

No. 767,277.

PATENTED AUG. 9, 1904.

H. F. HUELSTER.

BINDER.

APPLICATION FILED NOV. 8, 1902.

NO MODEL.

FIG. 1.

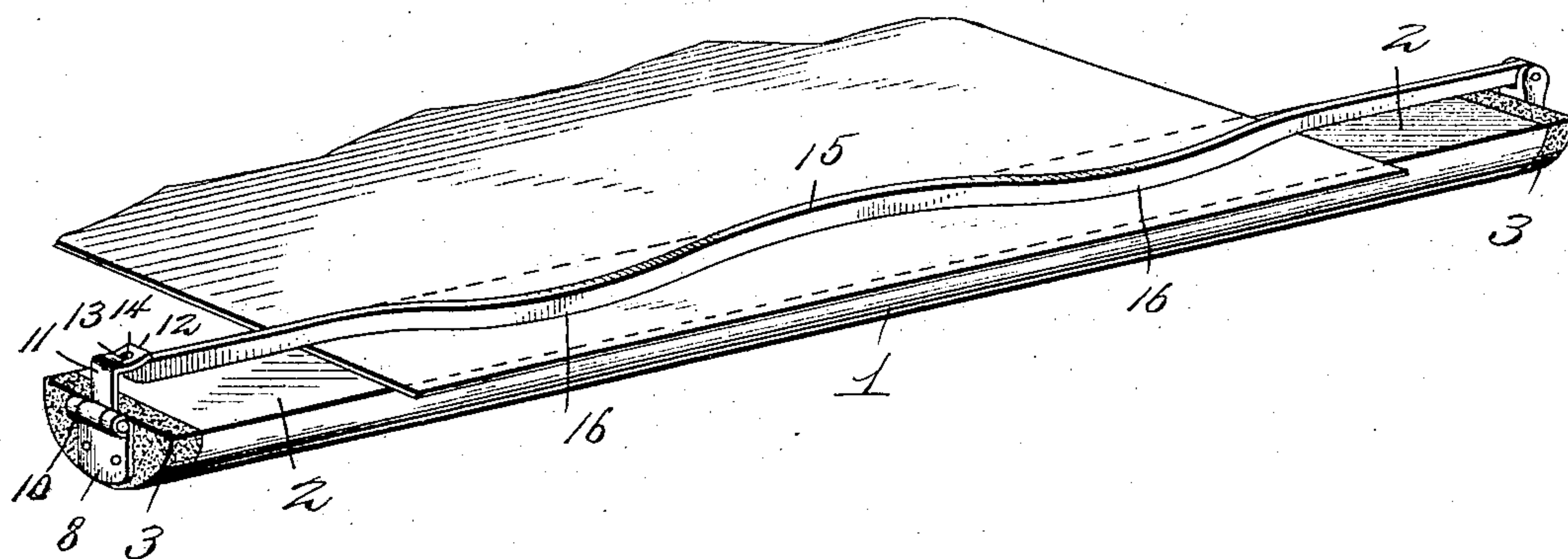


FIG. 2.

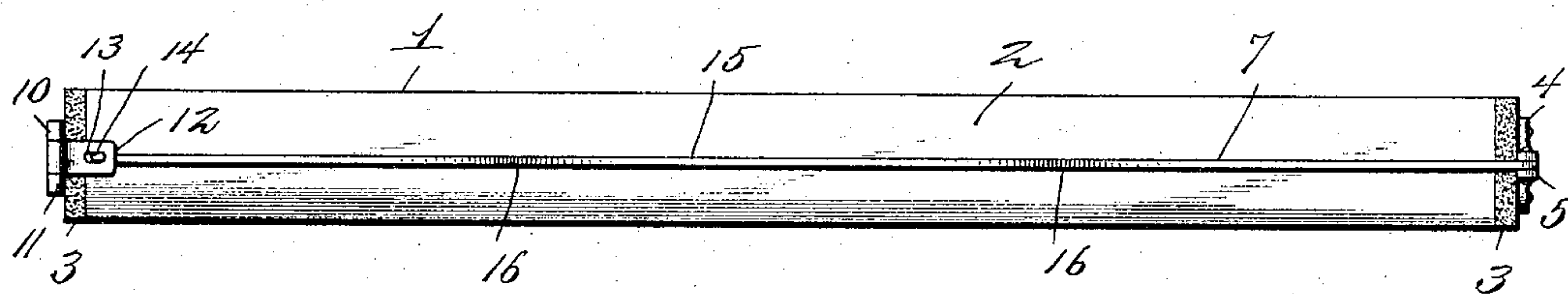


FIG. 3.

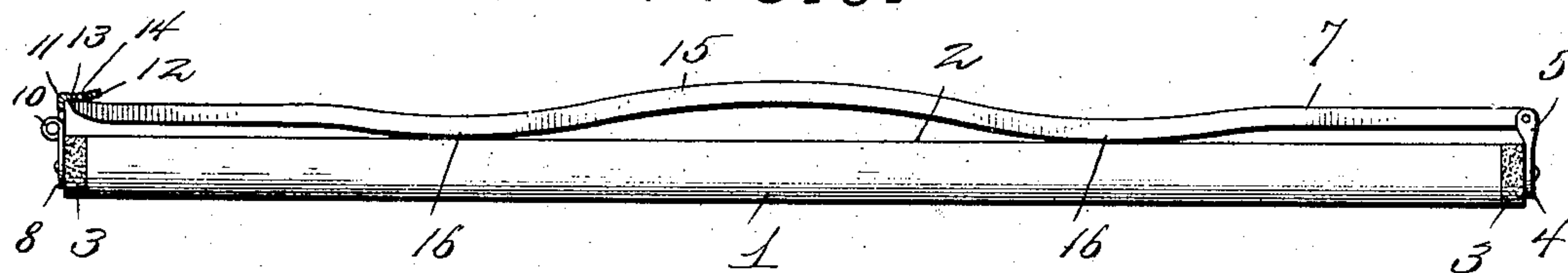


FIG. 4.

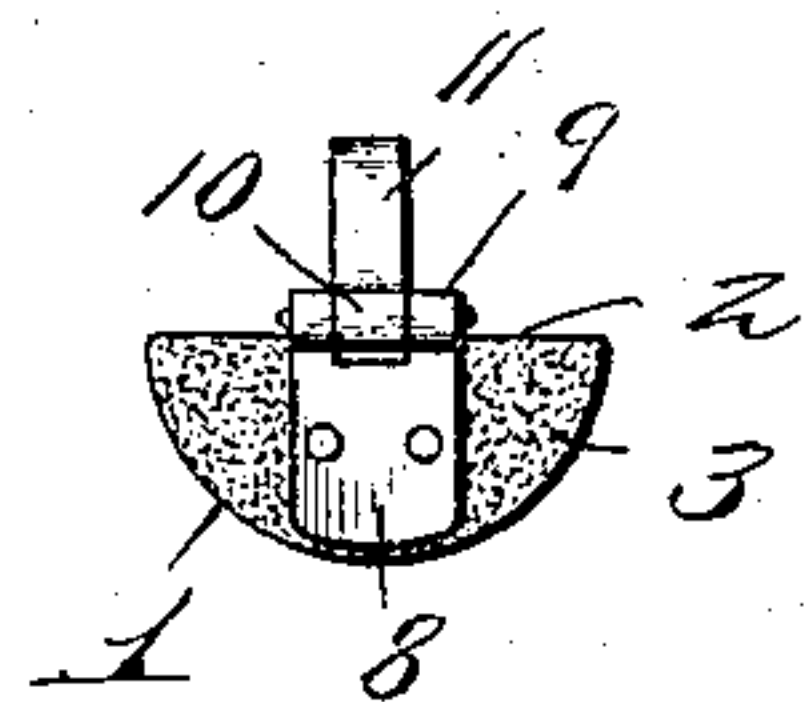
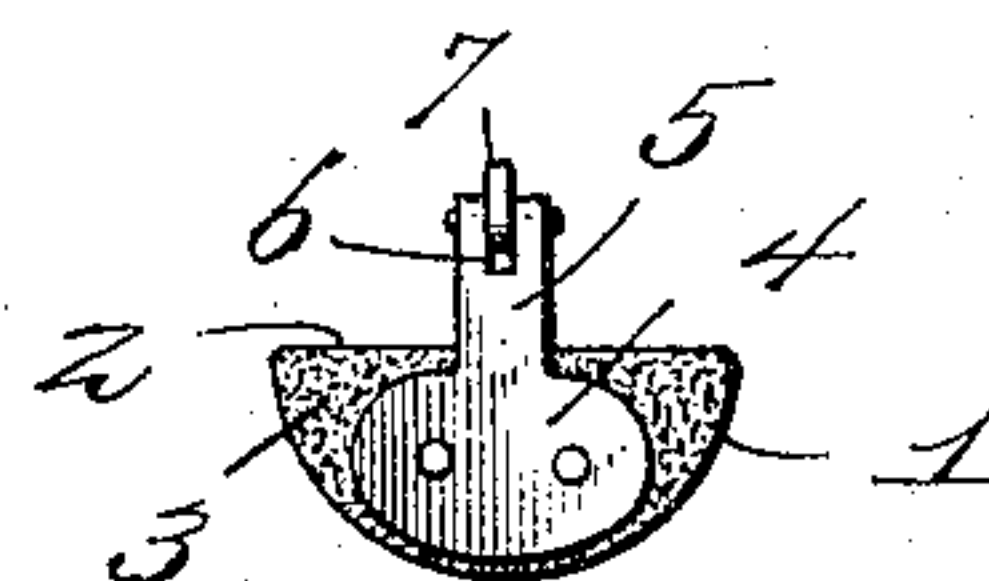


FIG. 5.



Witnesses

*Harry L. Ames,*  
*Chas. S. Hoyer.*

Inventor

*Henry F. Huelster.*

By

*Victor J. Evans*

Attorney



# UNITED STATES PATENT OFFICE.

HENRY F. HUELSTER, OF ST. PAUL, MINNESOTA.

## BINDER.

SPECIFICATION forming part of Letters Patent No. 767,277, dated August 9, 1904.

Application filed November 8, 1902. Serial No. 130,599. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY F. HUELSTER, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented new and useful Improvements in Binders, of which the following is a specification.

This invention relates to an improvement in temporary binders for magazines, pamphlets, and other publications; and the object of the same is to produce an effective device of this class, particularly adapted for use in connection with members of a folding back, but also capable of practical service without additional inclosing features.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective of a binder embodying the features of the invention and showing the manner of practically using the same. Fig. 2 is a top plan view of the improved binder. Fig. 3 is a side elevation of the same. Figs. 4 and 5 are elevations of opposite ends of the binder.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

N numeral 1 designates a solid back of elongated form and preferably constructed from wood or other light material, and for convenience in applying the same within the hinged portion of a temporary book-binder or backs the improved device is given a convex contour at one side terminating at the opposite edges of a flat face 2, against which leaves or sheets are brought to bear when the improved device is applied to its intended use. The opposite ends of the back 1 are preferably covered with reinforce-pieces, which consist of fabric or other material which fit over said ends, as at 3, to give the entire device a neat appearance and also to shield the said ends and reduce the wear thereof on portions of the hinged device of a back in which the binder may be placed. On one of the reinforce-pieces on one end of the back 1 a hinged plate 4 is secured and has an upwardly-projecting knuckle member 5, formed with a slot 6 in its upper

free end. The said plate 4 is immovably applied, and in the upper slotted end of the knuckle member one terminal of a clamping-bar 7 is pivotally secured and normally extends over the center of the face 2 in a longitudinal direction. On the opposite reinforce-piece on the other end of the back 1 a hinged plate 8 is immovably applied and has upper knuckles 9, between which a knuckle 10 of an angular catch 11 is movably held, the said catch being formed with an inwardly-projecting tongue 12, having an aperture 13 therein. The free end of the clamping-bar 7 has an upwardly-projecting stud 14 to engage the aperture 13 in the tongue 12 of the catch.

The clamping-bar 7 has an elevated central portion 15 and contact depressions 16 on opposite sides of the center to thus provide two positive holding or clamping points in the length of the bar which are brought into close relation to the face 2 when said bar is locked down against the face, and to avoid injury to the leaves or sheets engaged by the said depressions 16 the latter have smooth convex bearing edges.

In use the clamping-bar 7 is released by disengaging the stud 14 thereof from the tongue 12 of the catch 11, and when said bar is thus released it can be thrown back or drawn away from the face 2 and a sheet, leaf, or other part of a magazine, pamphlet, or other publication to be temporarily bound by the improved device is disposed on or applied to the face 2, and the clamping-bar is then pressed inwardly and caused to firmly engage the part of the magazine, pamphlet, or other device on the face and secured by the catch 11. The two contact depressions 16 are exceptionally effective in holding the sheet, leaf, or other device applied to the face 2 by reason of the two points of pressure provided thereby in contradistinction to the unreliable single-contact portions of clamping-bars of many binders now in use which are liable to tear the leaves or sheets engaged thereby. Moreover, the two contact depressions 16 are exceptionally effective in holding thin sheets or leaves.

The several parts of the device of the improved binder are so constructed as to stand



considerable strain and resist breakage, and it will be understood that the clamping-bar 7 will be sufficiently resilient to cause it to yield when applied over a bulky device disposed  
5 on the face 2. The hinged catch 11 is also an important feature in the present construction, as it can be gradually brought to bear over the free end of the clamping-bar to engage the stud 14 without liability of breakage.

10 The improved binder will also be found exceptionally useful in holding newspapers and can be supplied with any of the usual suspending means for this purpose, and to adapt the binder to general use changes in the proportions and dimensions thereof may be re-  
15 sorted to without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is—

20 A binder comprising a solid back having a continuous unobstructed flat face provided

on opposite ends with reinforce-pieces, one of which has secured thereto an upwardly-extended knuckle, the other having a plate secured thereto which also extends above its  
25 reinforce-piece and in line with its knuckle, said plate being provided with an angular catch hinged thereto having an upturned operating-tongue with an aperture therein, and a clamping-bar having a plurality of con-  
30 cavo-convex depressions, said bar having one end hinged to said knuckle and provided on its free end with a stud for engagement or disengagement with said aperture by means of said tongue of said catch, substantially as  
35 specified.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY F. HUELSTER.

Witnesses:

GRACE M. EGAN,  
WALTER P. COUFAN.