(No Model.)

L. H. CLARK.

TEMPORARY BINDER.

No. 570,541. Patented Nov. 3, 1896.

Fig. 1.

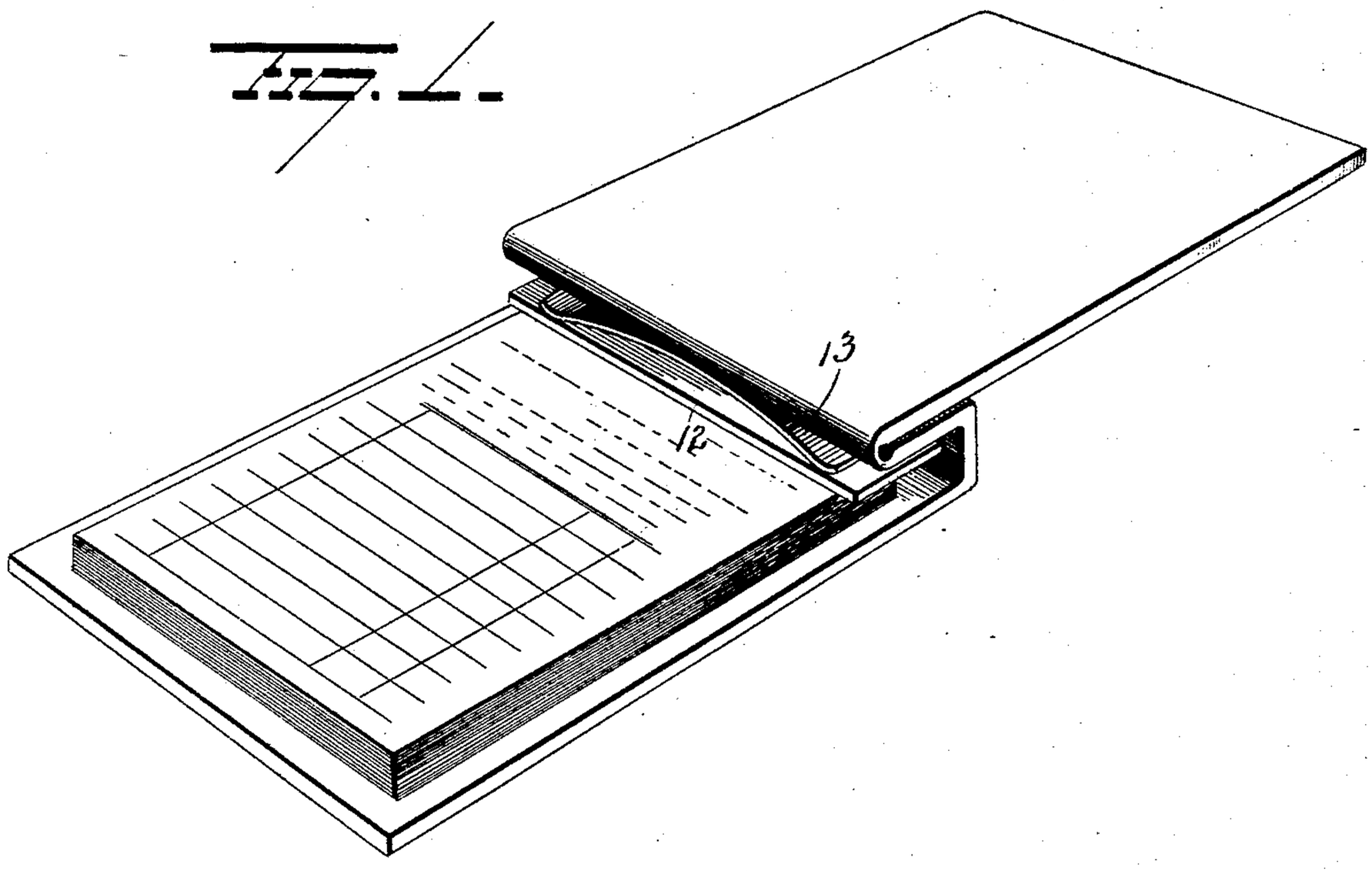

Fig. 2.

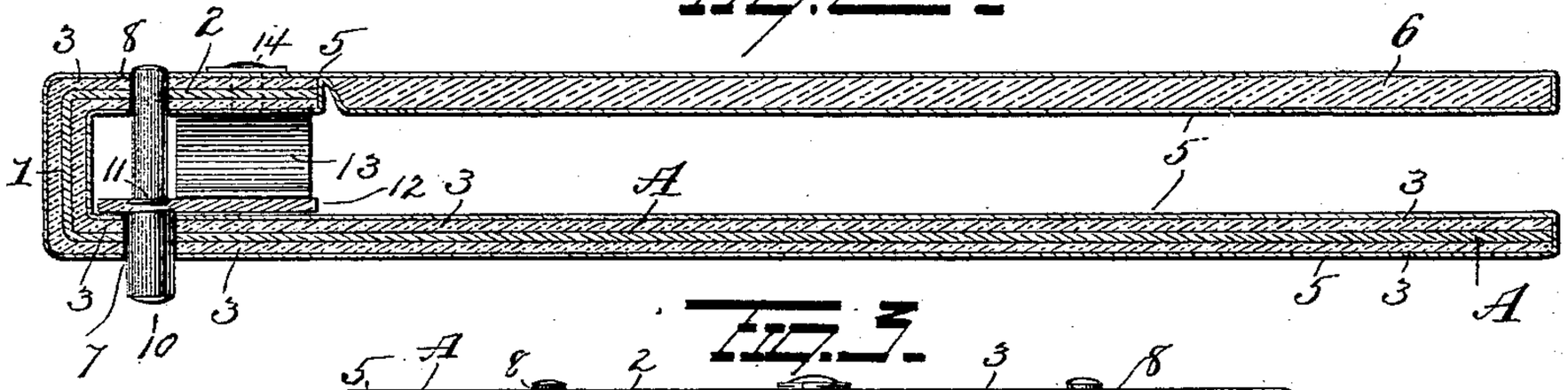

Fig. 3.

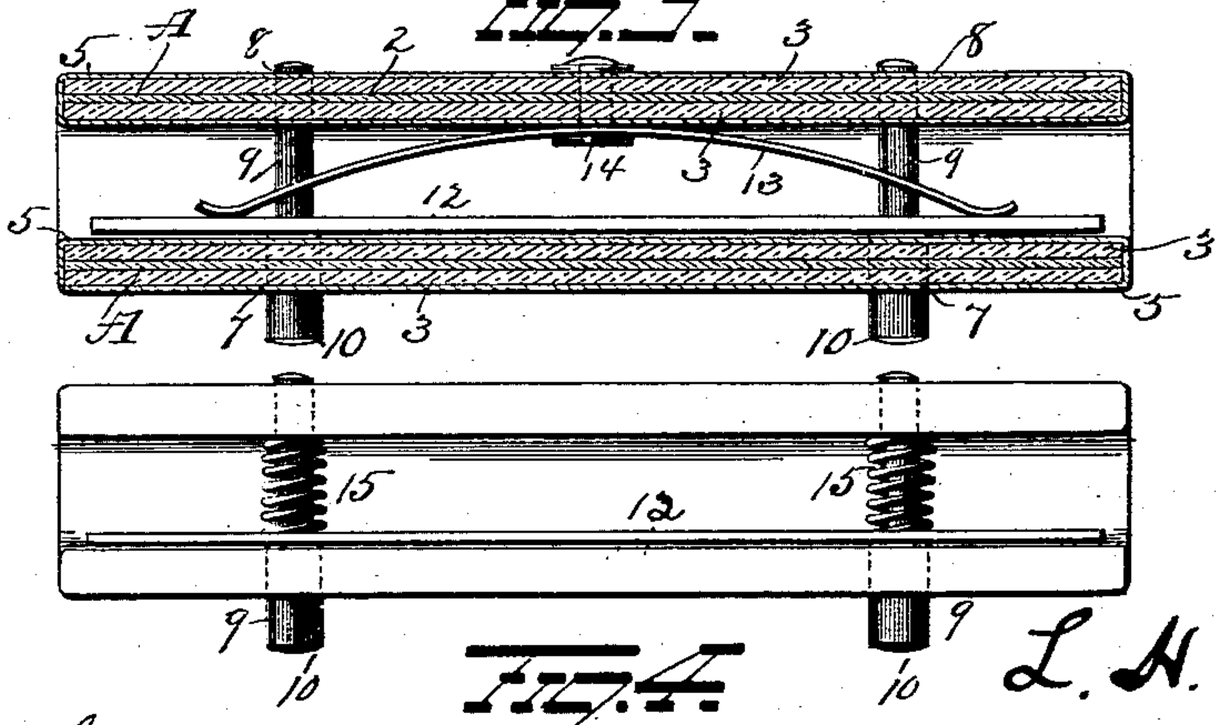

Fig. 4.

Witnesses
E. J. Nottingham
G. F. Downing

Inventor
L. H. Clark
By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

LOUIE H. CLARK, OF FOND DU LAC, WISCONSIN.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 570,541, dated November 3, 1896.

Application filed January 6, 1896. Serial No. 574,471. (No model.)

To all whom it may concern:

Be it known that I, LOUIE H. CLARK, a resident of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in temporary binders, and more particularly to such as are adapted to hold railroad shipping-bills, invoices, freight-receipts, or other papers which it may be desired to temporarily bind together, the object of the invention being to produce a temporary binder of the class mentioned which shall be substantial in construction, comparatively cheap to manufacture, durable, by means of which the sheets of paper can be readily fixed therein or easily removed therefrom, and which shall be effectual in all respects in the performance of its functions.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements. Fig. 2 is a longitudinal sectional view. Fig. 3 is a cross-section. Fig. 4 is a view in end elevation of a modified form.

A represents a metallic base-plate bent at one end in the form of an angular hook, the latter comprising an upturned flange 1 and a forwardly-projecting flange 2, disposed parallel with the base-plate A. Binders' board or similar material 3 is placed against each face of the base-plate A and also against the faces of the flanges 1 and 2. This board renders these parts of a suitable thickness and also serves as a base to which to glue a canvas covering 5. The canvas envelop also incloses and is glued to a cover 6, made entirely of binders' board or similar material, (the metal being omitted,) and said cover is hinged to the free edge of the forwardly-projecting flange 2 by means of the canvas envelop.

The metal base and its covering are made with holes 7, and similar holes 8 are made in the metal flange 2 and its covering, the holes 7 8 being in alinement with each other for the accommodation of pins 9. The holes 7 8 are of diameters sufficiently larger than the diameters of the pins, so as to permit a free movement of said pins through them, and the lower ends or heads 10 of said pins project a distance below the under face of the base-plate. The upper ends of the pins may also project a short distance above the upper face of the flange 2. The pins 9 are made between their ends with screw-threaded portions 11, which pass through threaded perforations in a clamping-plate 12, disposed parallel with the base, (or, more properly speaking, the covering thereon,) and when no papers are held by it said plate lies flat upon the covering on said base A. To the under face of the flange 2 a bow-spring 13 is secured centrally between its ends by means of a suitable rivet 14, and at its ends said spring bears on the clamping-plate 12 and clamps the latter firmly between itself and the base A. Any desired number of sheets of paper of any description can thus be firmly clamped in my improved binder without the necessity of perforating the paper, and any sheet of the series of sheets of paper can be readily withdrawn and reinserted without disturbing the other sheets.

When it is desired to insert or remove sheets of paper, it is simply necessary to place the device on a table or other support and press down (preferably with the left hand) on the hooked end of the base-plate, thus causing the pins 9 to move through the perforations 7 8 and raise the clamping-plate secured to said pins.

Other forms of springs than that above described might be employed, if desired. For instance, coiled springs 15, encircling the pins 9, may be used, as shown in Fig. 4. Various other slight changes in detail might also be resorted to without departing from the spirit of my invention or limiting its scope, and hence I do not wish to limit myself to the precise details of construction herein set forth; but,

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

1. In a temporary binder, the combination with a stiff base bent into hook shape at one end, of pins projecting loosely through said hook-shaped portion, the heads of said pins projecting beyond the under face of said base, and a spring-pressed clamping-plate secured to said pins, substantially as set forth.

2. In a temporary binder, the combination with a stiff base bent into hook shape at one end, said hook-shaped end having alined perforations, of pins passing freely through said perforations and beyond the same, said pins having screw-threaded portions intermediate of their ends, and a spring-pressed clamping-plate having screw-threaded perforations for the reception of the screw-threaded portions of said pins, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

LOUIE H. CLARK.

Witnesses:
M. T. SIMMONS,
H. O. LEWIS.