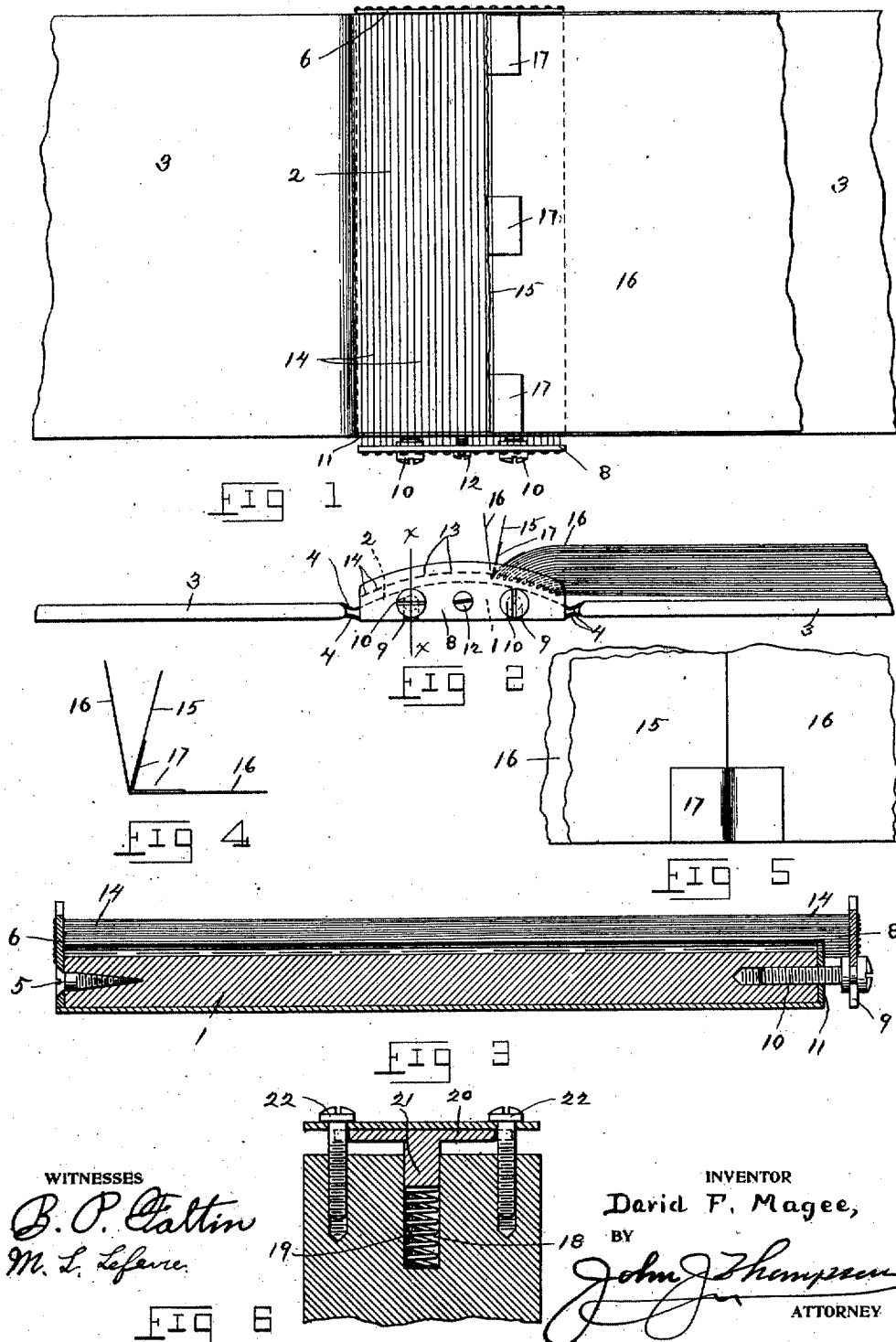


D. F. MAGEE.
MUSIC BINDER.
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981,932.

Patented Jan. 17, 1911.



WITNESSES
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DAVID F. MAGEE, OF LANCASTER, PENNSYLVANIA.

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981,932.

Specification of Letters Patent.

Patented Jan. 17, 1911.

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To all whom it may concern:

Be it known that I, DAVID F. MAGEE, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Music-Binders, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a loose leaf binder, and more particularly to that class which is intended for holding sheet music, without having to have the sheets perforated as has been found necessary with the present styles of binder, owing to nearly all music being printed with one loose sheet; while by my novel method of temporary binding, this loose sheet of music is permanently attached to the adjacent sheets, and at the same time the attaching means forms a reinforcement.

The objects of the invention are to produce a cheap, durable and efficient music leaf binder, which will hold a quantity of leaves and allow the leaves to lie flat when the book is opened.

A further object of the invention is to provide a binder in which the leaf-retaining means may be adjusted in such a way that the leaves may be readily inserted or removed therefrom.

Still a further object of the invention is to provide a binder of this class in which the leaf-retaining wires are of such a small diameter that the binder will hold a large quantity of leaves and very little space is taken up by the music; and by the simplicity of the device any child or unskilled person may readily prepare and file the sheets of music.

With these and other objects in view my invention consists in certain construction and combination of parts as will hereinafter be fully described and claimed in this application and illustrated in the accompanying drawings, which form a part of this application, and in which like figures of reference refer to corresponding parts in all of the views; but it is fully understood that while I have here described my invention as shown, that I do not confine myself to the exact construction as shown, as slight changes may be made within the scope of the appended claims without departing from the spirit of the invention.

In the drawings:—Figure 1, is a plan

view of the binder, showing the leaf-retaining means. Fig. 2, is an end view of the same. Fig. 3, is a longitudinal sectional view, taken on the line X—X of Fig. 2. Fig. 4, is a partial end view of a piece of music, showing the loose leaf and the reinforcing and binding means. Fig. 5, is a plan view of the same. Fig. 6, is a detail sectional view of a modified form of adjusting or tension means.

Referring to the drawings, the back of the book or binder comprises the member 1, which is formed with an arched top surface 2; said back 1, being attached to the covers 3, in the usual way by the bindings 4. Upon one end of said back 1, and at right angles thereto, is attached by the screws 5, the plate 6; said plate being provided with a row of holes 7, near the upper edge thereof. To the other end of the back 1, is detachably and adjustably secured a similar plate 8, which is provided with the slotted holes 9, which engage the grooved heads of the adjusting screws 10, which are screw-threaded into the end plate 11, which is secured to the end of the back 1; said adjustable or tension plate 8, being steadied and retained in place by the stud screw 12, upon which it slides; and said tension plate 8, is further provided with a set of holes 13, corresponding to the holes 7, in the plates 6. Through these holes 7, and 13, are threaded the leaf-retaining wires or strings 14, which, it will be seen, may be slackened or drawn taut by the action of the adjusting plate 8.

As most music 16, contains one loose sheet 15, I have provided the reinforcing and binding hinges 17, which are gummed and applied to the sheets in such a way as to hingeably secure the loose sheet 15, to the folded sheet 16.

The binding wires or strings 14, having been slackened by the adjustment of the tension plate 8, the piece of music is inserted under one of the wires 14, so that the wire 14, lies in the fold thereof and upon the reinforcement 17; and the wires 14, are then stretched by the tension plate 8, and in this way it will be seen that the sheets may be readily inserted or removed; that they will not be cut by the wires, and that they will lie flat when the book is opened.

In Fig. 6, I show a modified form of tension adjustment which consists in supplying the end of the back 1, with an orifice 18, within which is placed a spiral spring 19;

while secured upon the back of the tension plate 8, is a plate 20, which is formed with a stud or plunger 21, which enters the orifice 18, and bears against the spring 19, in such a manner that said spring tends to normally force the plate 8, away from the end of the back 1, thus producing tension on the wires 14; while the tension may be relaxed by the adjusting screw 22.

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

15 1. A loose leaf binder, comprising a back formed with an arched upper surface, a plate secured upon one end thereof and at right angles thereto; a tension plate adjustably secured upon the other end of said back, binding wires or strings having their

ends secured to said plates and extending over the arched surface of said back and spaced therefrom. 20

2. A binder for sheet music, comprising a back, sheet-retaining strands mounted in spaced and parallel relation to said back, means for rigidly securing one end of said strands to one end of said back, and means for adjustably attaching the other ends of said strands to the opposite end of said back. 25

In testimony whereof I affix my signature in presence of two witnesses. 30

DAVID F. MAGEE.

Witnesses:

WM. J. COULTER,
JOHN J. THOMPSON.