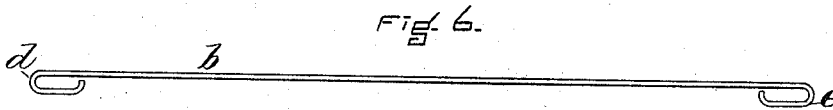
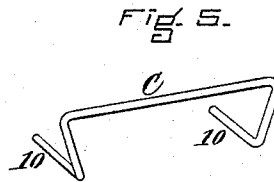
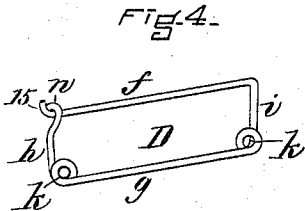
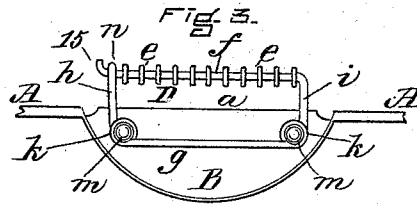
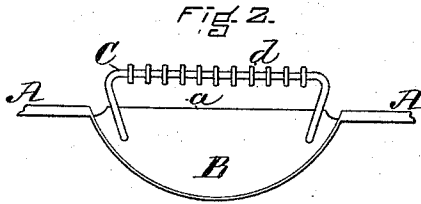
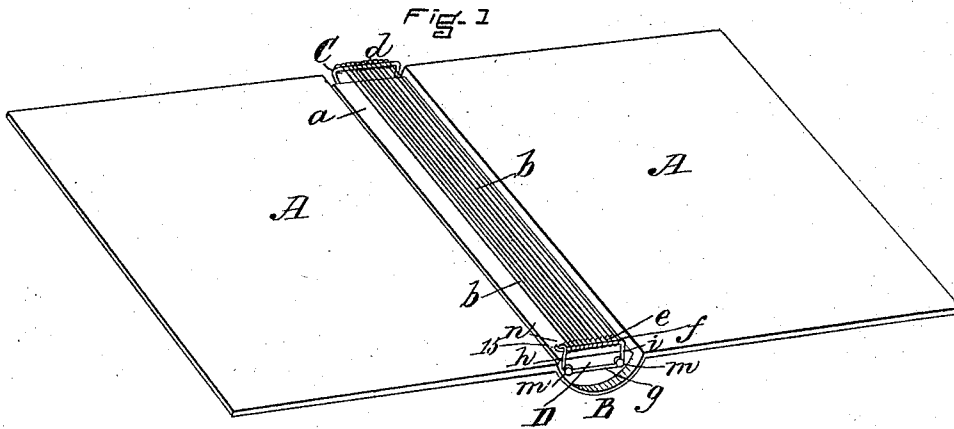


(No Model.)

E. MARBLE.
TEMPORARY BINDER.

No. 534,837.

Patented Feb. 26, 1895.



WITNESSES.

A. E. Humiston.

INVENTOR.

E. Marble
by J. W. Schenck
Att'y

UNITED STATES PATENT OFFICE.

EZRA MARBLE, OF WINCHESTER, MASSACHUSETTS.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 534,837, dated February 26, 1895.

Application filed January 11, 1895. Serial No. 534,556. (No model.)

To all whom it may concern:

Be it known that I, EZRA MARBLE, a citizen of the United States, residing at Winchester, in the county of Middlesex and State of Massachusetts, have 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, making part of this specification, in which—

Figure 1 is a perspective view of a temporary binder, embodying my invention. Fig. 2 is an elevation of one end of the back of the same. Fig. 3 is an elevation of the opposite end of the back. Fig. 4 is a perspective view of the file-rod holding and locking device shown in Fig. 3. Fig. 5 is a perspective view of the rod on which the file-rods are pivoted at one end of the back. Fig. 6 is a view of one of the file-rods.

My invention relates to that class of temporary binders having two covers connected by a back to which the papers are secured by means of longitudinal file-rods hinged or pivoted at one end to the back, and held in place at their opposite ends by a suitable holder or locking device. To simplify and improve the construction of binders of this description is the object of my invention, which consists in the combination with the covers, back, and file-rods pivoted at one end to said back, of a device for holding and locking the opposite ends of said file-rods, embodying certain novel features of construction as hereinafter fully set forth and specifically claimed.

In the said drawings A, A, represent the covers of the binder, and B the back, the covers being made of stiff material like the covers of a book, and being secured to the back by means of cloth or other suitable binding material. The back B, which is preferably composed of wood, is of convex form on the outer side, and has a plain flat surface *a*, on the inner side as shown in Fig. 1.

b represents the file-rods for holding the periodicals, pamphlets or other papers within the covers A, which completely inclose the same in the form of a book. These rods *b* are hinged or pivoted at one end by means of a transverse rod or wire C, passing through elongated loops or eyes *d*, Fig. 6, formed at

the ends of the said rods *b*, the ends of the rod C, being bent downward and inward toward each other as shown in Figs. 2 and 5, and then bent at a right angle to form portions 10, Fig. 5, which are driven into the end of the back B in such manner that the horizontal portion of the rod which passes through the eyes *d*, of the file-rods will be raised a little above the flat surface *a*, of the back, as shown in Fig. 2, in order to afford ample space for the doubled portions or folds of the papers held by the file-rods *b*. The free ends of the file-rods are provided with elongated eyes or loops *e*, Fig. 6, which, after the papers have been placed upon the file-rods, are slipped over the free end of a transverse spring-rod *f*, forming the upper horizontal portion of the file-rod holding and locking device D. This device is composed of a single piece of spring wire bent over upon itself to form two substantially parallel, horizontal members *f*, *g*, and two vertical end members *h*, *i*; eyes *k*, being formed at the two lower corners in the operation of bending the wire, through which eyes pass the headed pins or screws *m*, by which the device is secured to the end of the back B, as shown in Figs. 1 and 3. At the upper end of the vertical member *h*, is formed a hook *n*, under which the free end of the spring-rod *f* is caught after the eyes *e*, of the file-rods have been slipped thereover as shown, the resiliency of the rod *f*, keeping it securely locked in engagement with the said hook. The free end of the rod *f* is turned up to form a hook or guard 15, as shown, which engages the hook *n*, and prevents the rod *f*, from being drawn out lengthwise and disengaged from the hook *n*, by any strain of the file-rods upon the rod *f*, in an upward direction tending to shorten the same by curving it in the direction of its length.

When a paper or pamphlet is to be removed from the binder or inserted therein, it is merely necessary to disengage the end 15 of the rod *f*, from the hook *n*, by pressing down said rod *f*, and moving it slightly toward the opposite end of the back, the latter movement being permitted by the elongation of the eyes *d*, and *e*, of the file-rods, which thus renders it easy to unhook the rod *f*, and also avoids the necessity of bending the file-rods as might otherwise be necessary. After the

rod *f* is disengaged from the hook *n* to unlock the file-rods, the latter can be slipped off the said rod *f*, and swung up on the pivot-rod *C*, when the papers or pamphlets can be inserted, and the free ends of the file-rods again replaced upon the rod *f*, and locked in position as before.

Any desired number of file-rods may be used, and it will be obvious that by means of my improved holding and locking device the papers can be inserted within or removed from the binder with great facility. Furthermore the binding mechanism is simple, strong and compact, not liable to get out of order, and can be furnished at a trifling expense.

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

1. In a temporary binder, the combination, with the covers and back, and the file-rods pivoted at one end to said back, of a holding and locking device for the opposite ends of said file-rods, composed of a single piece of wire having eyes *k*, for the reception of the fastening pins or screws whereby it is secured to the end of the back, said wire being bent over upon itself to form two substantially parallel members *f*, *g*, and two end members *h*, *i*, the former *h*, provided at its upper end with a hook *n*, and the upper member *f*, projecting above the level of the inner surface of the back and forming a spring-rod adapted

to pass through loops or eyes in the ends of the file-rods, and catch at its free end under the hook *n*, of the end-member *h*, all operating substantially as described.

2. A temporary binder comprising the covers and back, the file-rods *b*, pivoted at one end to said back upon a wire *C*, secured to and raised above the level of the same, said rods *b*, being provided at their free ends with eyes *e*, and the holding and locking device *D*, secured to one end of the back and composed of a single piece of spring wire bent over upon itself to form two substantially parallel horizontal members *f*, *g*, and two vertical end-members *h*, *i*, the former *h*, provided at its upper end with a hook *n*, for the reception of the free end of the rod *f*, and eyes *k*, for the fastening pins or screws; the member *f*, forming a spring rod adapted to pass through the eyes *e* of the file-rods, and the free end of said rod *f*, being adapted to catch under the hook *n*, and being turned up to form a hook or guard 15, all constructed to operate substantially as and for the purpose described.

Witness my hand this 8th day of January, A. D. 1895.

EZRA MARBLE.

In presence of—

P. E. TESCHEMACHER,
GEORGE A. YEO.