

Nov. 18, 1924.

1,516,109

C. F. McBEE

BINDING MEANS FOR BOOKS AND THE LIKE

Filed Jan. 2, 1923

Fig. 1

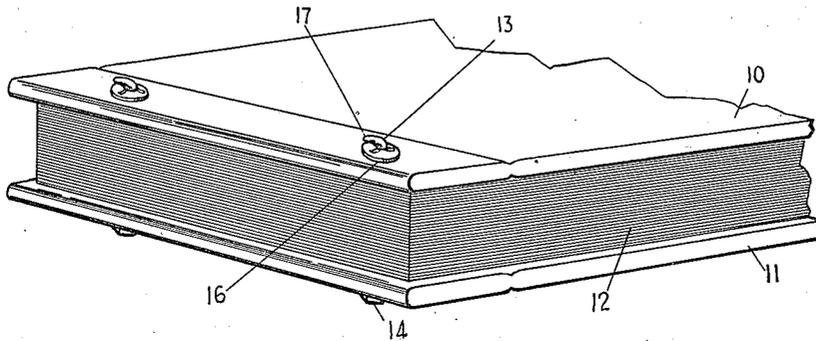


Fig. 2

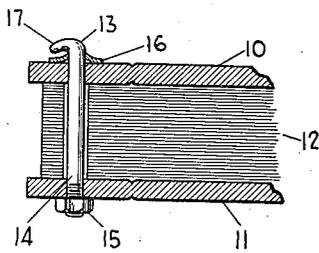


Fig. 3

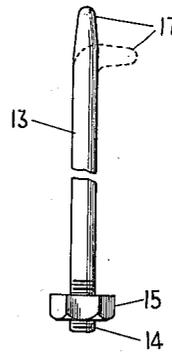
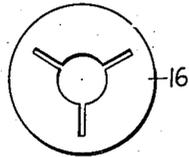


Fig. 4



Charles F. McBee

Inventor

By His Attorneys *Dodson and Roe.*

UNITED STATES PATENT OFFICE.

CHARLES F. McBEE, OF ATHENS, OHIO, ASSIGNOR TO THE McBEE BINDER COMPANY,
OF ATHENS, OHIO.

BINDING MEANS FOR BOOKS AND THE LIKE.

Application filed January 2, 1923. Serial No. 610,139.

To all whom it may concern:

Be it known that I, CHARLES F. McBEE, a citizen of the United States, and residing at Athens, in the county of Athens and State of Ohio, have invented a certain new and useful Improvement in Binding Means for Books and the like, of which the following is a specification.

My invention relates to the book binding art and has for its object to provide permanent binding means for books, which may, nevertheless, be removed if desired. A further object is to produce such means in a simple, durable, strong and practically inexpensive construction so as to cause it to be readily adaptable to commercial usage.

In offices requiring a large volume of filing it is very desirable to have the binding means of a permanent character and yet have it possible to take the volume apart and in order to accomplish this dual, and apparently inconsistent purpose, it is necessary to produce a device that will have this double function. To the accomplishment of this object I have devoted my attention and have produced the improved device described and claimed in this application, and illustrated in the accompanying drawings in which—

Fig. 1 is a fragmentary perspective view showing my improvement applied to a loose leaf book.

Figs. 2, 3 and 4 are enlarged detail views. Referring to the accompanying drawings,

the reference numeral 10 is used to indicate the upper cover, 11, the lower cover, and 12 the sheets designed to form the volume under construction; all being provided with reg-

istering orifices to receive the binding bolts or rivets. The numeral 13 indicates the binding bolt I employ, threaded on its lower end, as shown at 14, to receive a nut 15. The nut is placed upon the bolt which is then threaded through its set of registering orifices in the covers and sheets, its end protruding therethrough. A clutch 16, formed of a disc orificed in its center and with slits radiating therefrom, is then forced downwardly on the protruding bolt end and pressure applied to firmly and securely bind the covers and sheets together, and the end of the bolt is then, preferably, turned, as shown at 17. This forms a complete and permanent binding, though obviously a plurality of these binding means are, preferably, used.

If it is desired to remove the binding, for any of several purposes, the operator can simply unscrew the nut 15 and drive the bolt through the orifices.

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

A book binder comprising a bolt of substantially uniform thickness throughout the major portion of its extent, threaded on one end and tapering toward its other end, a nut to engage the threaded end, and a clutch to be received by the tapering end and forced to a seat on the said bolt, said tapering end being thereafter turned over the clutch.

In testimony whereof, I have signed the foregoing specification.

CHARLES F. McBEE.