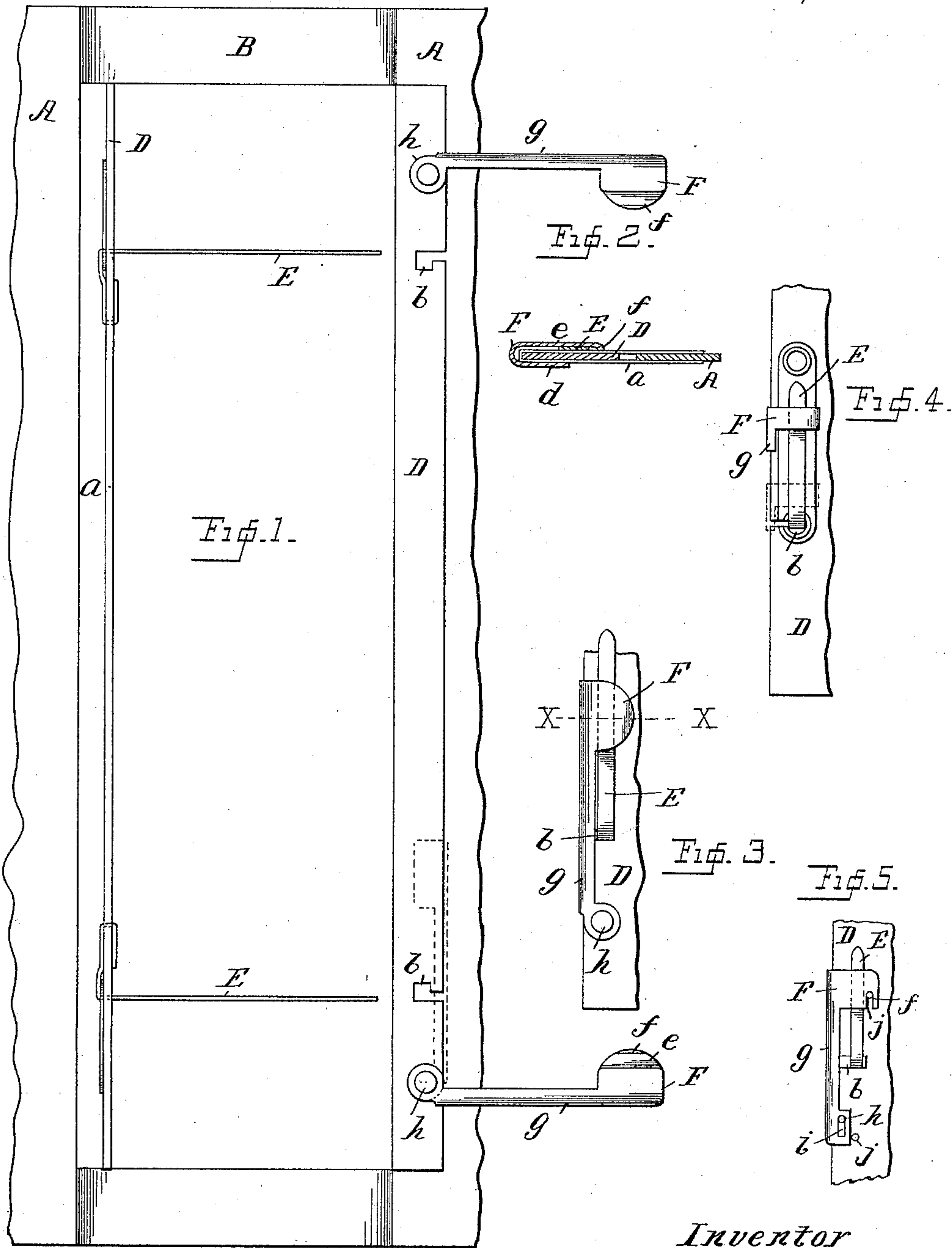


(No Model.)

T. F. BOURNE.
TEMPORARY BINDER.

No. 467,339.

Patented Jan. 19, 1892.



Witnesses

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THEODORE F. BOURNE, OF CLIFTON, NEW YORK.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 467,339, dated January 19, 1892.

Application filed February 12, 1891. Serial No. 381,129. (No model.)

To all whom it may concern:

Be it known that I, THEODORE F. BOURNE, a citizen of the United States, and a resident of Clifton, Richmond county, New York, have
5 invented a new and useful Improvement in Temporary Binders, of which the following is a specification.

One object of my invention is to provide improved means for holding the flexible tongue
10 in position after it has been passed through the paper.

Another object is to lock the tongue in its recess in the hinge-piece to prevent it from moving sidewise out of the recess and becoming
15 disengaged from the hinge-piece, while permitting easy adjustment of the tongue with its recess.

Reference is to be had to the accompanying drawings, wherein—

20 Figure 1 is an inside face view of a temporary binder embodying my invention, part of the covers being broken away. Fig. 2 is a cross-section on the line $x x$, Fig. 3. Fig. 3 is a detail view of the flexible tongue and its
25 locking-piece in the locked position, and Figs. 4 and 5 are details of modifications.

In the accompanying drawings, the letter A indicates the covers. B is the flexible back connecting said covers; D, the internal hinge-
30 pieces hung on the covers A, and E are the flexible connections, tongues, or pins carried by one hinge-piece D and adapted to pass through the papers to be bound and to be held upon the other hinge-piece D.

35 The above parts are all of well-known construction and may be suitably arranged, the hinge-piece D in Fig. 2 being shown connected to the cover A by the hinge a . One of the hinges D is provided with one or more recesses or apertures b to receive the tongue or
40 pin E, which latter, after entering said recess b , is laid down upon the hinge D, as shown, to hold papers, &c., between the hinges D.

F is a clamp carried by the hinge D, that
45 has the recesses b , and adapted to pass over the tongue E and to hold it down upon the hinge D. (See Fig. 2.) The clamp F is shown substantially U-shaped or open on one side, and when in position one of its sides d is under
50 the hinge D, while its other side e is over the hinge, the tongue E being held between the hinge D and side e of the clamp. By this

means any upward movement of the tongue E is prevented. The clamp F carries a lip or lug f , that acts to prevent the clamp from
55 moving spontaneously sidewise off of the hinge D by engaging the tongue E, (see Fig. 2;) but the lip f can be lifted over the tongue E when disengaging the clamp from the tongue. The clamp F is shown pivotally carried by the hinge-piece D, although it can be
60 otherwise arranged, so as to enable it to readily pass over the edge of the hinge D to embrace it. The clamp F is shown connected to an arm g , that is pivoted, as at h , on the
65 hinge D, so that the clamp can be swung sidewise to engage or disengage it from the tongue E.

The foregoing is a very simple yet effective arrangement for holding the tongue E in po-
70 sition after it is bent down upon the hinge.

The recess or aperture b may extend to the outer edge of the hinge-piece D, as shown, so that the tongue E can be placed in the same
75 sidewise at any point to avoid the necessity of always first passing the point of the tongue E through the aperture in D. After the tongue E has been passed into said recess it should be locked therein to prevent it from
80 moving sidewise spontaneously out of the recess, and for this purpose I cause the arm or bar g to pass across the recess b at its outer part, (see Fig. 3,) which locks the tongue in the recess, while the clamp holds the tongue
85 down. To remove the tongue from the hinge, the clamp F is first moved sidewise to uncover the tongue, while at the same time the arm g uncovers the recess b to allow the
90 tongue E to be removed from the recess; but the lock for holding the tongue E in the recess b can be otherwise arranged, if desired. For instance, the tongue-holder can slide along the hinge, as well known and as shown
95 in Fig. 4, the arm g being carried by the slide, so that as the slide is pushed along to cover the tongue E the arm g will be passed across the recess b . (See dotted lines, Fig. 4.)

Another means to prevent spontaneous side movement of the clamp F and arm g is to allow slight longitudinal movement of the
100 clamp and arm g and to cause the lip f to engage a pin j on the hinge D. This can be accomplished by making a slot i on the arm g to receive the pivot h , so that to remove the

clamp F the arm *g* is moved longitudinally to free the lip *f* from the pin *j*. (See Fig. 5.) Or the pin *j* may be placed close to the pivot *h* of the arm *g*, so that when the arm *g* is moved in one direction longitudinally it will be free from the pin *j*, so that it can be turned to release the tongue; but when the arm *g* is moved in the opposite direction it will encounter the pin *j*, and thus be prevented from turning.

It is evident that the tongue E can be made of metal or of any other suitable flexible material, and when I use the word "tongue" I mean the connection or part that holds the papers to be bound between the hinges.

Having now described my invention, what I claim is—

1. The combination of the covers, hinges, and tongue or pin E to enter one of said hinges with a clamp having one side *d* to pass under the hinge and another side *e* to pass over the hinge and over the tongue, the two outer edges of said sides *d e* being disconnected to permit said clamp to pass over the edge of said hinge, substantially as described.

2. The combination of the covers, hinges, and tongue or pin with a clamp hinged to one of said hinges and having one side open and adapted to embrace said hinge, substantially as described.

3. The combination of the covers, hinges, and tongue or pin with a clamp hinged to one of said hinges and with a stop to prevent side movement spontaneously of said clamp, substantially as described.

4. The combination of the covers and the swinging hinges jointed to the covers, one of said hinges having a recess extending to its edge, with a tongue or pin to enter said recess at different points throughout its length and an adjustable arm or bar to close said recess to prevent the tongue from escaping sidewise from said recess, said arm or bar being arranged to uncover said recess to permit the tongue to be drawn sidewise out of said recess, substantially as described.

5. The covers and hinges and the tongue or pin, one of said hinges having a recess leading to its edge, combined with a clamp to hold down the tongue and an arm or bar to close the recess to prevent the tongue from spontaneously escaping sidewise from said recess, substantially as described.

6. The covers and hinges, one of said hinges having a recess extending to its edge, and the tongue or pin, combined with the arm or bar *g*, pivotally carried on the hinge and adapted to extend across said recess to hold the tongue therein, and with the clamp carried by said arm and adapted to hold down the tongue, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 11th day of February, 1891.

THEODORE F. BOURNE.

Witnesses.

W. A. COURTLAND,
MILES W. BROOKS.