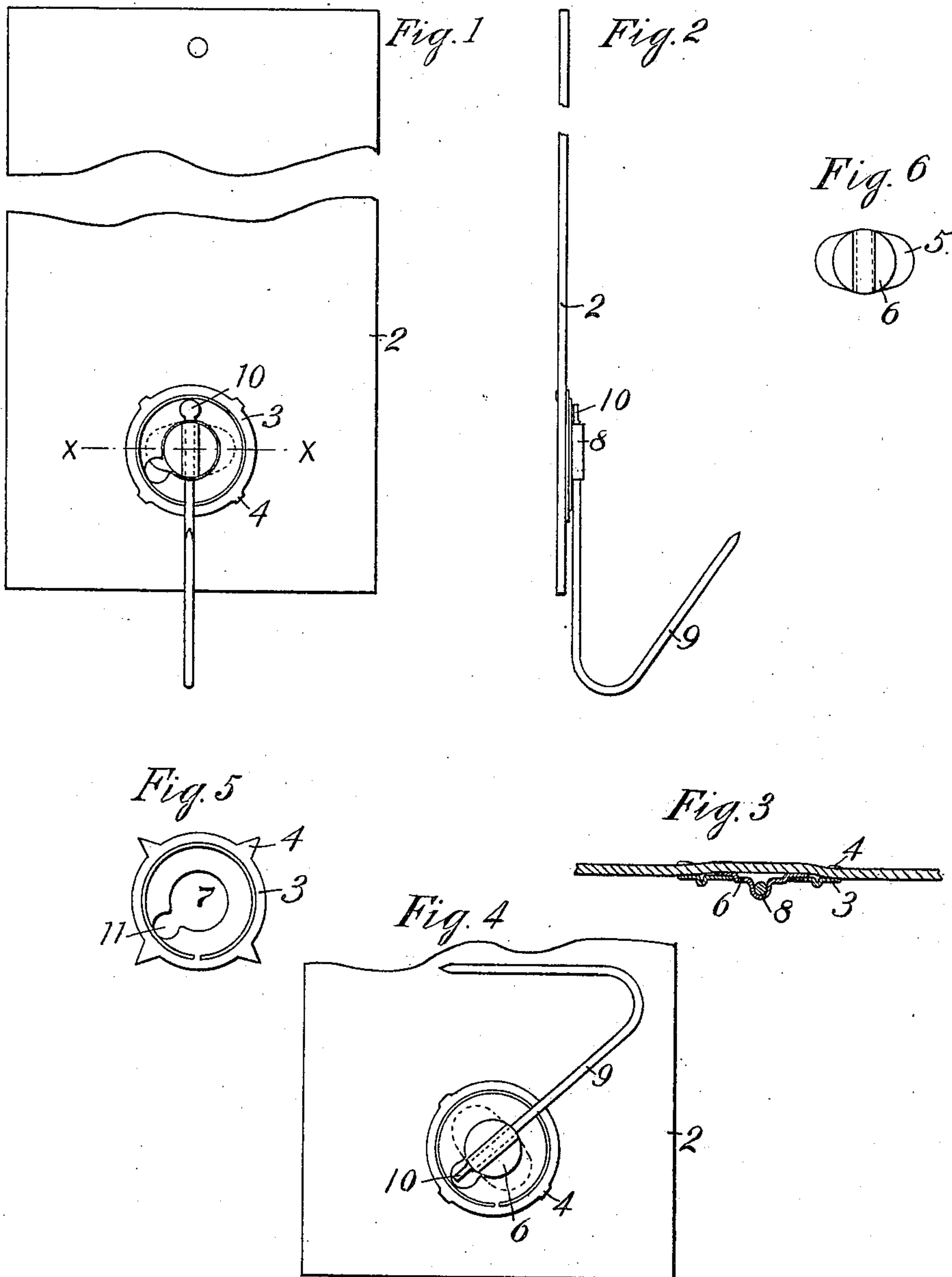


No. 886,486.

PATENTED MAY 5, 1908.

E. D. FALES.  
BILL FILE.

APPLICATION FILED JAN. 10, 1907.



Witnesses,  
George Voelker  
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# UNITED STATES PATENT OFFICE.

EUGENE D. FALES, OF ST. PAUL, MINNESOTA, ASSIGNOR TO BROWN & BIGELOW, OF ST. PAUL, MINNESOTA, A CORPORATION.

## BILL-FILE.

No. 886,486.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed January 10, 1907. Serial No. 351,682.

*To all whom it may concern:*

Be it known that I, EUGENE D. FALES, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Bill-Files, of which the following is a specification.

My invention relates to improvements in bill files of the class wherein a bill hook is supported upon a plate or card in such way that it may be turned out from the card into bill receiving position or folded flat against the card for packing and shipping.

The invention has for its object to provide improved means for supporting and manipulating the hook and consists in the construction, combination and arrangement of parts hereinafter described and claimed.

In the accompanying drawings forming part of this specification, Figure 1 is a front view of the device with the hook turned out into bill receiving position; Fig. 2 is a side view of the same; Fig. 3 is a cross section on line  $x-x$  of Fig. 1; Fig. 4 is a front view of the device with the card partly broken away and the hook turned and folded flat against the card; and Figs. 5 and 6 are front views of the two cooperating members for supporting the hook upon the card.

In the drawings 2 represents a supporting card adapted to be hung upon a suitable hanger, and to receive upon its face any desired advertising or display matter. Secured upon the face of the card by means of the prongs 4 is a cap or plate 3, the top or face of which is projected up from the card so as to leave between them sufficient space for the flanges 5 of a revolving plate 6. This plate has an upwardly projected central portion adapted to fit loosely into a central opening 7 in the top of the fixed plate or cap 3. The lateral flanges 5 spring from the bottom of the central raised portion and extend under, and work within, the top or face of the cap. The upwardly projecting central portion of the plate 6 is formed with a raised half sleeve 8 which forms a hinge bearing for the shank of the hook 9 which passes revolubly through it.

The shank of the hook is formed with a spread or flanged end 10. When the hook is in out-turned and down-turned position, as shown in Figs. 1 and 2, this flange is held flat against the plate 3 and prevents the hook from being turned in its bearing 8 and folded over against the card. To enable the hook

to be folded back for packing, however, the plate 3 is formed at one side near the bottom with an opening 11. When the plate 6 has been rotated sufficiently to bring the flange 10 of the hook over the opening 11, the opening will enable the hook to be swung back upon the card in a plane transverse thereto, as shown in Fig. 4. The plate 3 is formed with a circumferential elevation to hold the hook against its bearing sleeve 8 and prevent its working lengthwise in the sleeve.

In use, the hook, when swung out in its bearing 8 so as to bring its flattened end 10 parallel with the plate 3, may be turned in a plane parallel with the card into depending position, the flanges 5 of the revolving plate turning within the fixed plate 3, and the flattened end of the hook traveling upon the face of the plate 3. When the hook is in depending position its flattened end prevents it from being folded back against the card. When the hook is revolved to bring its flattened end over the slot 11, it may be folded back against the card, as shown in Fig. 4; but when so folded back it cannot be revolved parallel with the card because its flattened end has been turned sidewise into the slot, the sides of which form stops against such turning. Thus it will be seen that the rotatable plate 6 enables the hook to be rotated as a whole in a plane parallel with the card, while the bearing 8 enables it to be swung upon its shank in a plane transverse to the card. Thus the necessity of longitudinal sliding of the hook to bring it against the card is avoided, and it may be turned up entirely upon the face of the card so that no part shall extend below the bottom edge thereof. By the term "card" as herein used is meant any plate or other device which will support the hook in substantially the same way as a card strictly so called.

I claim:

1. A bill file comprising a card and a hook supported thereon, the hook being rotatable as a whole in a plane parallel with the card and also rotatable upon the axis of its shank in a plane transverse to the card.

2. A bill file comprising a card, a hook supported thereon so as to be rotatable in a plane parallel with the card and also in a plane transverse thereto, means holding the hook from being turned transversely to the card when in depending position, and means allowing the hook to be turned transversely



when the same is rotated parallel with the card to a certain position.

3. A device of the class described comprising a card, a plate supported upon the face thereof, a second plate rotatably supported within said first plate, a hook having swinging support in said rotatable plate, a flattened portion carried by said hook and engaging with said plate when said hook is in depending position to prevent swinging of the same, said plate being formed with an opening to receive said flattened portion and allow said hook to be turned against said card when the hook is rotated to a certain position.

4. A bill file comprising a card, a plate supported thereon so as to be rotatable in a plane parallel with the card, and a bill hook hinged upon the plate so as to swing in a plane transverse to the card.

5. A bill file comprising a card, a plate supported upon the face thereof, and a hook supported upon the plate so as to be rotatable in a plane parallel with the card and also in a

plane transverse thereto, the shank of the hook having a flattened portion to engage the plate and prevent the hook from being turned when in depending position, and the plate being formed with an opening to receive the flattened portion and permit the hook to be turned transversely when rotated upon the card so as to bring the flattened portion into alinement with the recess.

6. A bill file comprising a card, a fixed plate secured upon the face thereof and having a central opening, a revolving plate rotatably supported within the fixed plate, a hook having hinge support upon the revolving plate, and means carried by the hook and engaging the fixed plate to prevent the hook from being turned upon its hinge when in depending position.

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

EUGENE D. FALES

Witnesses:

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