

(Model.)

J. R. PITT.
TEMPORARY BINDER.

No. 255,452.

Patented Mar. 28, 1882.

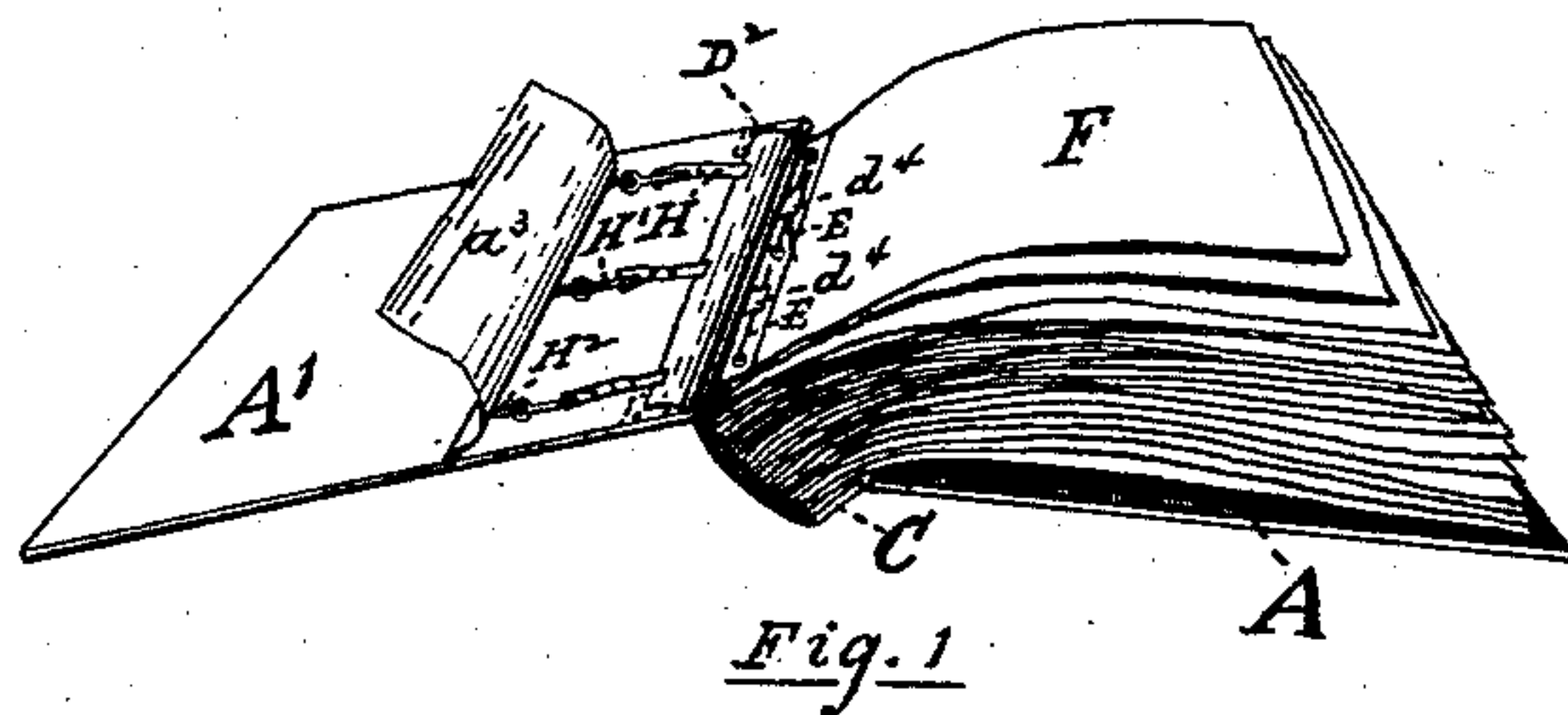


Fig. 1

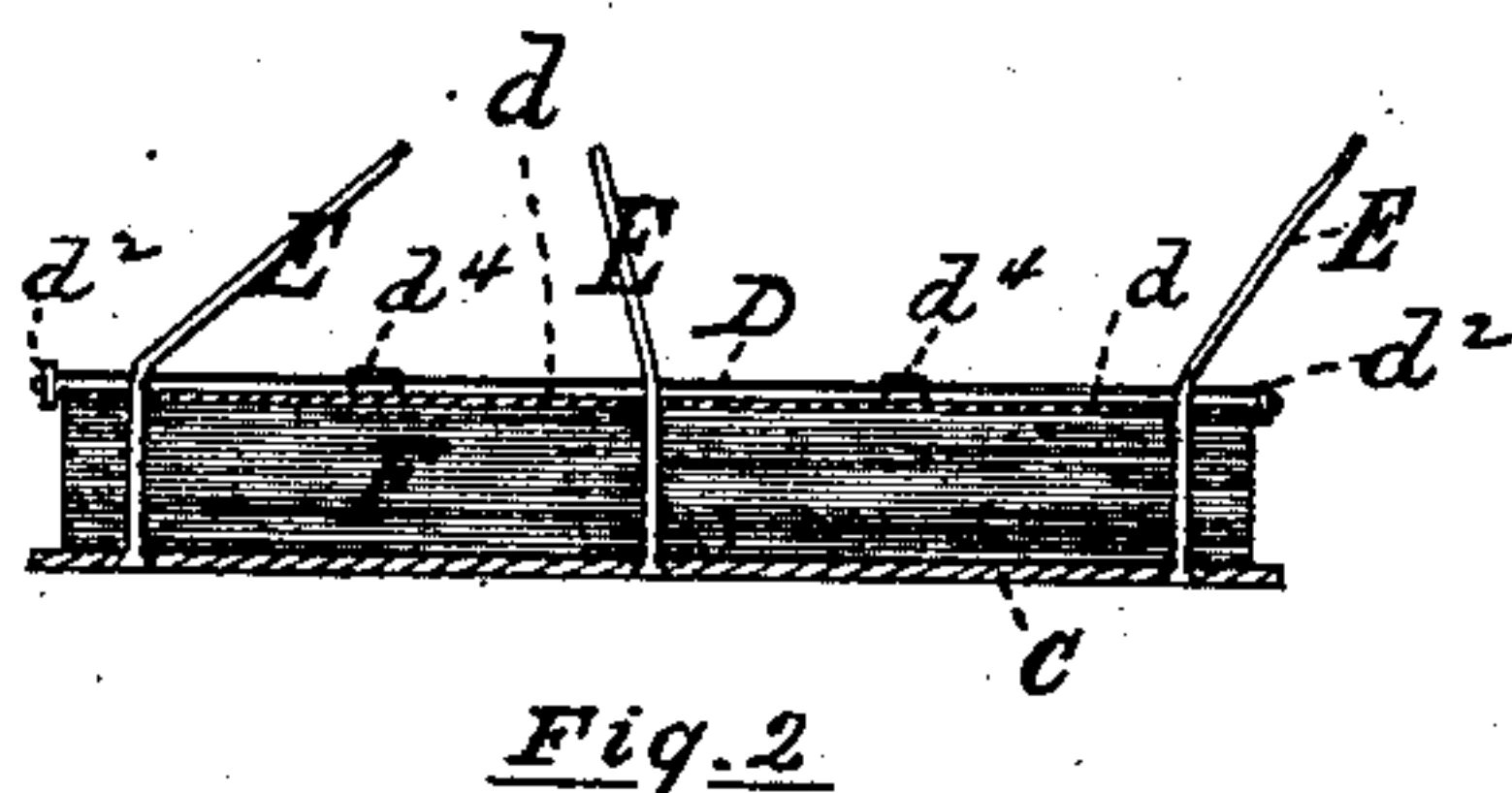


Fig. 2

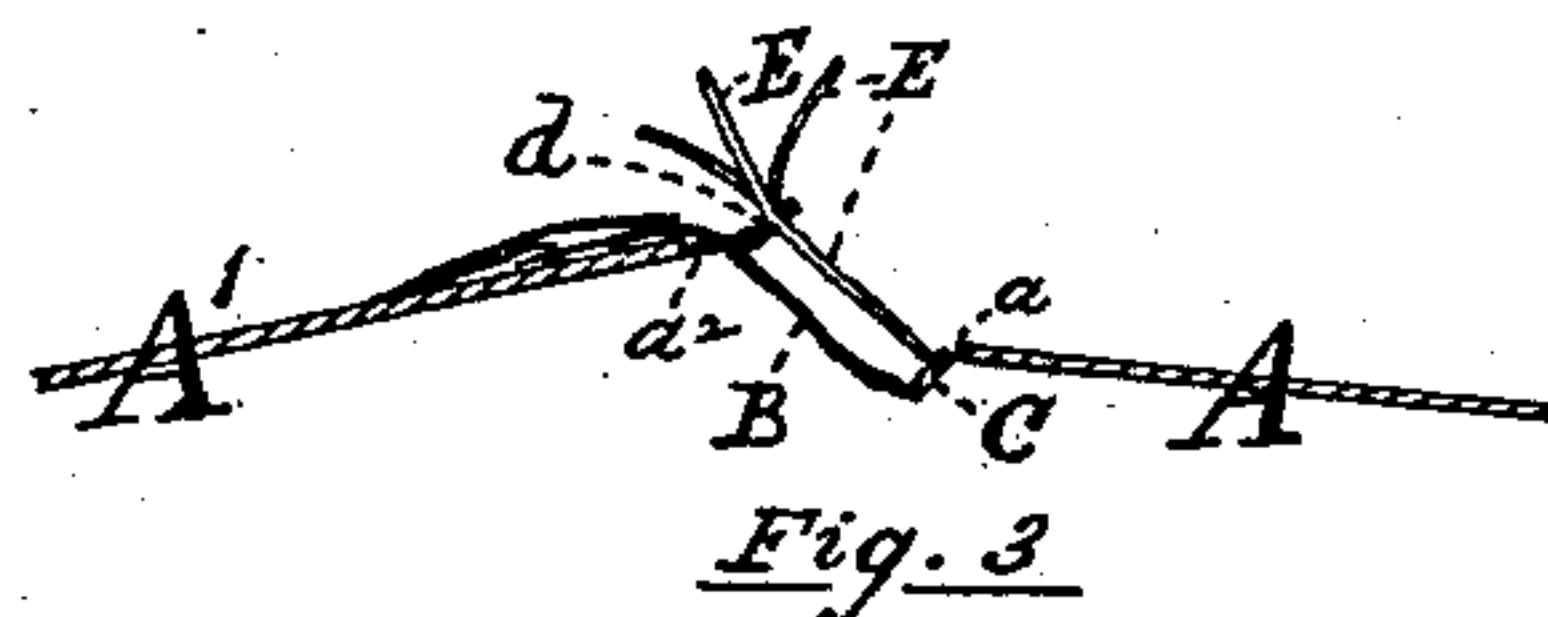


Fig. 3

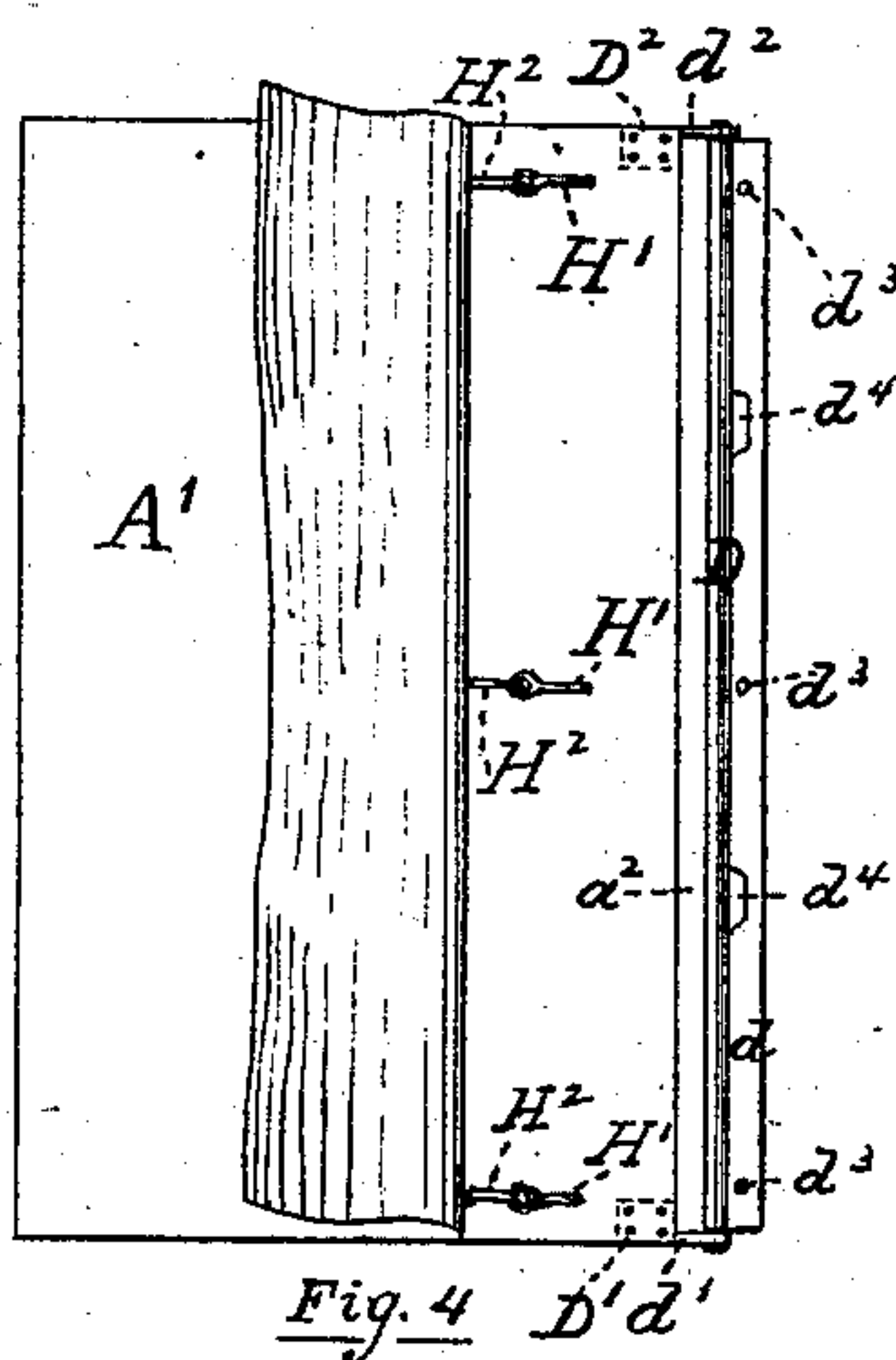


Fig. 4

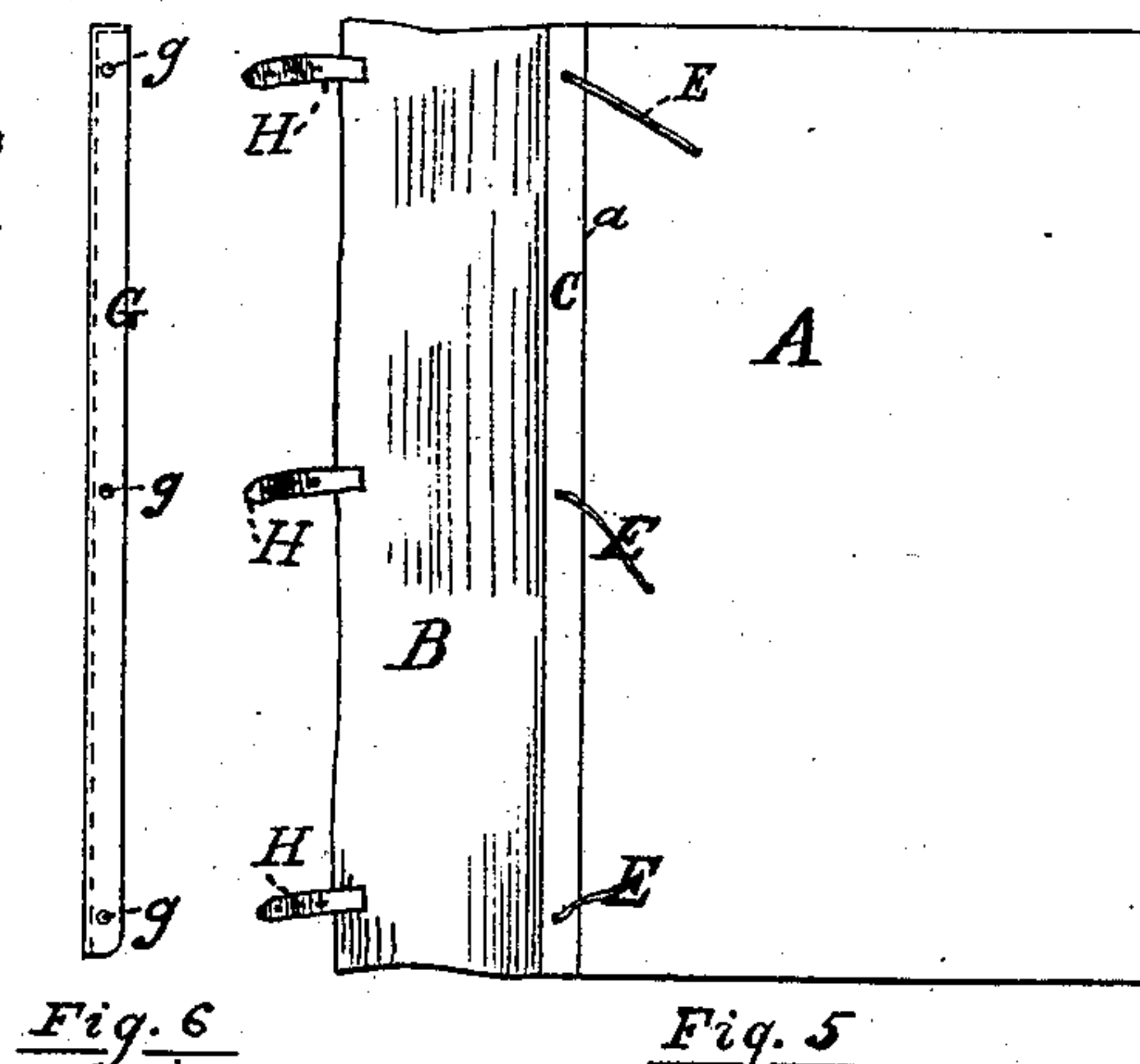


Fig. 5

Witnesses.

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JOHN R. PITT, OF BROOKLYN, NEW YORK.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 255,452, dated March 28, 1882.

Application filed June 1, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOHN R. PITT, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful File and Binder for Pamphlets, Bills, Letters, &c.; and I hereby declare the following to be a full and clear description thereof.

This invention relates to a file or binder having two side boards or covers (preferably made of stiff material, like pasteboard) connected together by an adjustable and flexible back so arranged as to be perfectly adjustable to any desired thickness or number of pamphlets, books, or papers that are to be filed or bound; and the said file or binder is constructed and arranged so as to present a perfectly-filled cover, no matter whether there be one or many pamphlets or papers in it. The books, pamphlets, or papers to be placed in this binder are to be secured therein by a new and superior form of binding devices, hereinafter more fully explained, and the stiff side boards are to be attached to the thin flexible back by means of an improved form of hinge, which will also be presently explained.

The invention will be readily understood by reference to the accompanying drawings, of which Figure 1 is a perspective view of one of the improved binders or files filled with pamphlets and thrown open so as to show the adjusting-clasps by which the covers are adjusted to different thicknesses or amounts of filling. Fig. 2 is a longitudinal section of one of the improved files or binders, taken through the line on which the binding-wires are passed through the pamphlets or filling. Fig. 3 is a transverse section of one of the improved files or binders without any papers or other matter, and arranged to disclose the manner of forming the hinge between the stiff sides and flexible back of the binder, and also the manner of connecting the flexible back to the two stiff sides. Fig. 4 is a plan of one half of the stiff side or cover and the attachments therewith connected. Fig. 5 is a plan of the other half or side of the stiff cover and the attachments therewith connected. Fig. 6 is a plan of the gage used in connection with this file or binder to puncture the paper at the proper points to receive the binding-wires.

The file or binder has two stiff sides or covers, A A', preferably made of stiff pasteboard,

and of such size and form as will be suited to the pamphlets, books, or papers which are to be secured within these lids. A thin flexible piece, B, of leather, cloth, or other suitable material, will be pasted or otherwise secured to the side piece, A, and allowed to extend sufficiently beyond its rear edge to be secured to the other part of the cover—viz., A'—as hereinafter explained.

A narrow strip, C, of stiff material, preferably wood—say about a half an inch wide and of the same thickness and length as the covers A A'—will be securely pasted or glued to the flexible back piece, B, in a position parallel with and close to the rear edge of the side A, and the lining of cloth, paper, or other material which is pasted over the inside of the cover A will also be extended down on the inner edge, *a*, of the piece A, and then up on the adjacent edge of the piece C, and so on over the piece C and down on the other edge thereof, thus securely attaching the piece C to the piece A, and forming a perfect hinge between these parts at the joint *a*. This hinge *a* C allows the cover A to be thrown wide open without straining or injuring the binding, and also with the advantage of allowing the several leaves of the parts bound to open with perfect freedom—in fact, much better than do most books in ordinary binding. A hinge of somewhat different form will be attached to the cover A', and this latter hinge will consist of a metallic bar or rod, D, having a flange or base-plate, *d*, and two eyes or holds, *d'* and *d''*, which are attached respectively to two small metallic cover-plates, D' and D'', which said plates are to be riveted or otherwise securely fastened to the inner corners of the cover A', as shown in Fig. 4. The outer ends of the holds or hinge-pieces *d'* and *d''* are pierced with transverse holes, into which the opposite ends of the hinge rod or bar D respectively enter, and on which they turn as a hinge, thus forming a perfect hinge for the side or cover A' to turn upon when the book or file is opened, and thereby securing all the advantages that have been above alluded to as belonging to the hinge *a* C. To prevent the parts becoming clumsy in appearance, the width of the hinge-pieces *d'* and *d''* should only be about equal to the thickness of the pasteboard cover A', and they should be secured to the said cover in such a manner as to extend rearward

from said cover with their outer faces in lines coinciding with lines drawn in prolongations of the ends of said cover, and extend beyond the rear side of said cover far enough to leave
 5 between it and the hinge rod D, to which they are attached, a space, a^2 , of about one-quarter of an inch in width, as shown best in Fig. 4. The bar or rod D has a flange or seat-bar, d , these two parts together forming a clamping-
 10 plate for holding the pamphlets or other papers in the file or holder, as well as forming one side or leaf of the hinge last above described. The seat-bar or flange d is about a half an inch wide, more or less, and is arranged
 15 to lie flat upon the papers that are being filed or bound, and it is pierced with several holes, d^3 , through which the binding-wires pass, and it is also provided with several lugs or cleats, d^4 , under which the said binding-wires are to
 20 be pushed or forced when the binding of any papers shall have been otherwise completed.

The outsides and insides of the covers A A' may be covered with any suitable or ornamental paper, cloth, or leather, as is customary in
 25 book binding, and so, also, may the outside of the flexible back piece, B, be ornamental; or it may be printed upon to indicate the contents of the file or binder, just as books are printed upon.

30 There are several binding-wires E inserted through the strip C, fastened securely thereto, and allowed to project perpendicularly therefrom, as shown in Fig. 3. These wires will pass through suitable holes prepared for them
 35 through the papers F, that are to be bound, and these holes can best be made through the papers by placing the gage G upon the papers and then pushing a sharp-pointed instrument, like an
 40 awl, through the guiding-holes g , prepared in the said gage-piece, and through the papers placed under the gage for the purpose, the positions of the said holes g being arranged to coincide with the positions of the wires E. The
 45 gage-piece will have flanges at one side and one end, so that when it is laid down upon the papers to be filed it may be pushed over the said papers until the said flanges stop against one
 50 side and the back edge of the papers, and thereby be stopped or gaged in the proper position for puncturing the holes for the wires E. The papers F to be filed, after having been
 55 punctured as above described, will be placed on the wires E, the latter carefully inserted through the punctured holes prepared for them, as above mentioned, and by having the positions of the holes for these wires uniformly
 60 gaged, as above described, it is evident the papers F, as they are successively filed, will present a neat and uniform position in the file or binder, and the appearance of the improved
 65 file or binder when filled with papers in this manner will be as neat and tidy as that of a perfectly-bound book. After having inserted the wires E through the holes in the paper, as
 above described, the papers being thereby secured to the cover A, the cover A' will be put on the other side of the papers by entering

the wires E through the holes d^3 of the clamping-piece D d , and then the said clamping-piece will be pressed down tightly upon the
 70 papers and the wires E turned tightly down upon the flange d , and then forced under the retaining-flanges d^4 , as shown in Fig. 1, and the papers will thereby be held firmly bound in the said improved file or binder. 75

When additional papers are to be put in the file or binder the wires E will be straightened up, and then the cover A' removed, so that the additional papers may be put on the wires, as
 80 before described, and then the cover A' will be returned to the wires and locked down, as before described. In this manner the covers A and A' will be tightly secured upon the in-
 85 closed papers, whether there be few or many of the papers so bound. When the sides or covers A A' shall be tightly locked upon the papers, as above described, the flexible back
 90 piece, B, will be inserted through the opening a^2 between the pieces D d and the cover A' and drawn up tightly toward the said cover A', and secured in that position by means of
 95 straps H and hooks H', attached respectively to the back piece, B, of cover A and to cover A', or vice versa, the hooks H' being attached by means of intervening elastic straps
 100 H², which are thus arranged for the purpose of drawing the back piece, B, up tightly to the backs of the bound papers, whether there be
 105 few or many of such papers in the binder or file. The straps H should be punctured with several holes for the hooks H', the said holes being placed at regular intervals in said straps
 110 H, so as to allow for tightening up the back of the binder upon any desired thickness or quantity of papers.

From the foregoing description it is evident that this binder is adapted to tighten up on
 115 any desired number or quantity of papers, and, whether there be few or many of such papers thus bound, the volume will present a neat and perfect appearance, and the covers A A' will
 120 open on their respective hinges a C and D d^2 without straining or injuring the binding, and the flexible back piece, B, will present a neat appearance, tightly drawn up to the back
 125 of the bound papers. The cover A' has an inside flap or leaf, a^3 , as shown in Fig. 1, which is fastened at the outer edge of the said cover and loose at the inner edge thereof, so that it may be turned up, as is clearly shown in said
 130 figure, at the inside or back edge, for the purpose of allowing the fastenings H H' H² to be operated, and so, also, that it may be turned down over the said fastenings when the parts are all in place, and thereby the said fastenings will be protected from injury, and they will also be covered up, so as to make the inside of the said cover present a neat appearance when the file or holder is in use.

Having described my invention, I claim— 130

1. A file and binder composed of two detachable stiff covers, one of said covers being provided at its inner edge with a hinged binding-strip which unites with and forms a part

of said cover, the other of said covers being provided with a clamping-plate hinged thereto, and means for detachably uniting said covers and holding the papers or pamphlets between them, substantially as described.

5 2. A file and binder composed of two detachable stiff covers, one of said covers being provided at its inner edge with a hinged binding-strip which unites with and forms a part
10 of said cover, and with binding-wires attached to said hinged strip, the other of said covers being provided with a perforated clamping-plate hinged to and projecting from the inner
15 edge thereof, forming a slot between the cover and clamping-plate, a flexible back piece united to the cover having the hinged strip, and adapted to pass through the slot of the cover having the clamping-plate, and fastening devices whereby said flexible back piece is detachably and adjustably connected to the latter cover, substantially as described.

3. A file and binder composed of two detachable stiff covers, one of said covers being provided at its inner edge with a hinged binding-strip which unites with and forms a part
25 of said cover, and with binding-wires attached to said hinged strip, the other of said covers being provided with a perforated clamping-plate hinged to and projecting from the inner
30 edge thereof, forming a slot between the cover and clamping-plate, said clamping-plate being provided with grooved lugs for retaining the ends of the binding-wires, and a flexible back piece rigidly connected to one of said covers and detachably connected to the other, sub-
35 stantially as described.

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Witnesses:

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