

(No Model.)

E. B. MILLERT.
TEMPORARY BINDER.

No. 546,492.

Patented Sept. 17, 1895.

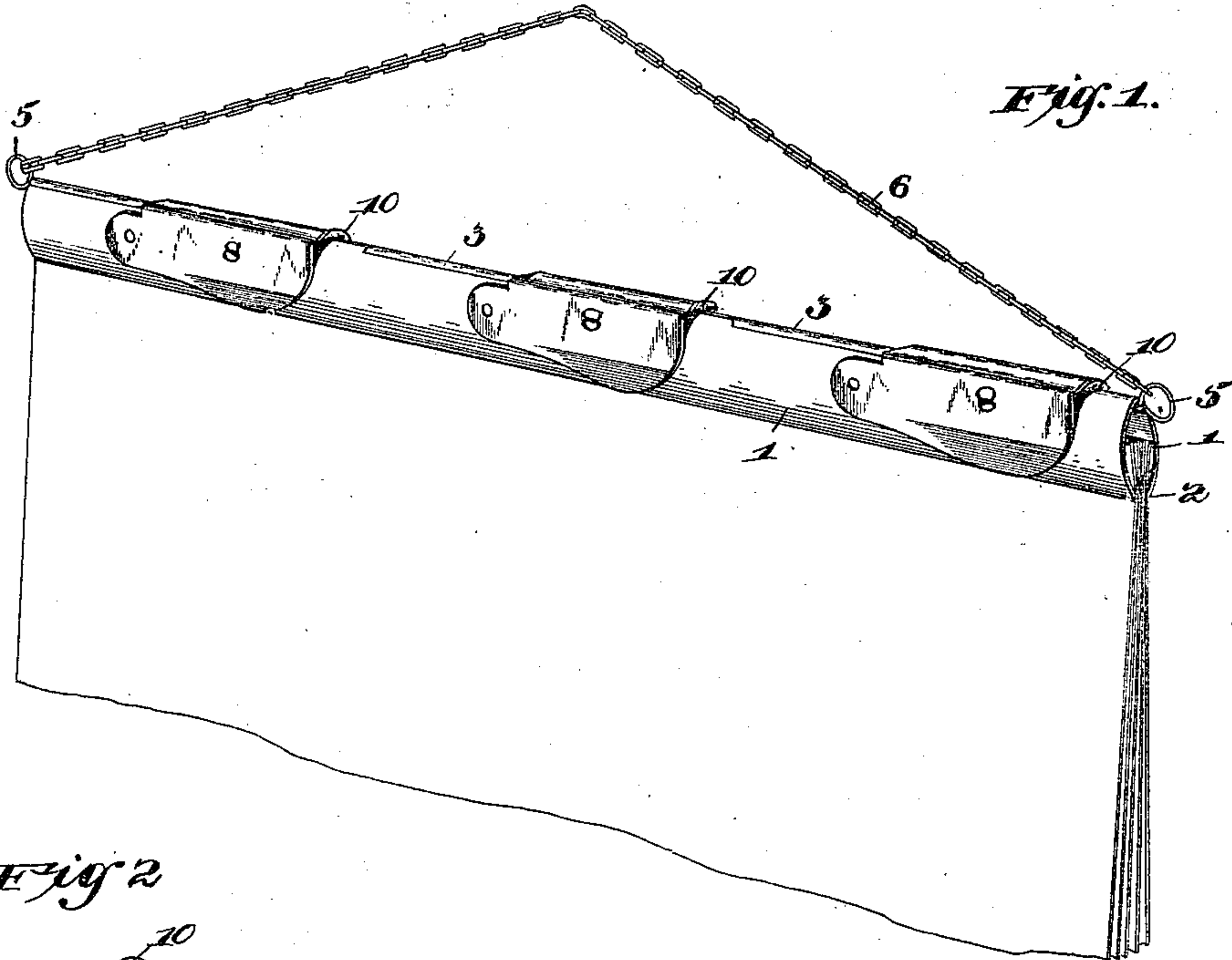


Fig. 2.

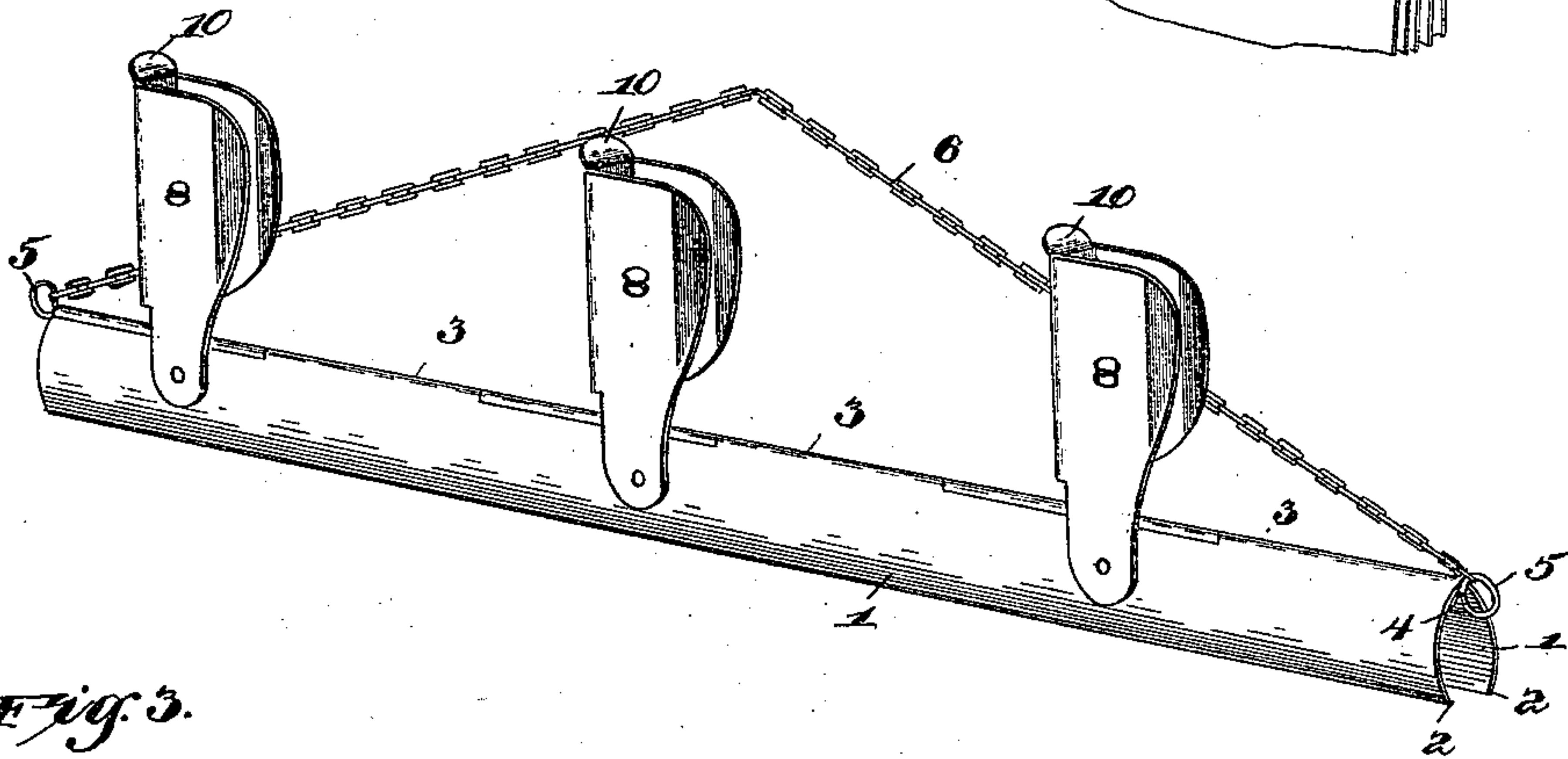


Fig. 3.

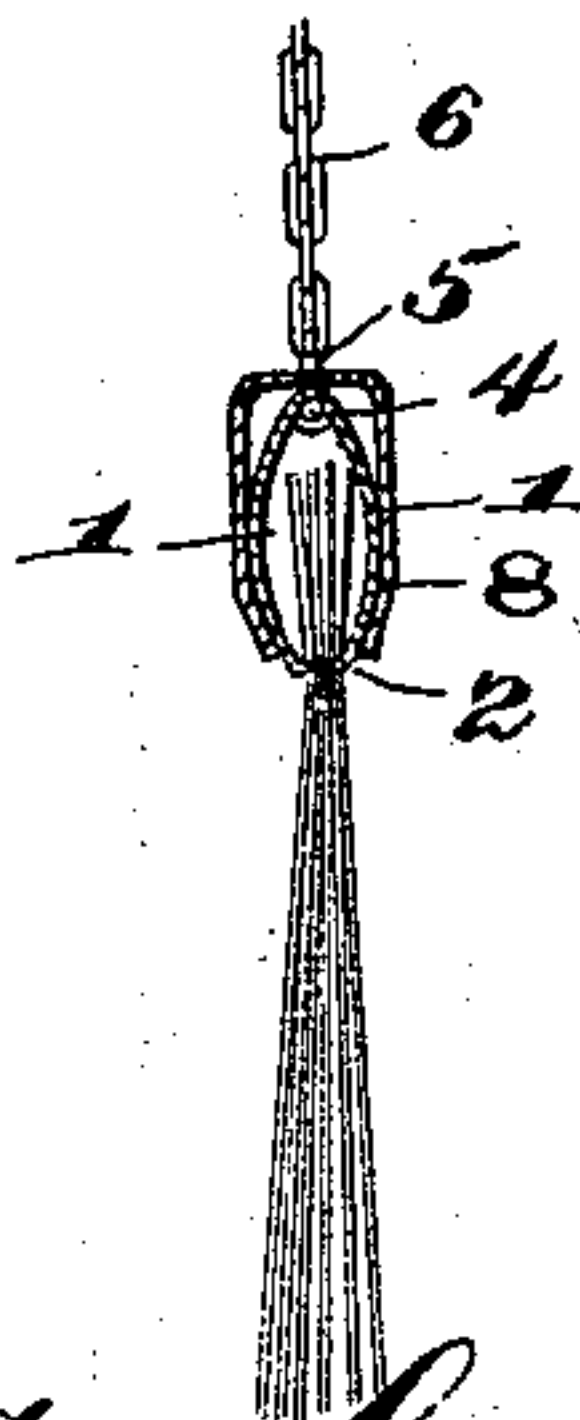
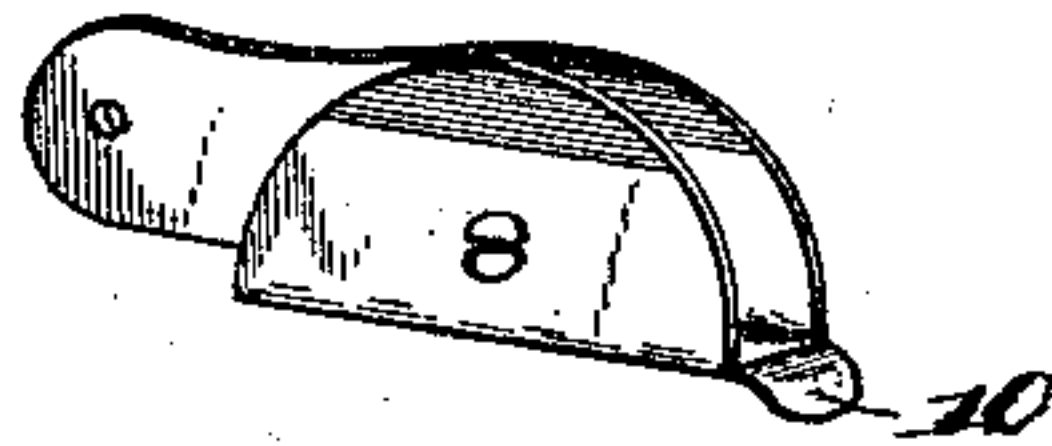


Fig. 4.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

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TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 546,492, dated September 17, 1895.

Application filed May 24, 1894. Serial No. 612,361. (No model.)

To all whom it may concern:

Be it known that I, EDGAR B. MILLERT, a citizen of the United States, residing at Walla Walla, in the county of Walla Walla and State of Washington, have invented a new and useful Temporary Binder, of which the following is a specification.

My invention relates to improvements in temporary binders, the objects in view being the production of a binder that may be employed for the purpose of temporarily binding together pamphlets, books, newspapers, &c., which may be applied with expedition or removed similarly, and which when in position will effectually and securely clamp said books, newspapers, pamphlets, &c., in such manner as to prevent their removal without opening the binder, and will also afford a means of support or suspension, whereby the same may be readily accessible for perusal.

With these and other objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective view of a binder constructed in accordance with my invention, the same being applied to a series of newspapers or sheets and suspended in position. Fig. 2 is a detail in perspective of the binder, the newspapers removed and the binder shown as open. Fig. 3 is a transverse sectional view of the binder. Fig. 4 is a detail in perspective of one of the pivoted fasteners.

Like numerals of reference indicate like parts in all the figures of the drawings.

In the practice of my invention I employ a pair of spring-metal leaves 1, the same being of such length as will adapt them for the purpose in view—as, for instance, if for newspapers, agreeing in length substantially with them. The leaves 1 are concavo-convex in cross-section, so that they produce at their outer meeting edges clamping-edges 2. Their inner edges are provided with members 3 of a hinged joint, or, in other words, with alternately-arranged eyes, and through the series is passed a pintle-rod 4, the said rod having its ends projecting beyond the leaves and bent to form eyes 5, which prevent the withdrawal of the rod from the eyes, and hence

the spring of the leaves. These eyes 5 are connected to the terminals of a suspension-chain 6, which is longer than the leaves and is adapted to be supported by a nail or any other suitable support—as, for instance, a paper rack, &c.

To one of the leaves there is pivoted by a series of pivot-pins a series of clamps 8. These clamps are formed of spring metal and are U-shaped in cross-section, one side being extended to receive the pivot before mentioned. The terminals of the clamp have their opposite edges slightly inwardly bent or flanged, and are therefore designed to be tightly sprung over the smooth convexed surfaces of the leaves, and when in position grip the same securely, clamping or compressing them against the opposite sides of the body of paper contained therein between, and the inwardly bent or flanged free terminal edges of said clamps 8 are adapted to tightly bind against the outer sides of the leaves 1, directly adjacent to the free clamping-edges 2 thereof, in order to hold the clamp 8 tightly locked on the leaves and to prevent either the opening of the leaves or the accidental loosening of the said clamps. The corresponding ends of the clamps are extended and upturned to form a finger-plate 10, under which the operator may insert his finger-nail or any suitable device for the purpose of prying or raising the clamp out of its clamping position, and thus releasing the leaves.

By reason of making the clamps 8 of spring metal it will be obvious that the said clamps will yield, together with the leaves 1, to accommodate the binder to the thickness of the article or articles that are clamped by the binder, while at the same time the said clamps will retain a spring-grip on the leaves that will hold the same tightly closed, and the hinge connection for the leaves is prevented from weakening by reason of the fact that the said clamps are designed to embrace the hinged edges of the leaves.

From the foregoing description, in connection with the accompanying drawings, it will be seen that in order to operate the device the clamps are all swung out or from their clamping positions and the leaves separated or swung apart to receive the edges of

the pamphlets, newspapers, books, &c., after which the leaves are swung together to embrace the body of paper and the clamps compressed into position, whereby the device is
5 securely connected with the body of paper and the latter held intact.

The device is very simple and may be constructed of any suitable metal and nicked or otherwise finished.

10 Having described my invention, what I claim is—

In a temporary-binder, the combination of a pair of spring metal concavo-convex clamping leaves hinged together at one longitudinal
15 edge to form opposite longitudinal clamping edges, and a series of U-shaped spring metal clamps adapted to embrace or work over the hinged edges of said leaves, said U-shaped

spring metal clamps having one of their sides extended and permanently pivoted to the 20 outer side of one of the clamping leaves, and being further provided at one end with up-turned finger plates, and with inwardly bent or flanged terminal edges, which inwardly bent or flanged terminal edges of the clamps 25 are adapted to tightly compress against the outer sides of both leaves directly adjacent to the free clamping edges thereof, substantially as set forth.

In testimony that I claim the foregoing as 30 my own I have hereto affixed my signature in the presence of two witnesses.

EDGAR B. MILLERT.

Witnesses:

L. S. WILSON,
M. E. BAILEY.