

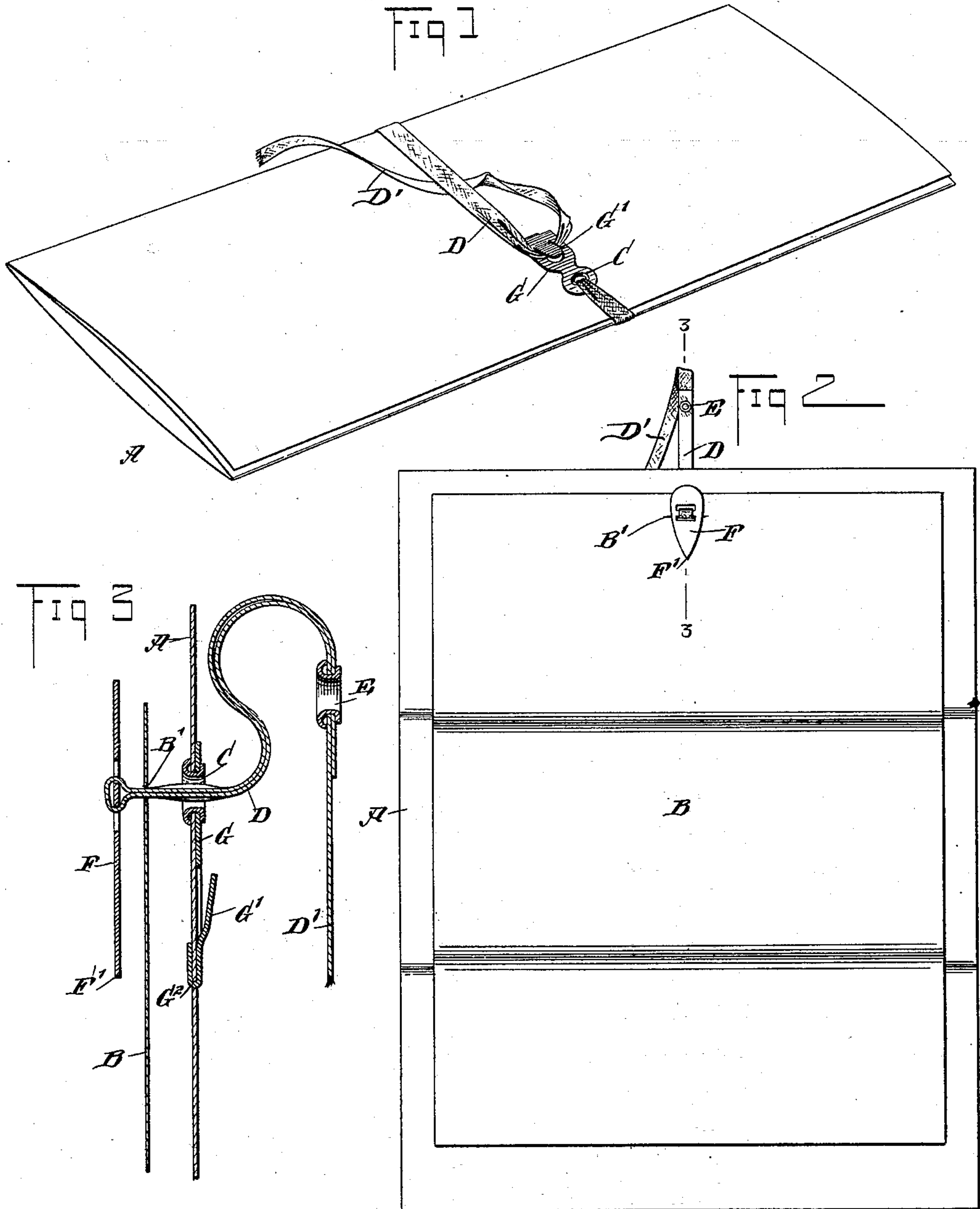
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Patented Nov. 21, 1899.

H. T. WISE.
BINDER.

(Application filed June 6, 1899.)

(No Model.)



WITNESSES:

W. H. H. H. H.
W. H. H. H. H.

INVENTOR

Henry T. Wise
BY *M. M. M.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY T. WISE, OF PHILADELPHIA, PENNSYLVANIA.

BINDER.

SPECIFICATION forming part of Letters Patent No. 637,689, dated November 21, 1899.

Application filed June 6, 1899. Serial No. 719,598. (No model.)

To all whom it may concern:

Be it known that I, HENRY T. WISE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Binder, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved binder which is simple and durable in construction and especially designed for binding papers in files, wrappers, envelopes, and like articles, the binder being easily manipulated to fasten the papers or documents in place in the file or wrapper, to permit of securely closing the file or wrapper or to open the same to gain access to the contents, and to permit of readily removing any one of the papers from the file or wrapper whenever desired.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of my invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement. Fig. 2 is a face view of the same with the file open, and Fig. 3 is an enlarged transverse section of the same on the line 3 3 in Fig. 2.

The file, wrapper, or other device A, on which the binder is to be used, is preferably made of stout paper, leather, or other material to permit of conveniently folding the same to inclose the papers B to be contained in the file or wrapper A, and near one end thereof is arranged an eyelet C, in which is free to slide one end of a cord, band, or string D, on which the papers B to be inclosed in the file or wrapper are strung, as hereinafter more fully explained.

On the string D is secured or formed a projection, preferably in the form of an eyelet E, for abutting against the rear face of the eyelet C to prevent the string from being drawn through the eyelet in a forward direction, and the forward end of said string is connected with a piercing and binding plate F to prevent the end of the string from being drawn through the eyelet C in a rearward di-

rection. The piercing and binding plate F is formed with a point F' to enable the operator to pierce the paper B, so as to form a slot B', through which is passed the piercing-plate F to draw the paper B upon the string next to the inner face of the file or wrapper A.

In order to conveniently attach the piercing or binding plate to the string, I prefer to double up one end of the string or band D and engage this doubled-up end with a bar between adjacent openings in the piercing-plate, as will be readily understood, the doubled-up parts of the string or band D being a distance remote from the extreme end D' of the string or band. This doubled-up and consequently reinforced portion of the string secures the papers and is not liable to be easily broken when in use.

In order to conveniently pass the piercing-plate F through the slot it forms, it is extended in alinement with the string, and when the paper B has been strung on the string D then the operator pulls on the rear end of the string D and extends the plate F at a right angle to the string, so as to rest flat on the front face of the paper B, as plainly indicated in Fig. 2. By this arrangement the piercing and binding plate F serves to string the paper B on the string D and then bind the paper B upon the inner face of the file or wrapper. When the paper B has thus been placed in position, it is folded with the file or wrapper A, and then the string is passed from the rear of the file or wrapper over the front end thereof and back to the rear, to be then drawn upon a spring-tongue G', formed on a plate G, secured to the back of the file or wrapper A, preferably by the eyelet C, as is plainly shown in Figs. 1 and 3. Thus the end of the string is passed around the folded file or wrapper, so as to securely close the same.

From the foregoing it is evident that the contents of the file or wrapper are strung on the string inside of the wrapper and securely bound in place thereon by the plate F, and the wrapper is securely held in a wrapped and closed position by the string passing around the wrapper or file, the end being secured to the tongue G'.

As shown in Fig. 3, one end G² of the plate G is extended through the material of the

wrapper and clenched at the front face thereof to securely hold the plate in position, with the tongue G' adjacent to the eyelet C.

Having thus fully described my invention,
5 I claim as new and desire to secure by Letters Patent—

1. A binder, adapted to be used in connection with a sheet or wrapper, the binder comprising a plate, the plate having one end projected through the wrapper and clenched thereon, and the plate having a spring-tongue formed thereon, an eyelet passing through the plate and wrapper to secure the plate, a band or string passed through the eyelet, a piercing
10 and binding plate secured to one end of the string, and means secured to the string at the side of the wrapper opposite the piercing and binding plate, such means preventing the passage of the string through the eyelet
15 of the plate, the free portion of the string being adapted to be engaged with the tongue on the plate.

2. A binder adapted to be applied to a sheet or wrapper, the binder comprising a plate
25 fastened permanently to the sheet or wrapper and having a spring-tongue formed thereon, a string passed through and movable in an orifice in the plate, such orifice being re-

moved from the spring-tongue and having closed walls which permanently confine the string, a piercing and binding plate attached to one end of the string, and means attached to the string at the side of the binder opposite the piercing and binding plate, such means limiting the sliding of the string through the first-named plate and the free portion of the string serving to engage with the tongue on the first-named plate.

3. A binder, comprising a plate formed with a spring-tongue thereon and also having an opening with closed walls therein the opening being removed from the spring-tongue, a string passed through the opening in the plate and permanently yet movably held therein, a piercing and binding plate attached to one end of the string, and means on the string at the side of the first-named plate opposite the piercing and binding plate, such means serving to limit the movement of the string through the plate, the free end of the string being adapted to engage with the tongue on the first-named plate.

HENRY T. WISE.

Witnesses:

E. L. CROSS,

JAS. W. SULLIVAN.