

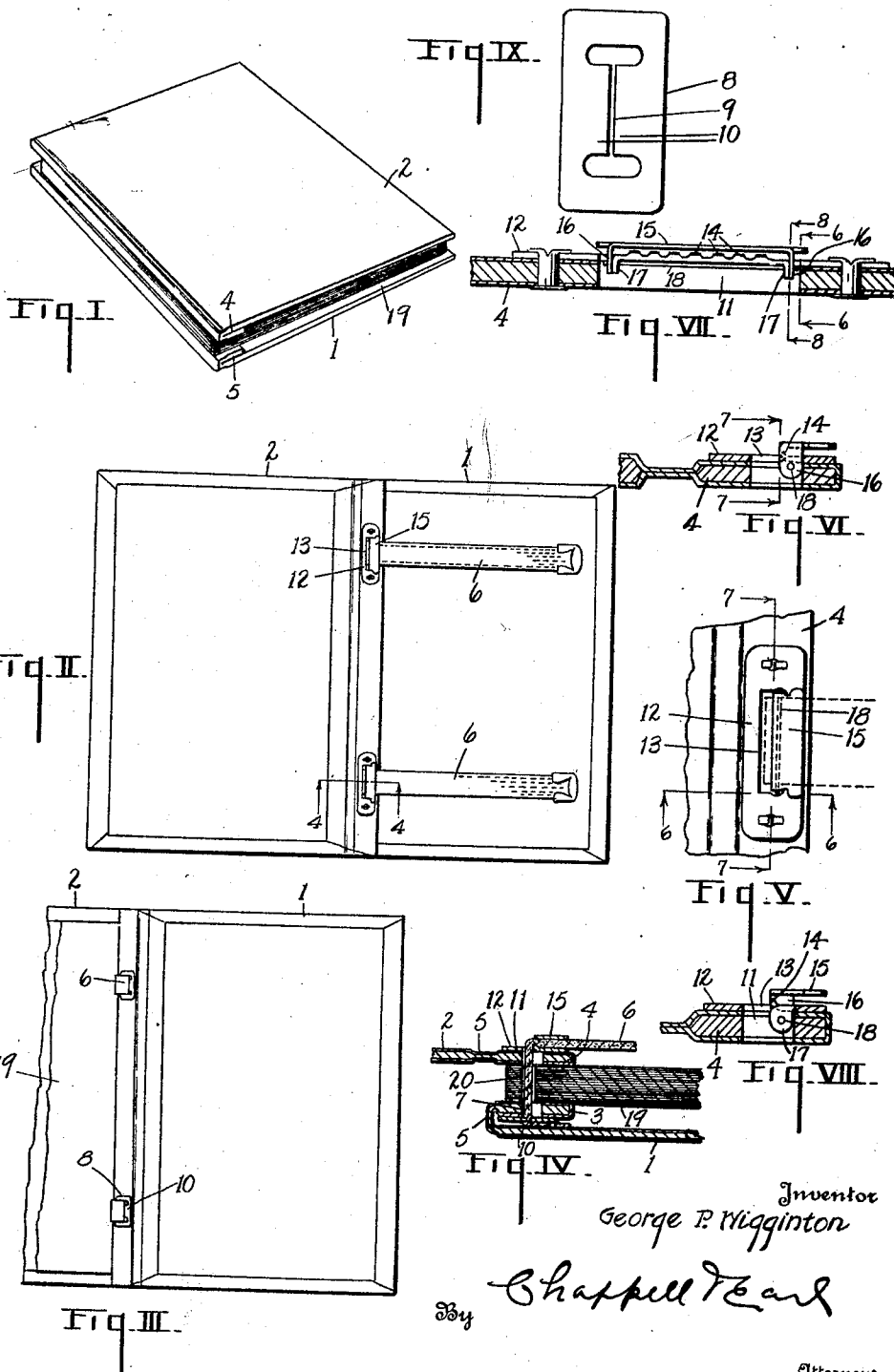
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G. P. WIGGINTON

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TEMPORARY BINDER

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Inventor
George P. Wigginton

Chappell & Earl

Attorneys

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UNITED STATES PATENT OFFICE.

GEORGE P. WIGGINTON, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO KALAMAZOO LOOSE
LEAF BINDER COMPANY, OF KALAMAZOO, MICHIGAN.

TEMPORARY BINDER.

Application filed April 11, 1925. Serial No. 22,287.

To all whom it may concern:

Be it known that I, GEORGE P. WIGGINTON, a citizen of the United States, residing at the city and county of Kalamazoo, State
5 of Michigan, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

This invention relates to improvements in temporary binders.

10 The main object of this invention is to provide an improved temporary binder which is well adapted for the binding of loose record sheets, catalog sheets and the like which is very simple and economical in
15 structure and quickly and easily manipulated to release or introduce the sheets.

Objects pertaining to details and economies of my invention will definitely appear from the detailed description to follow.

20 I accomplish the objects of my invention by the devices and means described in the following specification. The invention is to clearly defined and pointed out in the claims.

25 A structure embodying the features of my invention is clearly illustrated in the accompanying drawing forming a part of this application, in which:

Fig. I is a perspective view of a binder
30 embodying the features of my invention.

Fig. II is a plan view with the front cover open.

Fig. III is a fragmentary plan view with the sheets thrown forwardly upon the front
35 or top cover showing the manner of attaching the binding strips to the bottom binding bar.

Fig. IV is a detail vertical section on a line corresponding to line 4—4 of Fig. II.

40 Fig. V is a fragmentary plan view of the means for adjustably securing the binding strips.

Fig. VI is a fragmentary section on a line corresponding to line 6—6 of Figs. V and
45 VII showing details of the binding strip clamping or securing means.

Fig. VII is an enlarged detail section on a line corresponding to line 7—7 of Figs. V and VI.

50 Fig. VIII is a detail section on a line corresponding to line 8—8 of Fig. VII.

Fig. IX is a plan view of one of the anchor plates for connecting the binding strips to the bottom binding bar.

55 In the drawing the sectional views are

taken looking in the direction of the little arrows at the ends of the section lines and similar numerals of reference indicate similar parts throughout the several views.

Referring to the drawing, 1 and 2 represent the bottom and top covers respectively
60 of the binder and 3 and 4 the binding bars which are secured to the rear edges of the covers by the flexible hinges 5 so that the covers close over the binding bars when
65 the binder is closed.

The binding strips 6 are preferably formed of tape of suitable strength the bottom binding bars having slots therein through which the binding strips 6 are ar-
70 ranged and to which they are connected by the anchor plates 8. These anchor plates are formed of sheet metal stampings and have slots 9 therein through which the binding strips are arranged and secured by the
75 tongues 10, the plates being thus secured to the strips so that the strips may be arranged through the openings or slots of the plates on the outer side of the bar.

The top binding bar has openings 11
80 therein through which the binding strips are arranged and has mounted thereon clamping plates 12 with openings 13 therein registering with the openings 11. The front edges of the openings 13 are turned up-
85 wardly and serrated to provide upturned teeth 14. Clamping members 15 are provided with downwardly projecting pivot ears 16 embracing the downturned pivot
90 ears 17 on the clamping plates and pivoted thereto by the pin 18.

The ears 16 of the clamping plates are arranged so that when the clamping member pivoted thereon is swung forwardly to a position parallel to the clamping plate the
95 binding strip is clamped upon the teeth of the clamping plate and is securely held where clamped. It may be freed, however, by an upward pull on the binding strip which swings the clamping member on its
100 pivot freeing the binding strips so that they may be adjusted or removed as may be desired.

The sheets to be bound indicated at 19 have alined holes 20 therein to receive the
105 binding strips.

My improved temporary binder is very simple and economical in structure and is especially designed for binders of small
110 sizes and light weight. At the same time,

it is very effective in holding the binding strips in adjusted position.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a temporary binder, the combination with the covers, of binding bars hinged within said covers and having opposed slots therein, binding strips disposed through said slots, anchor plates on said binding strips disposed on the outer sides of said bottom binding bar, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with said slots thereof, the front edges of the openings of said clamping plates having upwardly directed teeth, said plates having downwardly projecting pivot ears disposed in said slots in said top binding bar, and clamping members having downwardly projecting pivot ears mounted on said pivot ears of said clamping plates so that said clamping members may be swung forwardly to an approximately parallel relation to said clamping plates clamping the binding strips upon said teeth, the rear edges of the clamping members when closed being in approximately the plane of the teeth.
2. In a temporary binder, the combination with the covers, of binding bars hinged within said covers and having opposed slots therein, binding strips disposed through said slots, anchor plates on said binding strips disposed on the outer sides of said bottom binding bar, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with said slots thereof, said plates having downwardly projecting pivot ears disposed in said slots in said top binding bar, and clamping members having downwardly projecting pivot ears mounted on said pivot ears of said clamping plates so that said clamping members may be swung to an approximately parallel relation to said clamping plates clamping the binding strips upon said teeth, the rear edges of the clamping members when closed being in approximately the plane of the teeth.
3. In a temporary binder, the combination with the covers, of binding bars hinged within said covers, the top binding bar having binding strip openings therein, binding strips disposed through said openings, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with the slots thereof, the front edges of the openings of said clamping plates having upwardly directed teeth, said plates having downwardly projecting pivot ears disposed in said slots in said top binding bar, and clamping members having downwardly projecting pivot ears mounted on said pivot ears of said clamping plates so that said clamping members may be swung forwardly to an approximately parallel relation to said clamping plates clamping the binding strips upon said teeth, the rear edges of the clamping members when closed being in approximately the plane of the teeth.

bers may be swung forwardly in an approximately parallel relation to said clamping plates clamping the binding strips upon said teeth, the rear edges of the clamping members being in approximately the plane of the teeth.

4. In a temporary binder, the combination with the covers, of binding bars hinged within said covers, the top binding bar having binding strip openings therein, binding strips disposed through said openings, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with the slots thereof, said plates having downwardly projecting pivot ears disposed in said slots in said top binding bar, and clamping members having downwardly projecting pivot ears mounted on said pivot ears of said clamping plates so that said clamping members may be swung forwardly in an approximately parallel relation to said clamping plates clamping the binding strips upon said teeth, the rear edges of the clamping members being in approximately the plane of the teeth.

5. In a temporary binder, the combination of top and bottom binding bars, the top binding bar having binding strip openings therein, binding strips connected to the bottom binding bar and disposed through said openings in said top binding bar, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with the openings of said top binding bar, the front edges of the openings of said clamping plates having upwardly directed teeth, said plates having downwardly projecting pivot ears disposed in said openings in said top binding bar, and clamping members having downwardly projecting pivot ears mounted on said pivot ears of said clamping plates so that said clamping members may be swung forwardly to clamp the binding strips upon said teeth.

6. In a temporary binder, the combination of top and bottom binding bars, the top binding bar having binding strip openings therein, binding strips connected to the bottom binding bar and disposed through said openings in said top binding bar, clamping plates mounted on the outer side of said top binding bar and having openings therein registering with the openings of said top binding bar, the front edges of the openings of said clamping plates having upwardly directed teeth, and clamping members pivotally mounted on said clamping plates so that said clamping members may be swung forwardly to clamp the binding strips upon said teeth.

In witness whereof I have hereunto set my hand.

GEORGE P. WIGGINTON