

(No Model.)

J. S. McDONALD.
CARBON SHEET HOLDER.

No. 487,959.

Patented Dec. 13, 1892.

Fig. 1.

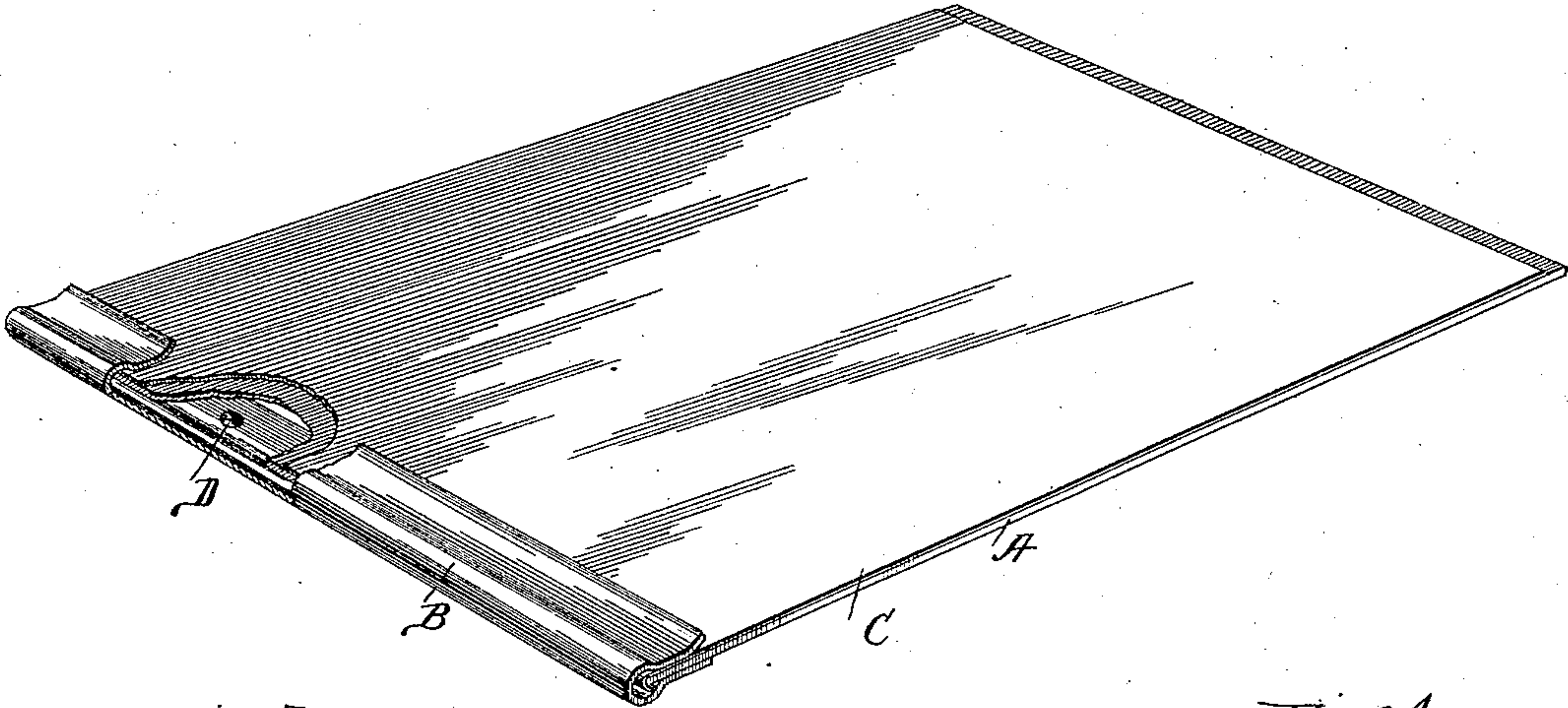


Fig. 3.

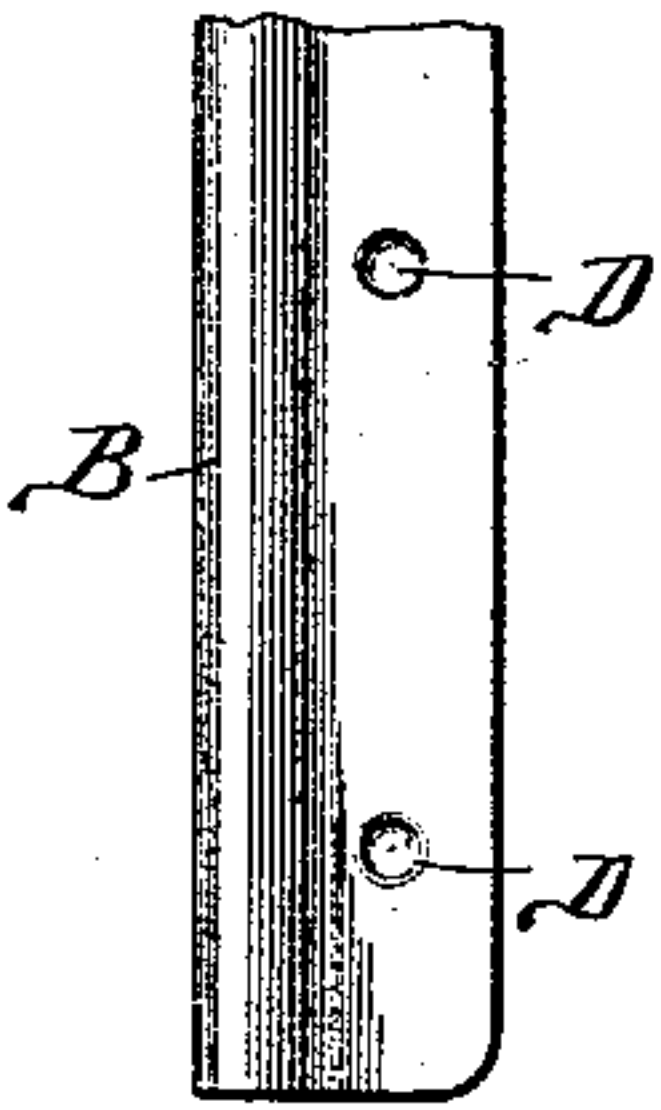


Fig. 2.

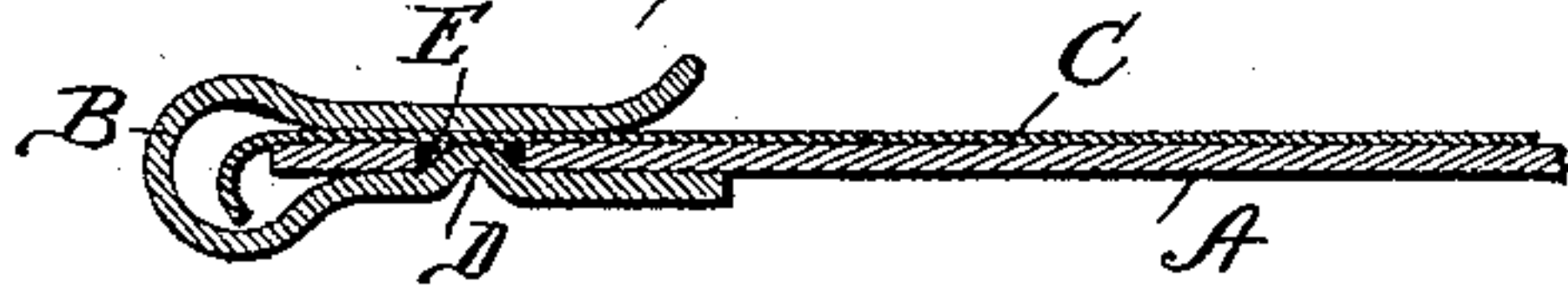


Fig. 4.

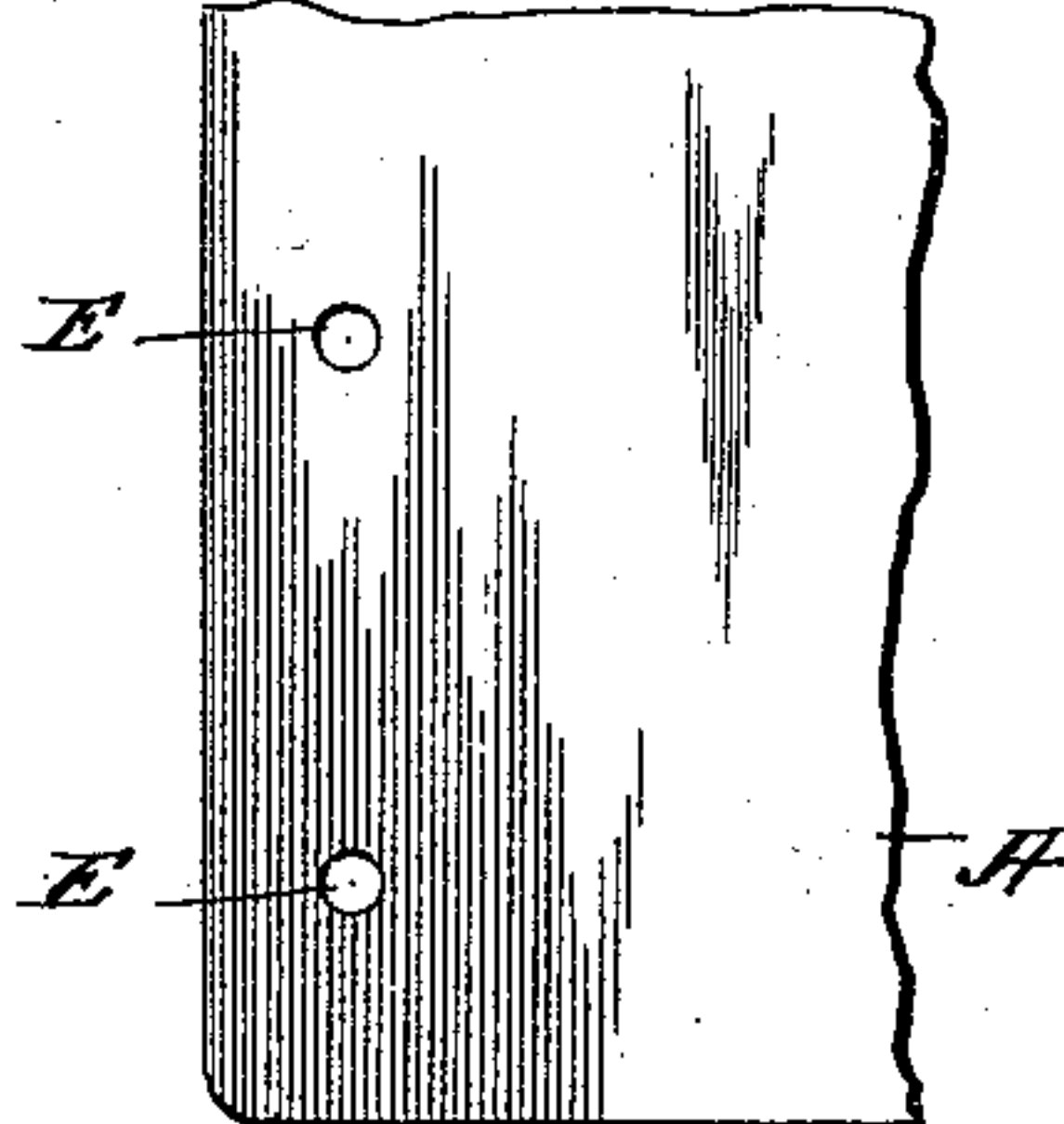


Fig. 6.

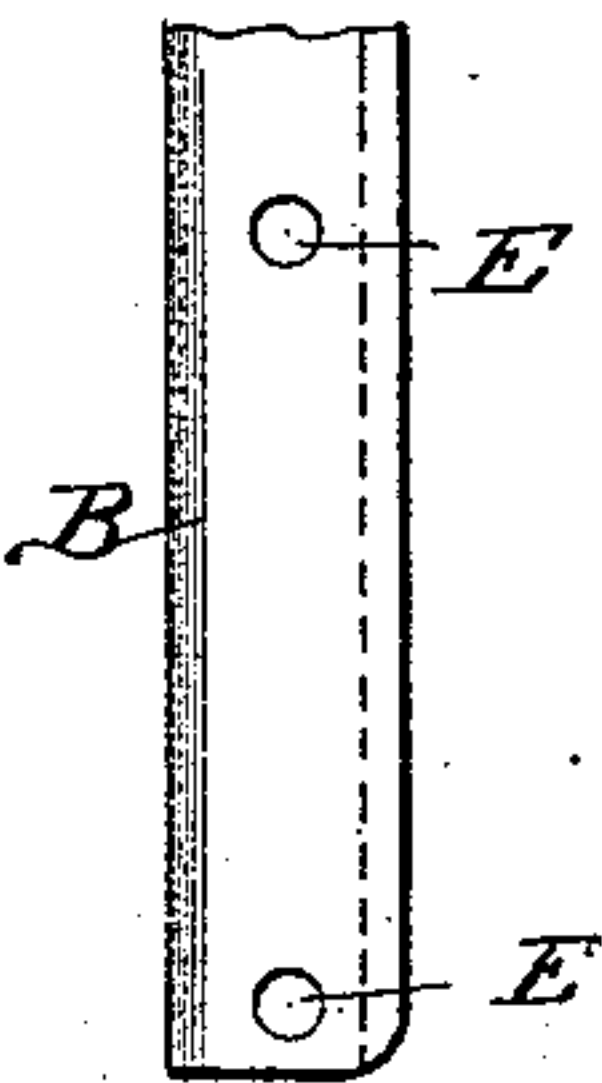
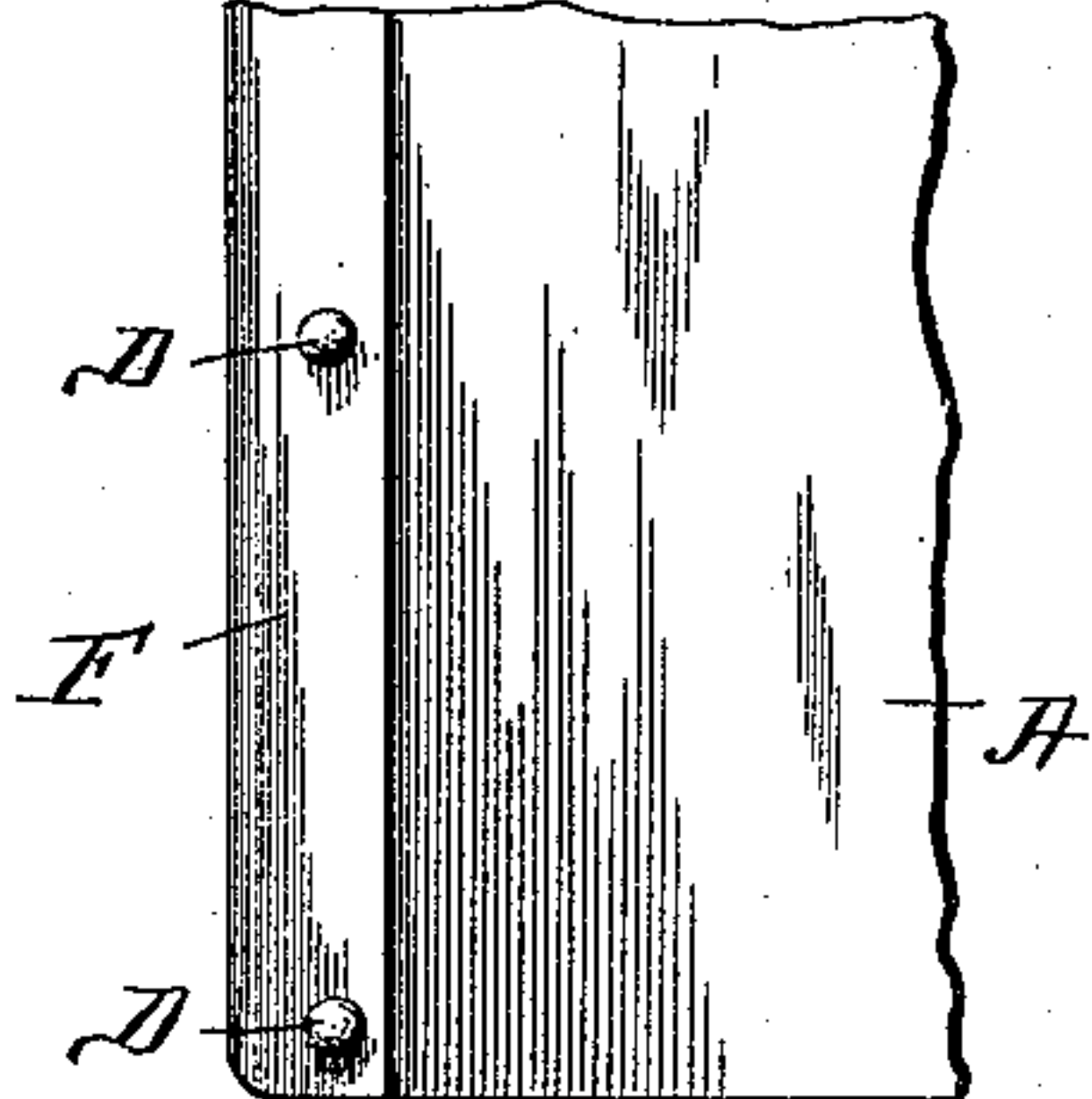


Fig. 5.



Fig. 7.



Witnesses
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JAMES S. McDONALD, OF CHICAGO, ILLINOIS.

CARBON-SHEET HOLDER.

SPECIFICATION forming part of Letters Patent No. 487,959, dated December 13, 1892.

Application filed July 24, 1891. Serial No. 400,623. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. McDONALD, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Carbon-Sheet Holders, of which the following is a specification.

This invention relates to improvements in carbon-sheet holders designed to be removably placed between the leaves of manifold, order, sales, and other books for the purpose of duplicating the matter written upon the leaves of the book, and has for its object to have the carbon-sheet not only detachably secured to a metallic plate or other suitable support, serving as a support therefor and for the original and duplicate leaves of the book, but also to have the fastening device for the carbon-sheet detachably secured to the plate in such manner that it, as well as the carbon-sheet, may be entirely detached from the plate. I attain this object by the devices illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of a carbon-sheet holder embodying my invention, with parts broken away to more clearly display the structural arrangement of the various parts thereof; Fig. 2, a detail vertical section through a portion of the same, more clearly illustrating the preferred manner of detachably securing the clamp to the body of the holder; Figs. 3 and 4, detail plan views, respectively, of portions of the clamp and supporting-plate illustrated in Figs. 1 and 2; Fig. 5, a view similar to Fig. 2, showing a modified form of connection between the clamp and plate; and Figs. 6 and 7, detail plan views of portions of the clamp and plate, respectively, detached, illustrated in Fig. 5.

Similar letters of reference indicate the same parts in the several figures of the drawings.

Referring by letter to the accompanying drawings, A indicates a square or rectangular metallic plate or other suitable support of suitable dimensions, one end of which is embraced by a U-shaped clamp B, composed of spring metal, between which and the plate is held the end of a sheet C of carbon-paper resting upon the plate, so that when the plate

is inserted into a manifold order or sales book, letter-book, or book of any similar character by inserting the duplicating-sheet between the carbon-sheet and the plate and laying the original over the carbon-sheet the matter written upon the original will be transferred by the carbon-sheet to the duplicating-sheet, the plate A acting as a support for all of the sheets while being written upon, so that stiff covers for the book may be dispensed with. It will thus be understood that the clamp binds the carbon-sheets upon the plate with a spring action of sufficient pressure detachment of such sheet, but by reason of the careless usage to which such a holder is subjected and to avoid the danger of detaching the clamp should the holder be tossed upon a desk or table I prefer not to depend solely upon the spring force of the clamp to retain it in its operative position, but to provide a separable fastening device therefor, which, while it will effectually lock the clamp in position against accidental detachment, will at the same time yield if sufficient pressure of the fingers be brought to bear thereon, so that the clamp and plate may be separated without the necessity for manipulating the catch device. To this end I provide a projection D upon one of said members and a recess or perforation E in the other member and registering with the projections, so that when the two members are brought together the projection will enter the recesses or perforations and thus detachably but effectually unite the members together.

The preferred form of connection between the clamp and plate is illustrated in Figs. 1 to 4, inclusive, in which the projection is struck up from the clamp and fits into a perforation in the plate—a simple, cheap, and effectual form of connection, which, however, may be readily reversed by striking up the projections from the plate and putting perforations or depressions in the clamp corresponding therewith; or, if desired, the edge of the plate may be reinforced or strengthened or stiffened by an embracing-strip F, secured thereto by rivets, the heads of which may constitute the projections D, fitting into the perforations or depressions E in the clamp.

A carbon-sheet holder constructed in ac-

cordance with my invention is both cheap and durable and possesses great utility by reason of its adaptability for use in connection with books to which for any reason it is not desirable to directly attach, either permanently or detachably, a carbon-sheet holder of the usual form.

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

10 1. In a carbon-sheet holder, the combination, with a metallic supporting-plate, of a U-shaped spring-clamp adapted and arranged to embrace the edge of said plate, a series of projections upon one of said mem-
15 bers, and a corresponding series of recesses

or perforations in the other member, substantially as described.

2. In a carbon-sheet holder, the combination, with a metallic supporting-plate and the reinforcing-strip riveted along one edge thereof, of the U-shaped spring-clamp adapted and arranged to embrace said reinforcing-strip and provided with recesses or perforations for reception of the heads of said rivets, substantially as described. 20

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Witnesses:

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