J. C. DAWSON.

LOOSE LEAF BINDER.

APPLICATION FILED AUG. 11, 1909.

966,806. Patented Aug. 9, 1910.

Fig. 1.

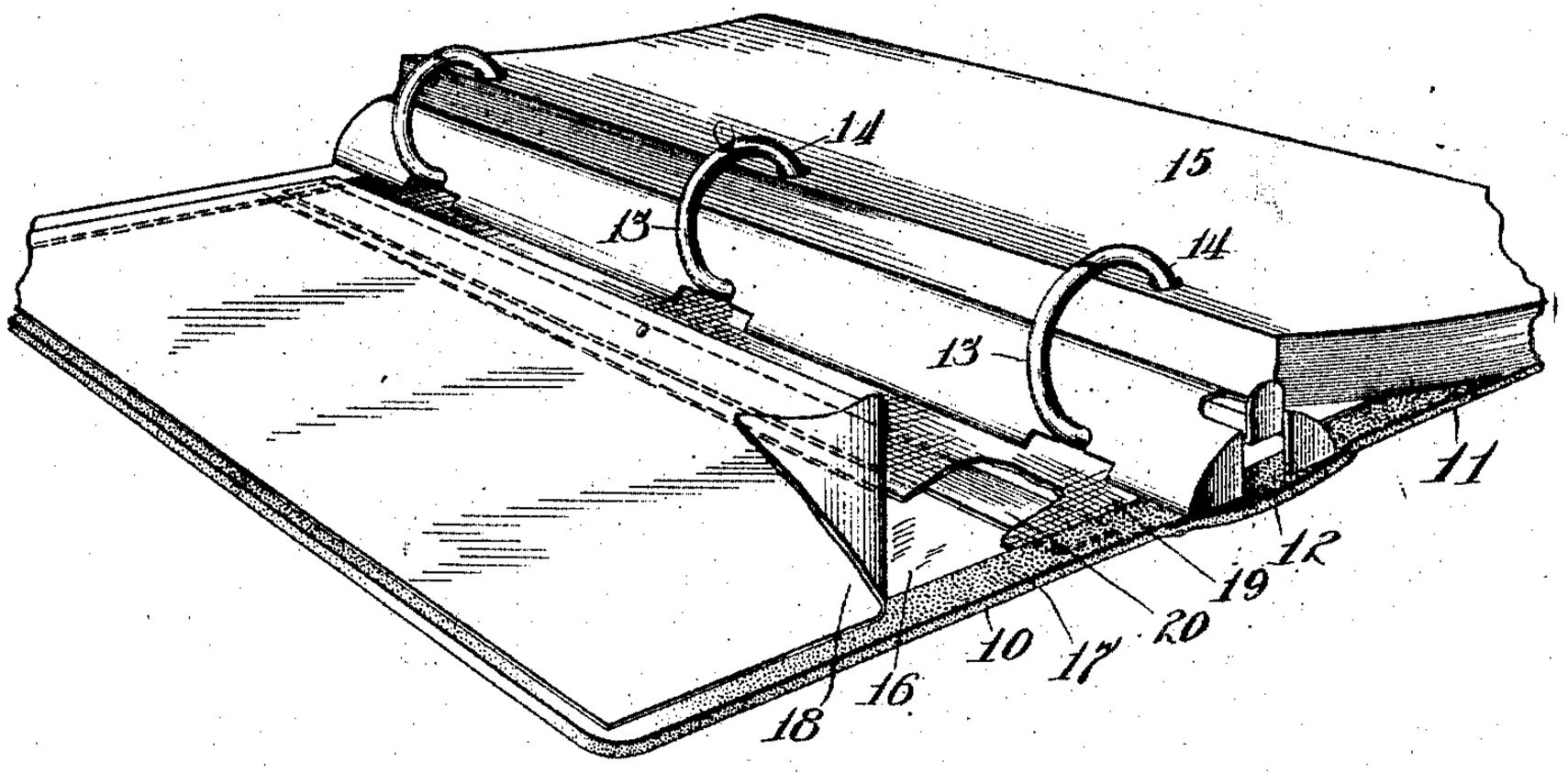
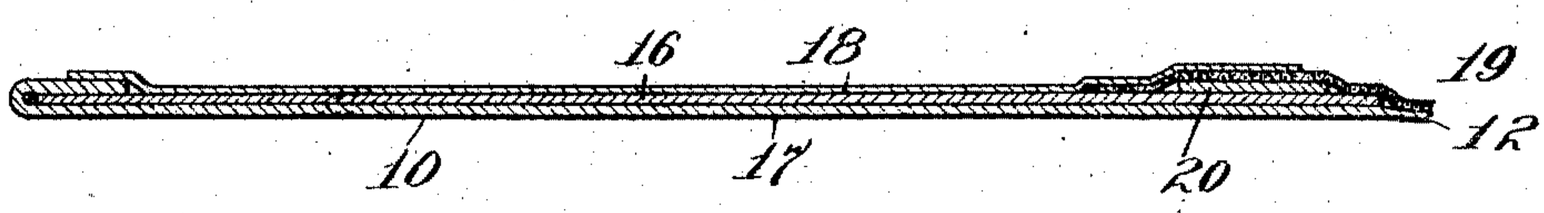


Fig. 2.



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UNITED STATES PATENT OFFICE.

JAMES C. DAWSON, OF WEBSTER GROVES, MISSOURI, ASSIGNOR TO SIEBER & TRUSSELL MANUFACTURING CO., A CORPORATION OF MISSOURI.

LOOSE-LEAF BINDER.

966,806. Specification of Letters Patent. Patented Aug. 9, 1910.

Application filed August 11, 1909. Serial No. 512,383.

To all whom it may concern:

Be it known that I, JAMES C. DAWSON, a citizen of the United States, and resident of Webster Groves, county of St. Louis, and State of Missouri, have invented certain new and useful Improvements in Loose-Leaf Binders, of which the following is a specification, and which are illustrated in the accompanying drawings, forming a part thereof.

The invention relates to that style of loose leaf books in which the binding mechanism comprises outwardly-bowing curved prongs secured to a back, and flexible side covers; its object being to reinforce the portions of the side covers which bear against the prongs when the book is closed; and it consists of a device of the kind referred to having in its covers elastically flexible reinforcing strips or plates, preferably of metal, the invention being hereinafter fully described and illustrated in the accompanying drawings, in which—

Figure 1 is a detail perspective of the book when open, portions of the cover being broken away; and Fig. 2 is a detail sectional view of one of the covers.

The book comprises a pair of cover plates 10, 11, united by a back member 12, to which suitable leaf-holding mechanism is attached, such leaf-holding device comprising the outwardly-curved prongs 13, 14, arranged in pairs, as many pairs being employed as may be deemed advisable; the sheets or leaves 15 being impaled upon the prongs in the well known manner.

The side plates 10 and 11 are flexible, and are usually made of leather or fabric. As shown, there is a filler 16, an outer covering 17, and a lining 18. The outer cover 17 is shown as extending across the back 12, being a continuous sheet applied to the entire outer surface of the book. The back has a lining 19 of fabric or leather, the lining 18 of the side plate overlapping its edges. Interposed between the elements of which each of the side plates is composed, as shown between the filler 16 and the back lining 19, there is a strip or plate 20 of hard and flexibly elastic material, such as celluloid, preferably extending from the top to the bottom of the book.

When the book is closed the side plates bear against the outwardly-curving portions of the prongs 13, 14, and especially when the back is not completely filled with leaves there has been, in books of this character as heretofore made, a serious and objectionable indenting of the sides by the prongs, not only badly disfiguring the book but resulting in wear of both the lining and outer covering and thus shortening the life of the device. This indentation is prevented by the insert 20, while the desired flexibility of the cover is retained.

The details of the sheet-holding mechanism are not shown, as the invention is not dependent thereon but is applicable to any book of the general character described, without regard to the particular manner in which the impaling prongs are secured or controlled.

I claim as my invention—

1. A loose leaf binder comprising, in combination, a back, flexible side plates, and outwardly-bowing impaling prongs secured thereto, and a hard and flexibly elastic filling plate within the cover adjacent the prongs.

2. A loose leaf binder comprising, in combination, a back, flexible side plates and outwardly-bowing impaling prongs secured thereto, and a celluloid plate located within that portion of the cover which bears against the prongs.

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