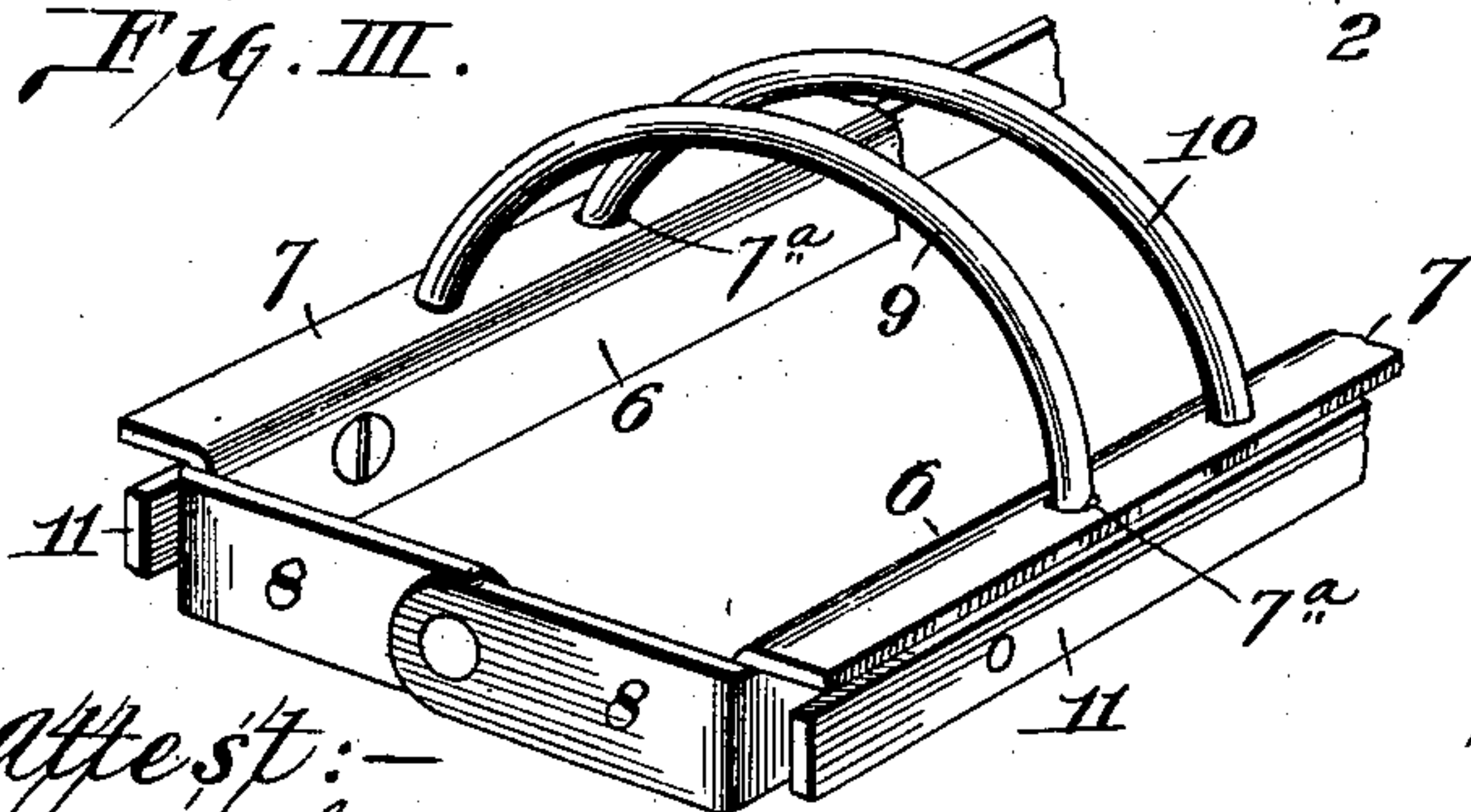
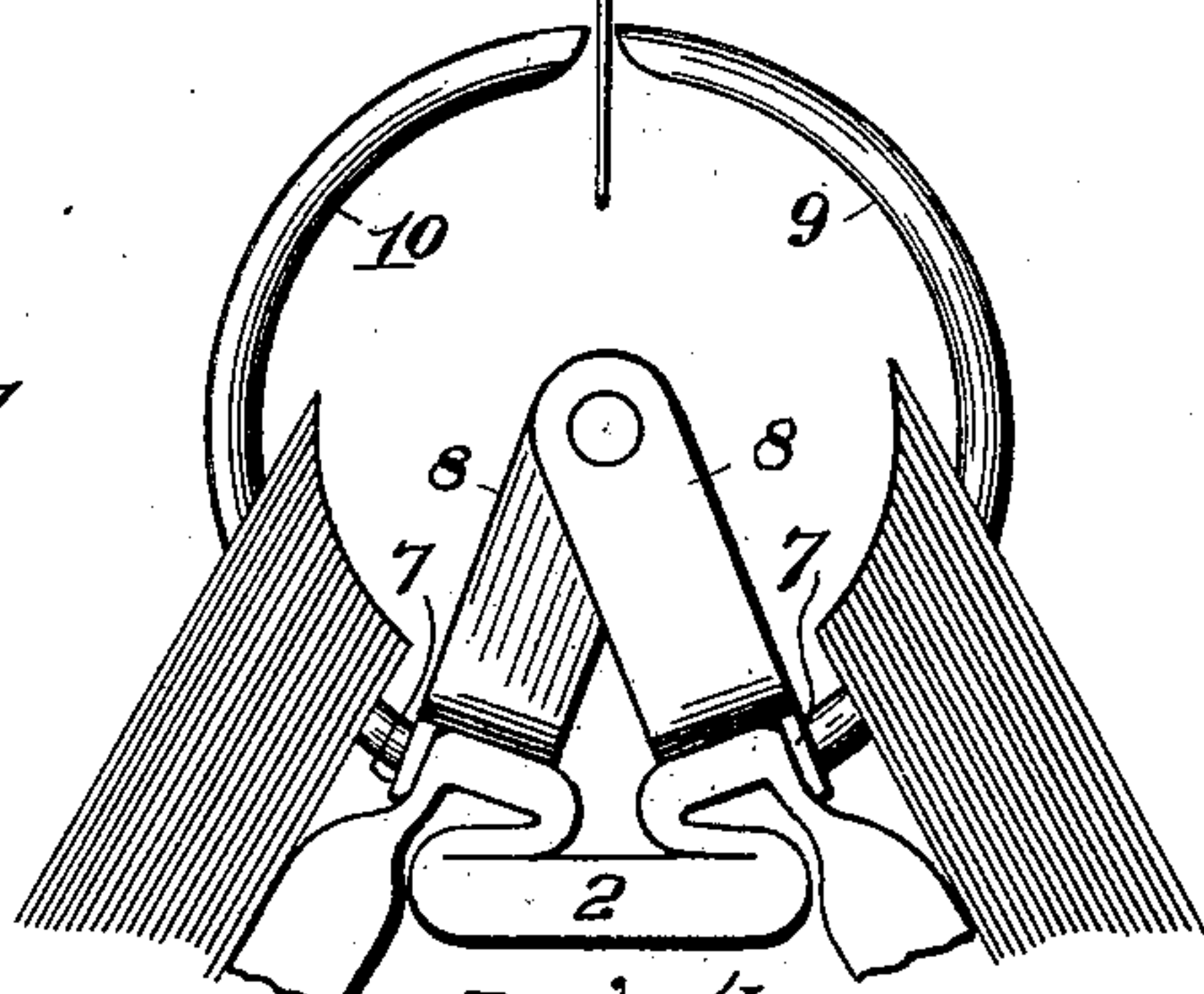


Fig. III.



Attest:-
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Fig. IV.



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UNITED STATES PATENT OFFICE.

EMORY A. TRUSSELL, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE SIEBER & TRUSSELL MANUFACTURING COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 697,571, dated April 15, 1902.

Application filed January 14, 1901. Serial No. 43,149. (No model.)

To all whom it may concern:

Be it known that I, EMORY A. TRUSSELL, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have
5 invented certain new and useful Improvements in Temporary Binders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 My invention relates to that class of temporary binders designed for use in holding loose sheets of paper; and the invention has for its object the production of a binder of the type named embodying a maximum of
15 strength and rigidity and of simple and inexpensive construction.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

20 Figure I is a perspective view of my binder in open position. Fig. II is an enlarged sectional view of the binder closed. Fig. III is an enlarged detail perspective view of one end of the sheet-holding frame. Fig. IV is an
25 end view showing the sheet-holding frame in the position assumed when loose sheets are inserted or removed.

1 designates the cover-boards, of strawboard or other suitable material. The cover-boards
30 are inclosed by outer facings 2 and inner facings 3, as seen in Fig. II. The facings 2 and 3 extend across the space between the rear edges of the binder to form members of the binder-back, and between them is located a
35 stiffener 4, that extends longitudinally of the binder to provide the necessary rigidity in the back of the binder.

5 designates a flexible reinforcing-stay, the central part of which is interposed between
40 the outer facing 2 and the stiffener 4 to form a member of the binder-back and the ends 5^a of which are inserted into the cover-boards 1 and glued therein, so that said reinforcing-stay serves to strengthen the connection be-
45 tween the binder-back and the covers.

6 designates the bars of a sheet-holding frame, said bars being provided with flanges 7 and hinged together by arms 8, carried thereby.

50 9 designates curved prongs, each perma-

nently fixed at one end to the flange of one of the frame-bars 6, and 10 are curved prongs, each fixed at one end to the flange of the other bar 6. These prongs 9 and 10 are adapted to receive the paper sheets A, previously perfo-
55 rated, placed thereon between the covers of the binder, the sheets being retained upon either of the prongs and being so correspondingly perforated that they may be transferred from side to side when the binder is open, as
60 shown in Fig. I.

Each of the flanges 7 of the bars 6 is provided with apertures 7^a, adapted to receive the points of the prongs 9 and 10 when the binder is in closed condition. By having the points
65 of the prongs enter the apertures 7^a, as stated, the prongs thereby connect the bars 6 when the binder is closed and serve as braces to prevent strain upon the sheet-holding frame.

The frame by which the loose sheets are
70 held—i. e., the bars 6 and connecting-arms 8—is joined to the back of the binder in the following manner:

11 designates clamping-strips that lie against the flexible reinforcing-stay 5, in posi-
75 tions opposite the frame-bars 6, and are connected to said bars by screws 12 and clamp the inner cover-board facing 3 and flexible stay 5, thereby securely holding the sheet-holding frame to the back of the binder.
80

I claim as my invention—

1. In a temporary binder, the combination of a pair of cover-boards, facings applied to the cover-boards and extending across the back of the binder and serving as back mem-
85 bers, a flexible reinforcing-stay interposed between said facings at the binder-back and having its ends inserted within said cover-boards and attached to said boards independ-
90 ently of said facings, and sheet-holding means attached to the binder-back, substantially as described.

2. In a temporary binder, the combination of a pair of cover-boards, facings applied to said cover-boards and extending across the
95 back of the binder and serving as back members, a flexible reinforcing-stay interposed between said facings at the binder-back and having its ends inserted within said cover-boards and attached to said boards independ-
100

ently of said facings, and a stiffening member located between one of said facings and said flexible reinforcing-stay, substantially as described.

- 5 3. In a temporary binder, the combination of cover-boards, inner and outer facings applied to said boards, said facings connecting said boards at their rear edges and serving as members of the back of the binder, a stay in-
10 terposed between said facings and having its ends secured to said cover-boards, a frame

composed of two bars hinged together, sheet-holding prongs carried by said frame, clamping-strips arranged against said stay, and means for connecting said frame and said 15 clamping-strips to clamp said stay and said inner facings, substantially as described.

EMORY A. TRUSSELL.

In presence of—

E. S. KNIGHT,
M. P. SMITH.