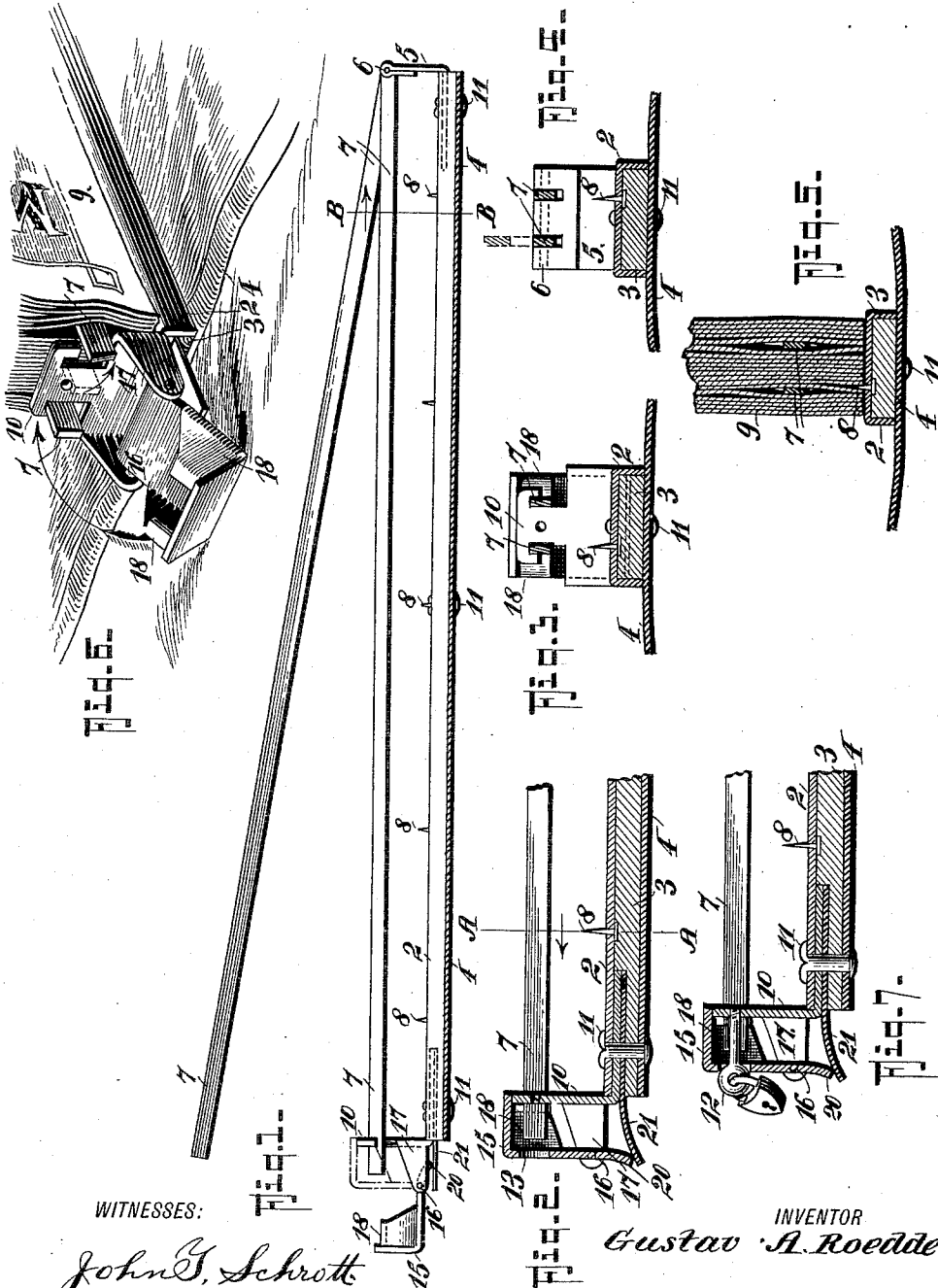


G. A. ROEDDE.
MAGAZINE BINDER.
APPLICATION FILED APR. 26, 1912.

1,051,453.

Patented Jan. 28, 1913.



WITNESSES:

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GUSTAV A. ROEDDE, OF VANCOUVER, BRITISH COLUMBIA, CANADA.

MAGAZINE-BINDER.

1,051,453.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUSTAV A. ROEDDE, citizen of the Dominion of Canada, residing at Vancouver, in the Province of British Columbia, Canada, have invented a new and useful Magazine-Binder, of which the following is a specification.

This invention relates to a magazine binder or a means for securing a magazine or the like within a removable cover and my improvement is directed to the provision of a simple and effective means for accomplishing this object, which shall be adaptable to variation in the thickness of the magazine.

The invention has other features of improvement facilitating the application of the cover to a magazine and its removal therefrom, and simplifying the cost of manufacture.

The invention is particularly described in the following specification, reference being made to the drawings by which it is accompanied, in which:

Figure 1 is a side elevation through the magazine securing part showing the clasp as open for the release of the magazine securing bars. Fig. 2 is a longitudinal section of the bar securing end of the binder. Fig. 3 is a section at A in Fig. 2 looking in the direction of the arrow. Fig. 4 is a section at B in Fig. 1 looking in the direction of the arrow, and Fig. 5 is a cross section showing the manner in which a magazine is held in the back of the binder. Fig. 6 is a detail perspective view of a portion of the binder in use. Fig. 7 is a detail view similar to Fig. 2 showing a means for locking the binder.

The binder comprises a back portion 2 of thin sheet metal bent to a channel cross section and having a number of small sharp pointed pins 8 projecting from it to engage the back of the magazine 9 and to retain it laterally in position. The depth of the channel 2 is filled in with a backing 3 of wood or the like to impart the required rigidity to it and to fill it to the required thickness to support the leather cover 4. To one end of this back portion 2 is secured the hinge member 5 which is bent upward at right

angles to it and folded over the hinge pin 6 which holds the leaf engaging bars 7. At the other end of the back portion 2 is secured a similar upwardly projecting portion 10 which is T shaped in end view, as shown in Fig. 3, and is notched from the outer sides toward the center under the horizontal projections of the T to receive and retain the free ends of the leaf engaging bars 7. The hinge portion 5 and the leaf bar retaining portion 10 at the other end may be integral with the back portion 2 but they are preferably made separate, as shown in the drawings. These parts may, in this way, be readily applied to any length of channel back. They fit exactly the width of the channel and are secured to it by a split rivet 11, which rivet may also pass through the leather of the cover 4 and the wood filling 3 and thus secure also the cover to the binder. The back of the magazine 9, see Fig. 5, may thus be pressed upon the pins 8 projecting from the back member 2 and the bars 7 are passed between the leaves of the magazine and are snapped into the notches of the securing end 10, and by these bars the magazine 9 will be retained within the cover until released.

To hold the bars 7 in position in the notches of 10 a clasp member 15 is pivoted at 16 between ears 17 folded back from the member 10. This clasp member is bent around over the top and is bent around each side and turned inward, as at 19, to engage the ends of the bars 7 and prevent lateral displacement when the clasp is closed. The clasp member 15 is produced below the pivot 16 and is bent somewhat outward, as at 20, to bear against a spring 21, which is secured by the rivet 11 of that end to the back member 2 so that this spring will tend to hold the clasp in either the closed or the open position. Where it is considered necessary to lock the binder on the magazine, a small screw eye, 12 see Figs. 2 and 3, may be secured to the member 10 and an aperture 13 provided in the clasp member 15 through which the eye will project, and a small padlock may be passed through the eye, when required.

The provision of the engaging projections 8 along the back member 2 preventing lateral displacement of the magazine without the use of upwardly projecting edges, forms an essential feature of this invention. There is also the fact that the flexible resilient leaf engaging bars 7 are secured in the notches of the member 10 from the outside, which facilitates considerably the application and removal of the cover to and from a magazine; and as a means for securing the ends of these bars in the notches of 10 the hinge clasp 15 is effective, as it incloses them and forms a neat finish.

15 The manner of attaching the hinge ends 5 and the securing end 10 by means of engagement in the width of the channel and the use of the split rivet enables these binders to be readily made to suit any required length of 20 magazine and forms a convenient means of securing the binder to the cover 4. It will be noticed by reference to the drawing that the back member 2 has holes at intervals beneath the leaf bars through which the tacks 25 or pins 8 are passed and held with their heads located between the U-shaped strip or back member 2 and the filler strip 3 with the points of the pins or tacks directed upwardly toward the leaf bars.

30 Having now particularly described my invention and the manner of its use, I hereby declare that what I claim as new and desire to be protected in by Letters Patent, is:

35 1. In a binder, a rigid back member, comprising a U-shaped strip and a filler strip therein, leaf engaging bars hinged and secured to said back member, said back member having holes beneath said leaf bars, and 40 tacks held in said holes with their heads located between said U-shaped strip and said filler strip and with their points directed toward said leaf bars.

2. In a binder of the class described, the 45 combination with a rigid back member having flexible resilient bars hinged at one end at a height above the back, means for holding the free ends of said bars, said means comprising a T shaped member upwardly 50 projecting from the end of the back member opposite to the hinge and having notches accessible from the outer sides of the T and a clasp to close over said T-shaped member and the adjacent ends of 55 said bars.

3. A binder of the class described, comprising in combination, a back member of thin sheet metal flanged to form a channel which channel is reinforced with a filling 60 of wood or the like between the flanges, a hinge member fitting between the flanges of the channel and upwardly projecting from it, leaf engaging bars pivotally connected to the hinge member, a securing means for

the free ends of these bars secured to the 65 other end of the channel member, said securing means comprising a T member upwardly projecting from the channel member and having notches in the sides of it for the reception of the ends of the bars 70 and a clasp hinged to this T member and bent over and around the sides of the ends to retain the bars in the notches.

4. A binder of the class described, comprising in combination a back member of 75 thin sheet metal flanged downward to form a channel and having a series of sharp pointed pins inserted from within the channel which pins are retained in position by a filling of wood or the like between the 80 flanges of the channel, a hinge member at one end fitted in between the flanges and secured to the back, leaf engaging bars pivotally connected to the hinge member, a holding means for the free ends of these 85 bars which member is fitted in between the flanges of the back member and secured thereto, said holding member being notched on each side to receive and retain the ends of the leaf engaging bars, a clasp member 90 hinged to the bar engaging member and bent so as to clasp over the top and engage the sides of the bars when in the notches, a spring retaining the clasp member in the closed and in the open position, means for 95 applying a padlock to retain the clasp over the ends of the bars and a cover secured to the back of the binder.

5. A binder of the class described, comprising a cover, a back member of thin sheet 100 metal downwardly flanged to form a channel, a hinge member fitted between the flanges of the channel and bent at right angles, leaf engaging bars pivotally mounted in the hinge member, bar retaining means 105 at the other end of the back member fitted between the flanges of the back and bent at right angles, said member having a notch at each side to receive the free ends of the leaf engaging bars and ears bent outward from 110 the retaining member, a clasp pivotally mounted between these ears the end and sides of which are bent together at right angles to inclose the end of the bars when in the retaining notches, the end of the 115 clasp being produced beyond the pivot and bent outward, and a spring bearing against this outwardly turned end of the clasp, a filling of wood between the flanges, means for securing the hinge end, the bar retaining 120 end and said cover to said back member of the binder.

6. A binder of the class described, comprising a rigid back member, a set of sharp pointed pins carried by and projected upwardly from said back member, a hinge 125 member secured to one end of said back member and projecting upwardly there-

from, a set of leaf engaging bars hinged to
said hinge member to lie spaced above said
pin extremities, means for holding the free
ends of said bars, a clasp for closing over
5 said means and the adjacent ends of said
bars, substantially as shown and described.

In testimony whereof I have signed my

name to this specification in the presence
of two subscribing witnesses.

GUSTAV A. ROEDDE.

Witnesses:

ROWLAND BRITTAIN,
MAY WHYTE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
