

(No Model.)

J. E. WOODWORTH, Dec'd.

H. B. WOODWORTH, Administratrix.

TEMPORARY BINDER.

No. 604,817.

Patented May 31, 1898.

Fig. 1.

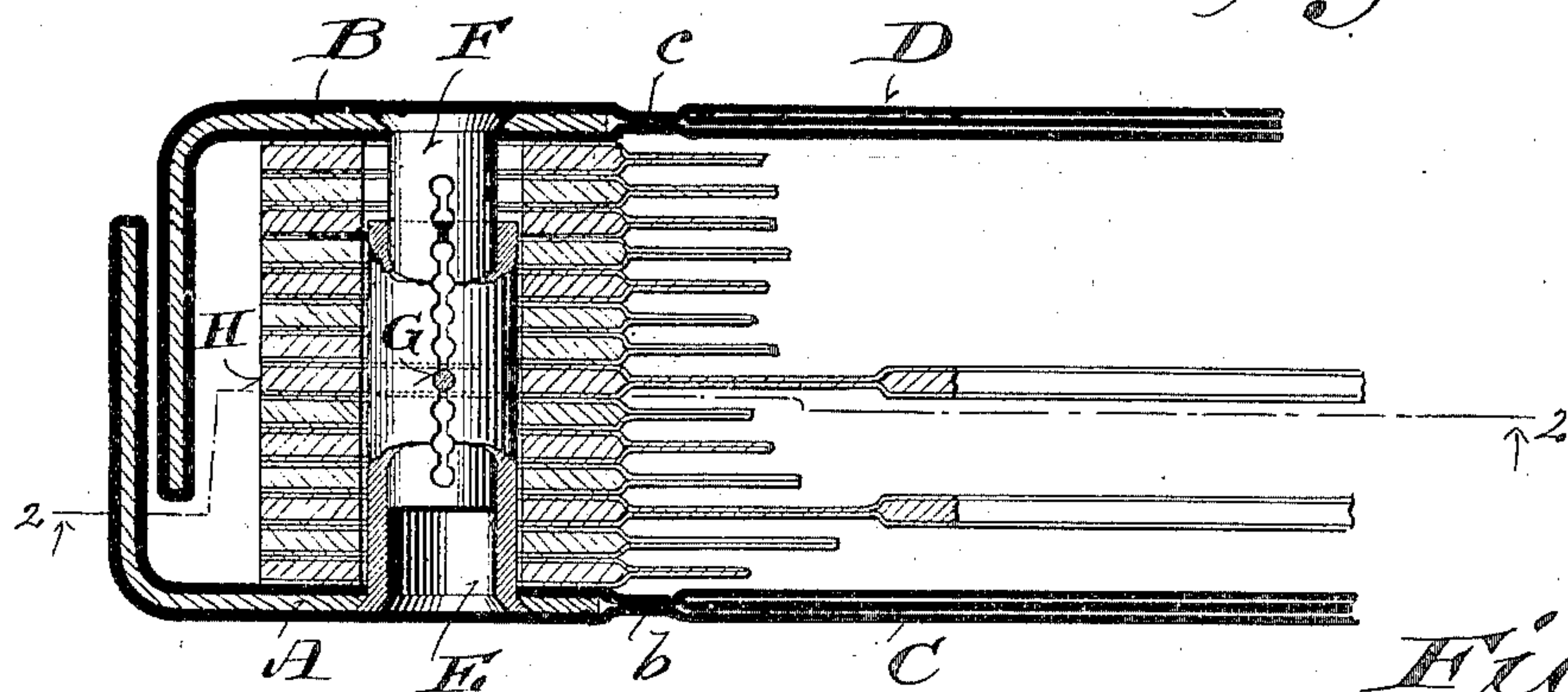


Fig. 2.

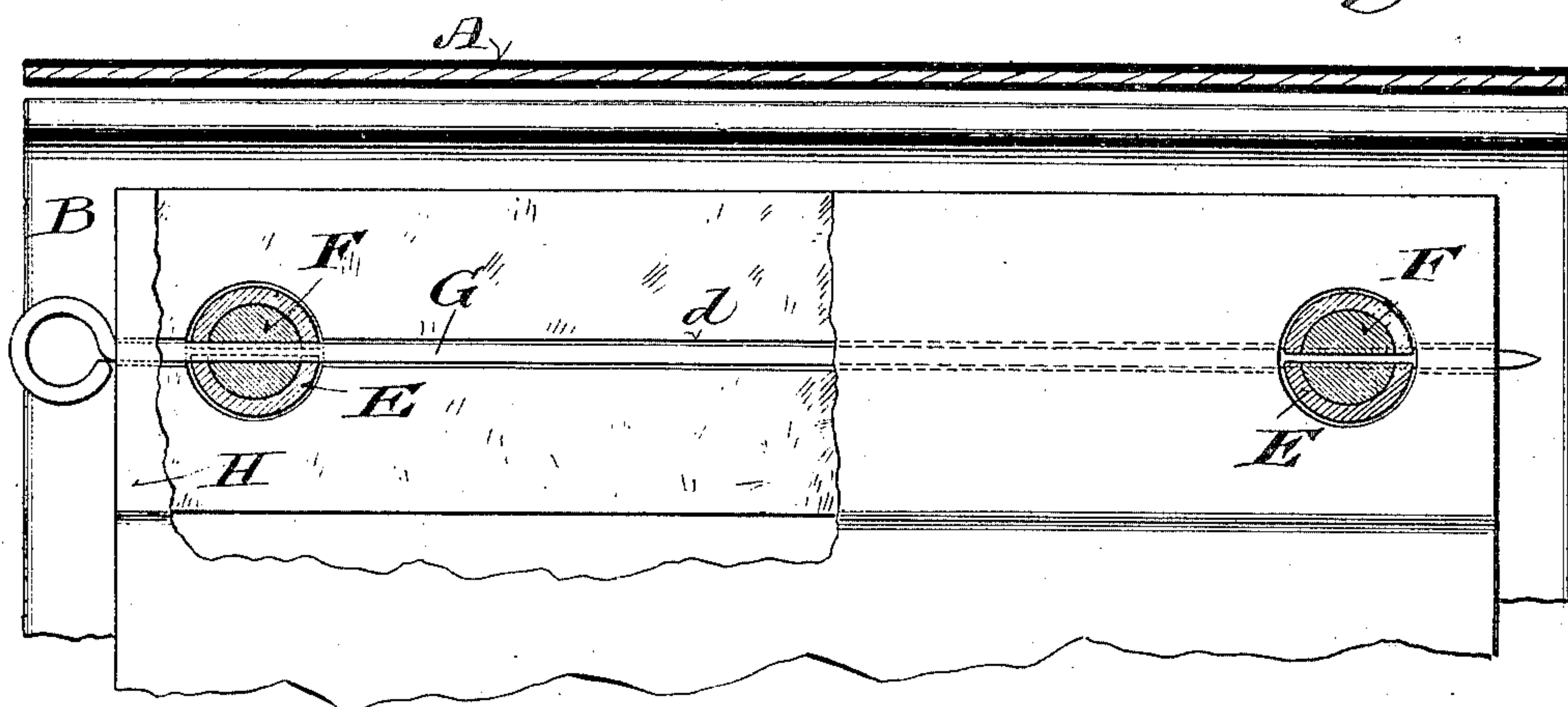
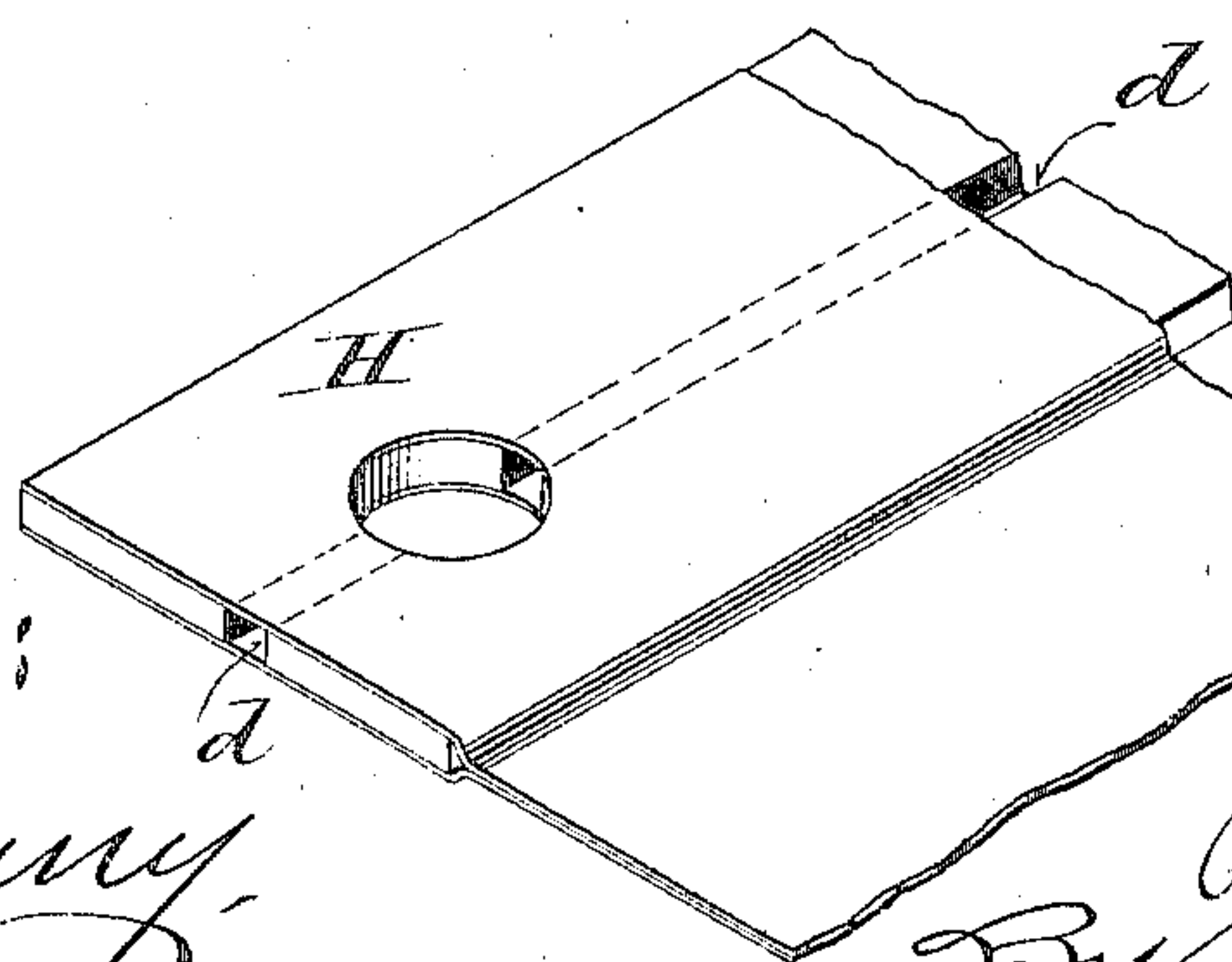


Fig. 3.



Witnesses:
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JAMES E. WOODWORTH, OF MILWAUKEE, WISCONSIN; HATTIE B. WOODWORTH ADMINISTRATRIX OF SAID JAMES E. WOODWORTH, DECEASED.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 604,817, dated May 31, 1898.

Application filed December 2, 1895. Serial No. 570,732. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. WOODWORTH, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to temporary binders of that class in which clamping-strips or cover-sections are adjustably united; and it consists in certain peculiarities of construction and combination of parts constituting the union, whereby the cost of production is cheapened and said binders rendered more convenient, said invention being hereinafter specified with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 represents a longitudinal section of a portion of a temporary binder embodying my improvements; Fig. 2, a plan view, partly in horizontal section, on the plane indicated by line 2 2 in the preceding figure; and Fig. 3, a perspective view of a portion of a peculiar stub embodied in the binder as herein shown.

Referring by letter to the drawings, A B represent clamping-strips, each of which is preferably of approximately right-angle contour, the rear of one overlapping the rear of the other to thus obtain a stiff back for the binder. As herein shown, cover-sections CD may have flexible joints *b c* with the clamping-strips.

The clamping-strip A is provided with hollow posts E of such number and interval apart from each other as may be found necessary or desirable, and the clamping-strip B is provided with a like number of similarly-arranged stems F, that loosely engage the posts.

The posts and stems are herein shown as individually provided with a longitudinal series of transverse apertures at such intervals as may be found most practical or desirable; but it is to be understood that my invention comprehends omitting all but a single one of said apertures from each post or its engaging stem, although this construction would lessen the possible limits of adjustment between said clamping-strips. The posts and stems being provided with transverse apertures they are held in adjustment longitudinally of each

other by one or more pins engaging registering apertures. As herein shown, a single straight pin G may be run through registering apertures in all the posts and stems, but it may be found convenient to employ an angular pin and have the post and stem apertures at right angles to what is herein shown, or there may be a pin for each post and stem.

As a matter of convenience one of the leaf-stubs H in the binder may be provided with a channel *d* for the pin G herein shown, and it may also be channeled to suit an angular pin or a plurality of pins.

By having a like series of apertures in each post and its engaging stem the limit of possible longitudinal adjustment, one upon another, is double what it would be were there but a single aperture in either of said parts to be brought into register with any one of a series of apertures in the other.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A temporary binder embodying a clamping-strip provided with hollow transversely-apertured posts, another clamping-strip having unyielding inelastic transversely-apertured stems engaging the posts, and a pin engaging registering apertures in each of said posts and stems.

2. A temporary binder embodying a clamping-strip provided with hollow posts having longitudinal series of transverse apertures, another clamping-strip having unyielding inelastic transversely-apertured stems engaging the posts, and a pin engaging registering apertures in each of said posts and stems.

3. A temporary binder embodying a clamping-strip provided with hollow transversely-apertured posts, another clamping-strip having unyielding inelastic stems apertured transversely at intervals longitudinally thereof, and a pin engaging registering apertures in each of said posts and stems.

4. A temporary binder embodying a clamping-strip provided with hollow transversely-apertured posts, another clamping-strip having transversely-apertured stems engaging the posts, a channeled stub on the posts, and a pin engaging the stub and registering apertures in each of said posts and stems.

5. A temporary binder embodying a clamping-strip provided with hollow posts, another clamping-strip having stems engageable with said posts, one of each pair of said engageable parts being formed with a longitudinal series of transverse apertures therethrough, and the other of each pair of said engageable parts being formed with at least one such transverse aperture therethrough, and an independent removable pin adapted for engagement with the registering apertures of said pair of engageable parts.

6. A temporary binder embodying a clamping-strip provided with hollow transversely-apertured posts, another clamping-strip having transversely-apertured stems engaging said posts, and an independent removable pin engaging registering apertures in each of said posts and stems.

7. A temporary binder embodying a clamping-strip provided with hollow posts having

longitudinal series of transverse apertures, another clamping-strip having transversely-apertured stems engaging said posts, and an independent removable pin engaging registering apertures in each of said posts and stems.

8. A temporary binder embodying a clamping-strip provided with hollow transversely-apertured posts, another clamping-strip having stems apertured transversely at intervals longitudinally thereof, and an independent removable pin engaging registering apertures in each of said posts and stems.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

J. E. WOODWORTH.

Witnesses:

N. E. OLIPHANT,
B. C. ROLOFF.