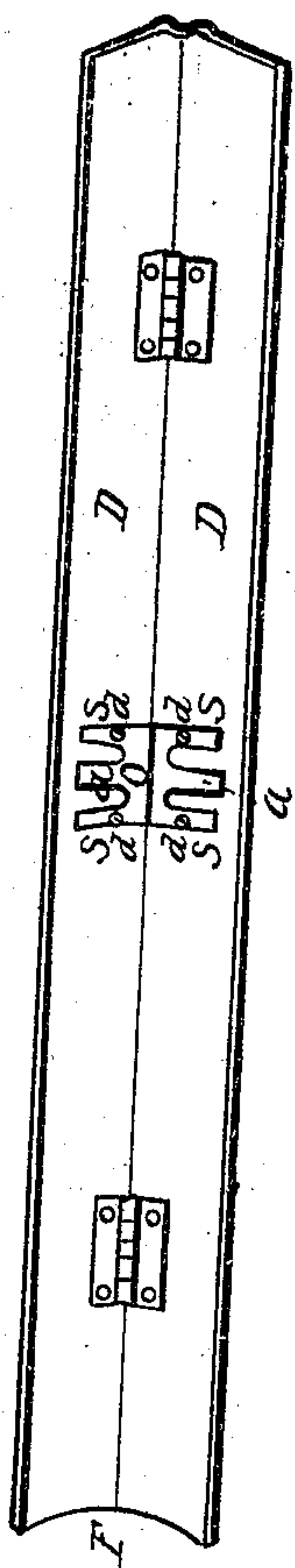
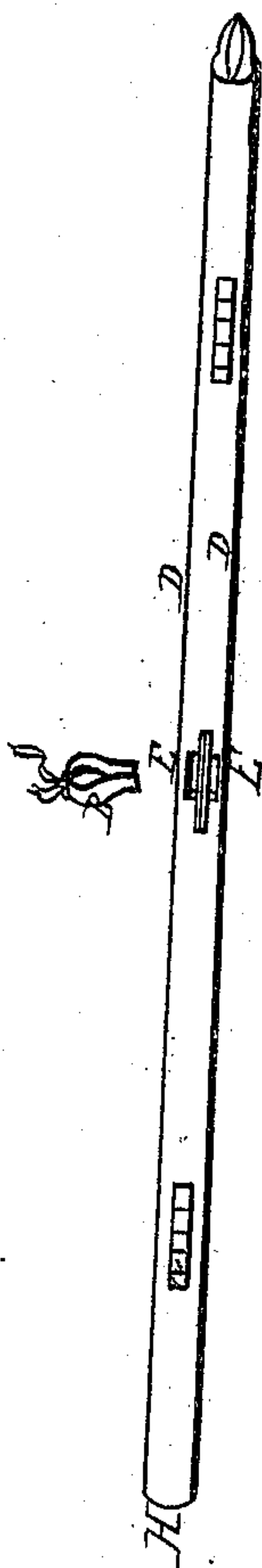
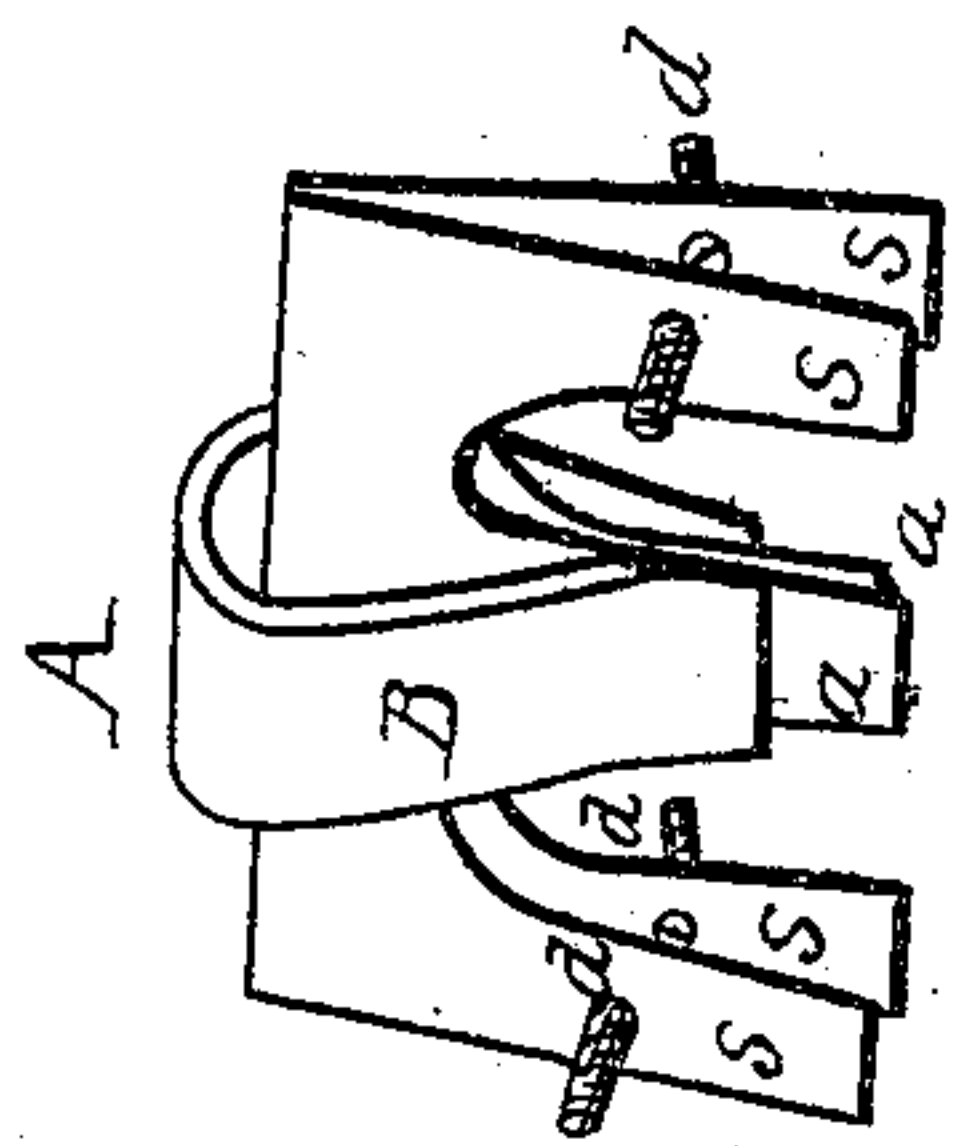


E. Ripley.
Temporary Binder
N^o 536. Patented Dec. 26, 1837.



UNITED STATES PATENT OFFICE.

EZRA RIPLEY, OF TROY, NEW YORK.

READY BINDER FOR BINDING NEWSPAPERS, SHEETS OF MUSIC, LETTERS, &c.

Specification of Letters Patent No. 536, dated December 26, 1837.

To all whom it may concern:

Be it known that I, EZRA RIPLEY, of the city of Troy, in the county of Rensselaer and State of New York, have invented a
5 new and useful Improvement in Instruments for the Purpose of Binding Newspapers, Sheets of Music, Letters, &c., which I call the "Ready Binder;" and I do hereby declare that the following is a full and exact
10 description of my invention.

My ready binder consists of a combination of three springs made of thin "spring steel;" two plate springs and one movable spring, which I call a truss spring. The
15 combination of said springs is represented in the drawings by the figure marked A. With these springs are combined two parallel pieces of wood, concave on the inner sides, marked D D, hinged or bound together on the back so as to be opened as a
20 book, corresponding in length to the papers intended to be bound, and from one to three inches in width and about half an inch thick. The truss spring is made of a thin
25 plate of steel, about half an inch in width, bent with an elliptic curve the ends approaching each other within about the eighth of an inch; its length from the ends to the center or apex of the curve, being
30 about three fourths of an inch. Said spring is marked B, in the drawings. The plate springs are also made of thin plates of steel being an inch in width and an inch and a half in length; into which are cut two apertures, forming two right angles and a
35 tongue about three fourths of an inch in length. Said plates are marked S S, in the drawings. The tongues marked s s are the springs upon which the truss spring presses

in their combination. The plate springs are
40 attached by means of screws marked d, d, passing through the angles of the plates, to the inside of the parallel pieces of wood opposite each other, extending transversely from the back. Their position when so at-
45 tached is marked, O. The truss spring is inserted, through apertures, into the back of the parallel pieces of wood when closed. Sliding over and pressing upon the tongues of the plate springs. The apertures through
50 which the truss spring is inserted are marked E, E. An expanded view of the ready binder with the plate springs attached is represented in the drawings by the figure marked F and a back view of said
55 ready binder with the apertures for the insertion of the truss spring is represented by the figure marked H. The truss spring is also represented detached from the combination with cord or rope attached, as used in
60 the binder, and is marked B.

I name my improved instrument the ready binder.

Metal may be substituted for the parallel pieces of wood, but when they are made of
65 wood they can be bound in the style of books from the back of a portfolio, or only painted or varnished.

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

The aforesaid combination of the plate springs and the truss spring, and their combination with the two parallel pieces of wood, in the manner above described.

EZRA RIPLEY.

Witnesses:

A. THOMAS,

GEORGE I. BLOOMENDALE.