Nov. 11, 1930. H. LEVY 1,781,023

NOTE HOLDING AND DISPENSING DEVICE

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Fig. 1.

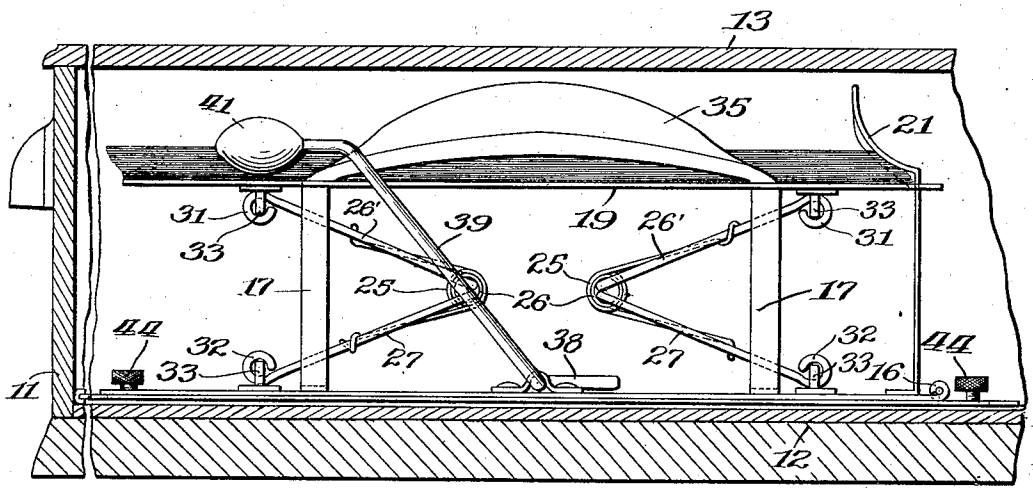
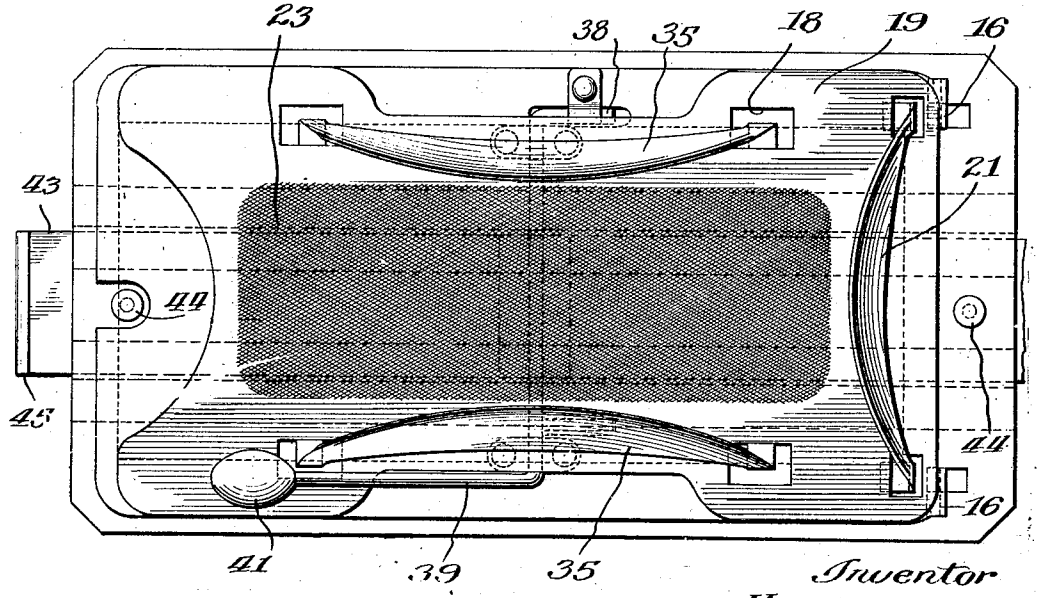


Fig. 2.



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Fig. 3.

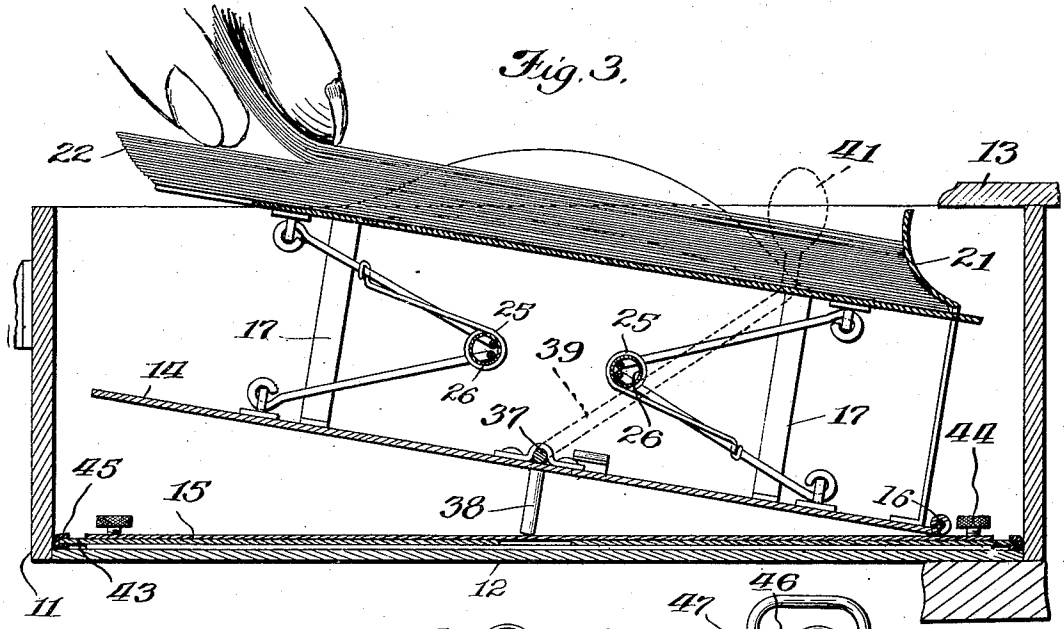


Fig. 10.

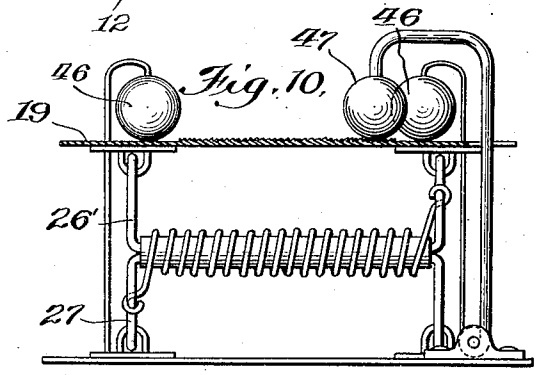
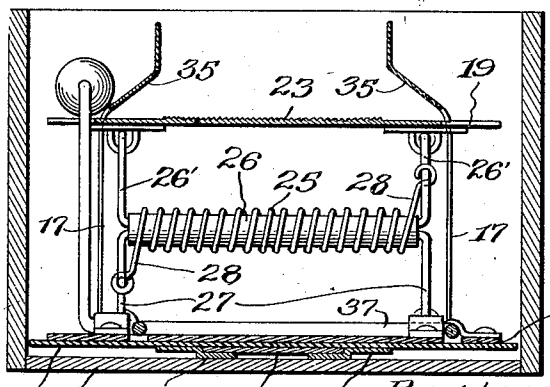


Fig. 4.



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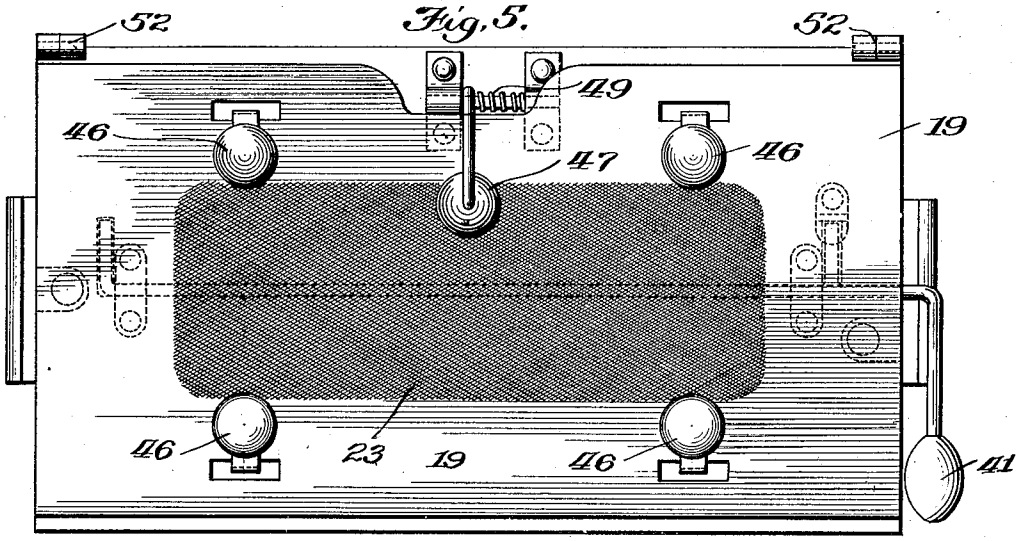
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Fig. 5.



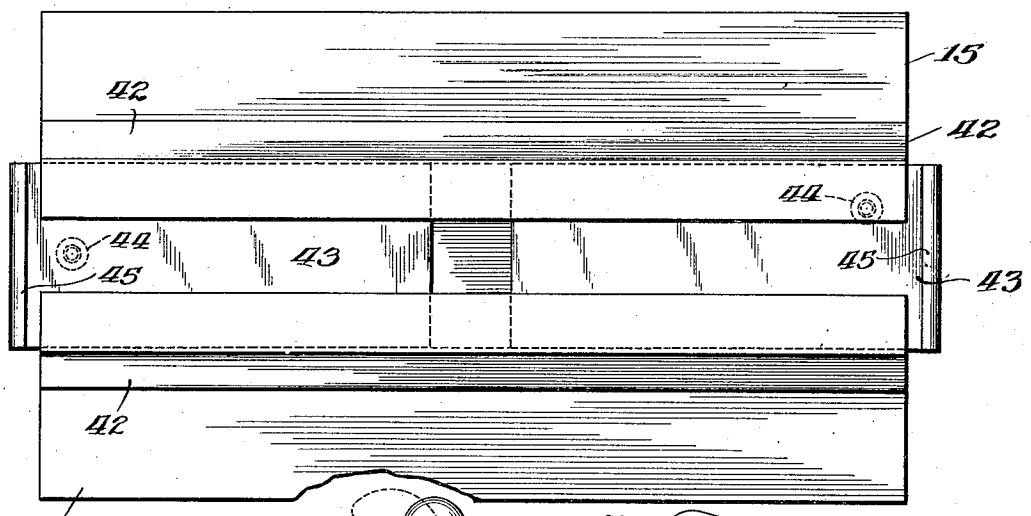


Fig. 6.

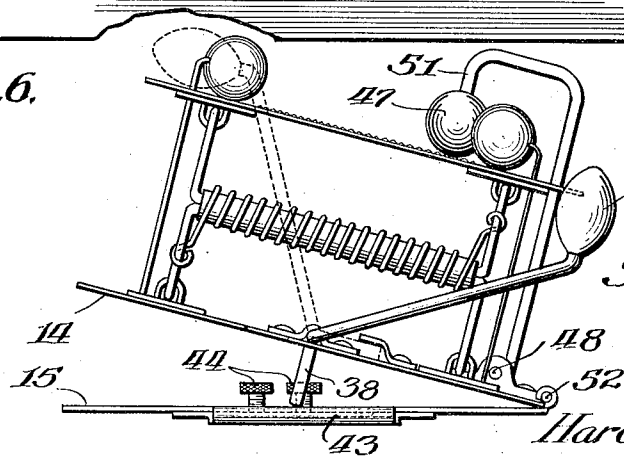


Fig. 7.

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Fig. 9.

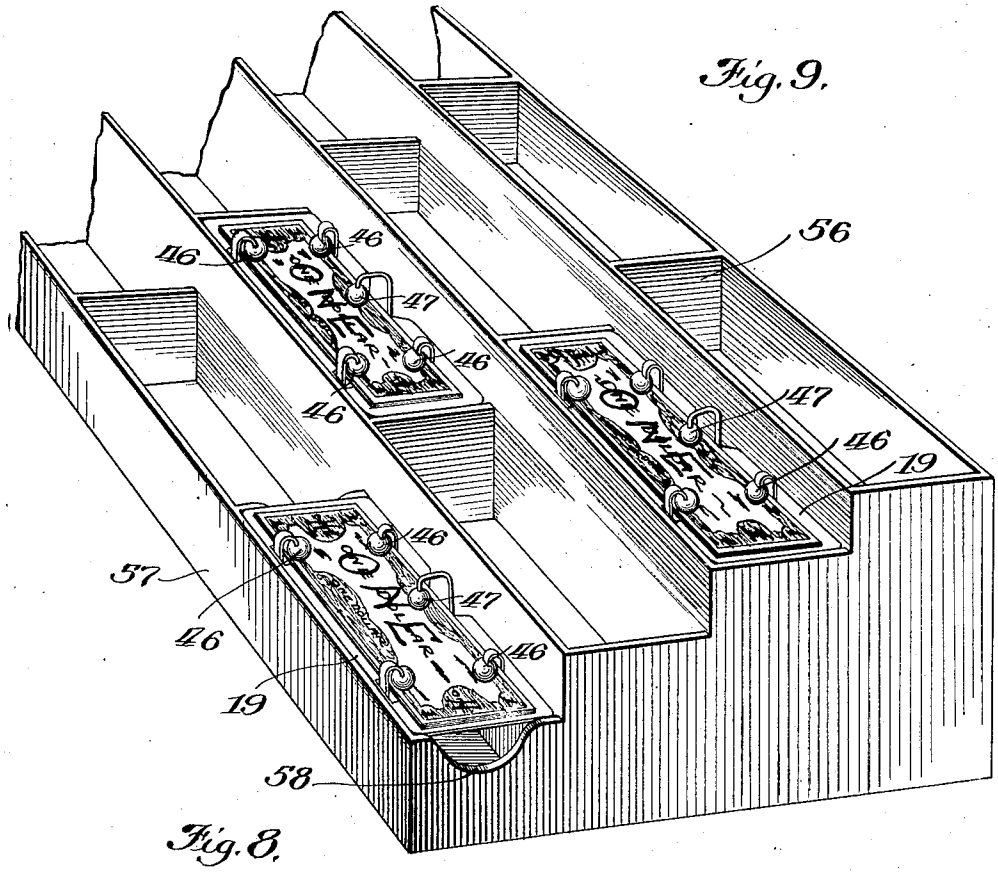
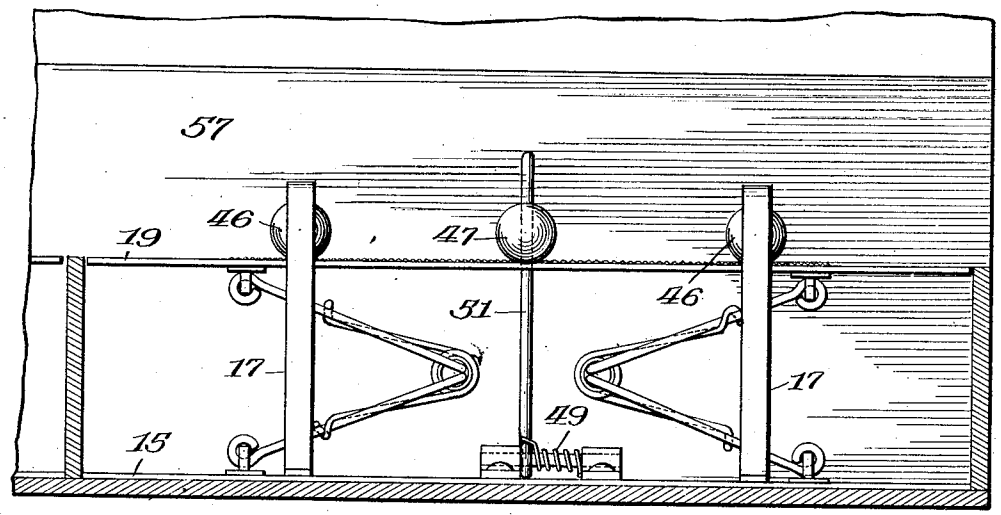


Fig. 8.



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Patented Nov. 11, 1930 1,781,023

UNITED STATES PATENT OFFICE

HAROLD LEVY, OF CHICAGO, ILLINOIS

NOTE HOLDING AND DISPENSING DEVICE

Application filed October 26, 1929. Serial No. 402,781.

This invention relates to an improved note holder and dispenser used for holding bank notes, checks, bills and the like and for facilitating the counting and dispensing thereof.

An object of this invention is the provision of a device of the character above identified which is simplified in its manner of operation, facilitating the dispensing of the notes or the like one at a time, while firmly retaining the remainder of the notes contained within the dispenser in position and holding them flat.

In the accompanying drawings,

Fig. 1 is a vertical section taken through a drawer showing my dispensing device in elevation therein;

Fig. 2 is a plan view of the dispensing device shown in Fig. 1;

Fig. 3 is a sectional view similar to Fig. 1, also showing the dispensing device in section and in its elevated position;

Fig. 4 is a cross-sectional view through substantially the central portion of Fig. 1;

Fig. 5 is a top plan view of a modified form of my invention;

Fig. 6 is a bottom view of that shown in Fig. 5;

Fig. 7 is an end elevation of that shown in Fig. 5;

Fig. 8 is a sectional view of a receptacle showing a modified form of my invention in elevation therein;

Fig. 9 is a perspective view of that shown in Fig. 8; and

Fig. 10 is a vertical section taken through substantially the central portion of Fig. 8.

My present invention is adapted to be used in combination with a receptacle or drawer 11 having a bottom 12 and a top 13. As best illustrated in Fig. 3, the base member 14 is secured to a substantially rectangular supporting member 15 by a hinge 16 at one end thereof. The base member has fixed thereon a plurality of uprights 17 which pass through openings 18 in a note-supporting plate 19 whereby the plate is slidably supported thereon. At one end of the note-supporting plate is a curved upstanding wall 21, being convex on the side adjacent the end of the notes and inclined for positioning them such that they lie in a progressively overhanging position at the free end as at 22 in Fig. 3. The upper surface of plate 19 is slightly thickened or raised and has a frictional surface 23 which materially aids in holding the notes in position and permitting the uppermost notes to be withdrawn one at a time.

The plate 19 is yieldingly held away from the base 14 by means of coil springs 25 each positioned on a tubular member 26 which surrounds horizontally extending portions of divergingly positioned arms 26′ and 27. The ends 28 of coil spring 25 engage the diverging arms 26′ and 27 for yieldingly forcing them apart. The ends of arms 26′ and 27 have hook portions 31 and 32 respectively which engage staples 33 on the plate 19 and the base 14, as clearly illustrated in Fig. 1.

The upper portions of a pair of members 17 at each side of the plate 19 have a guiding flange or bill-confining member 35 thereon which extends along the edges of the bills on the plate 19 and partially overhangs so that when the plate 19 is held upwardly the bills are pressed into engagement with the confining members 35 and securely held in position while they may be removed one at a time by taking hold of the end of one or several, as in Fig. 3, and drawing the uppermost note forwardly.

In order that the notes may be placed in a readily accessible position, I provide the base 14 with a cross-shaft 37 journalled thereon and having rearwardly extending portions 38 and an upwardly extending portion 39 which together form a bell-crank member, the lower end of which is adapted to engage the supporting member 15 and hold the base 14 in an upwardly inclined position by movement about the hinge 16, when the upper portion 39 of the bell-crank member is moved rearwardly. A suitable handle 41 of rubber fixed on the end of lever 39 is operable to move the lever to either of its extreme positions, as shown in Fig. 1 and in dotted outline in Fig. 3. An advantage of this particular type of lifting mechanism is illustrated best in Fig. 3 in which it will be noted that when closing the drawer 11, the top 13 of the drawer cabinet engages the rear side of weight 41 and throws

it forwardly into the position shown in Fig. 1, allowing the base to drop down upon the supporting member 15.

Referring to Figs. 4 and 6, the support 15 has fixed thereon guide members 42 which form a guideway for the adjustable rectangular extension members 43 which frictionally secure the note holder in the drawer 11. The extension members 43 are adjustable longitudinally and may be held in adjusted position by means of knurled thumb screws 44, which are threaded in the supporting member 15. For the purpose of increasing the frictional engagement of members 43 with the end walls of drawer 11, I have provided U-shaped friction ends 45 preferably made of rubber or the like.

In the modification of my invention shown in Figs. 5, 6 and 7, the note-confining means consists of spherical members 46 and 47 which overhang the plate 19 along the edges for holding the notes onto the plate. The member 47 positioned toward one side midway between members 46 is hingedly supported at 48 and a spring 49 provides sufficient torsion to hold the member 47 forwardly and down onto the notes in a position slightly ahead of members 46. It will be noted that the sphere 47 may be readily lifted from the notes if desired by exerting a rearward force on the overhanging supporting arm 51.

In this modification I have provided a hinge 52 at one longitudinal edge of the base for securing it to the supporting member 15 and the bell-crank elevating mechanism operates to tilt the dispenser toward one side as in Fig. 7 instead of toward one end as in Fig. 3.

Figs. 8, 9 and 10 illustrate the adaptation of my invention to a tray or container having a plurality of compartments of such size as to conveniently receive several of the dispensers therein. The construction used in this manner is substantially the same as that shown in Fig. 5, except that the elevating mechanism is dispensed with as is the supporting member 15 with its extensions, as the end walls 56 of the tray securely hold the dispensers in position and the notes may be readily removed from the upper surface without the necessity of tilting. If desired, the tray 57 may have cut-away portions as at 58 to facilitate the insertion of notes into the dispensers.

In the operation of my invention which will be understood in general from the foregoing description, it is unnecessary to carefully insert the notes one at a time and tuck the edges under the confining means. All that is required is that all the notes to be inserted be held in the operator's hands longitudinally of the plate and pressed upon the plate, depressing the plate against the action of the springs therebetween. When the pressure is released the bills are secured in place by the confining means and are automatically aligned and ready to be dispensed one at a time, as previously described.

I claim as my invention:

1. A note holder and dispenser, a base, uprights mounted on the base, a plate mounted for sliding movement on said uprights, note-confining means on said uprights, spring means for yieldingly urging said plate upwardly, a support for said base, adjustable extension means on said support for engaging within a container, hinge means securing said base to said support, and means for elevating one end of said base and retaining it in elevated position.

2. In a note holder and dispenser, a base, a note-supporting plate, means yielding urging said plate upwardly from said base, note confining means cooperating with said plate, a support for said base, a hinge securing said base to said support, a manually operable lever journalled on said base for elevating and lowering said base relative to said support on said hinge.

3. In a note holder and dispenser, a base, a note-supporting plate, means yieldingly urging said plate upwardly from said base, note engaging and confining means fixed on said base disposed above and at one edge of the notes, a support for said base, a hinge securing said base to said support, a manually operable lever journalled on said base for elevating one edge of said base relative to said support on said hinge.

4. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plate having a raised frictional note-engaging surface, and means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible.

5. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, and an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position.

6. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plates having a raised frictional note-engaging surface, an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position.

7. In a note holder and dispenser, a base,

a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plate having a raised frictional note-engaging surface, means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible, a supporting member for said base, hinge means securing one edge of said base to said supporting member, and manually operable means for moving said base on said hinge to raise one edge of the notes to an accessible position.

8. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position, a supporting member for said base, hinge means securing one edge of said base to said supporting member, and manually operable means for moving said base on said hinge to raise one edge of the notes to an accessible position.

9. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plate having a raised frictional note-engaging surface, an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position, a supporting member for said base, hinge means securing one edge of said base to said supporting member, and manually operable means for moving said base on said hinge to raise one edge of the notes to an accessible position.

10. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plate having a raised frictional note-engaging surface, and means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible, a supporting member for said base, a hinge securing one edge of said base to said supporting member, and a bell-crank lever journalled on said base, one end of said lever being adapted to engage the supporting member and space the base therefrom by tilting movement about said hinge.

11. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position, a supporting member for said base, a hinge securing one edge of said base to said supporting member, and a bell-crank lever journalled on said base, one end of said lever being adapted to engage the supporting member and space the base therefrom by tilting movement about said hinge.

12. In a note holder and dispenser, a base, a note-supporting plate having a frictional note-engaging surface, spring means for urging said plate from said base, means on said base passing through said plate for limiting upward movement of said plate relative to said base, and means for manually raising one edge of said base.

13. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, said plate having a raised frictional note-engaging surface, means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible, a supporting member for said base, hinge means securing one edge of said base to said supporting member, manually operable means for moving said base on said hinge to raise one edge of the notes to an accessible position, and adjustable extension means on said supporting member adapted to engage the end walls of a receptacle for retaining the dispenser therein.

14. In a note holder and dispenser, a base, a note-supporting plate, spring means yieldingly urging said plate upwardly from said base, note-confining means fixed on said base and disposed above said plate for engaging bills thereon, an inclined end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position, a supporting member on said base, a hinge securing one edge of said base to said supporting member, a bell-crank lever journalled on said base, one end of said lever being adapted to engage the supporting member and space the base therefrom by tilting movement about said hinge, and adjustable extension means on said supporting member adapted to engage the end walls of a receptacle for retaining the dispenser therein.

15. In a note dispenser, a base, uprights on said base, a note-supporting plate mounted for sliding movement on said uprights, inwardly convexed note-confining flanges on said uprights disposed above said plate for engaging the notes along their longitudinal

edges, means yieldingly urging said plate upwardly from said base and pressing the confining flanges against the notes, and a manually operable bell-crank lever adapted to tilt said base.

16. In a note dispenser, a base, uprights on said base, a note-supporting plate mounted for sliding movement on said uprights, inwardly convexed note-confining flanges on said uprights disposed above said plate for engaging the notes along their longitudinal edges, means yieldingly urging said plate upwardly from said base and pressing the confining flanges against the notes, said plate having a raised frictional note-engaging surface and means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible.

17. In a note dispenser, a base, uprights on said base, a note-supporting plate mounted for sliding movement on said uprights, inwardly convexed note-confining flanges on said uprights disposed above said plate for engaging the notes along their longitudinal edges, means yieldingly urging said plate upwardly from said base and pressing the confining flanges against the notes, and an end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position.

18. In a note dispenser, a base, uprights on said base, a note-supporting plate mounted for sliding movement on said uprights, inwardly convexed note-confining flanges on said uprights disposed above said plate for engaging the notes along their longitudinal edges, means yieldingly urging said plate upwardly from said base and pressing the confining flanges against the notes, said plate having a raised frictional note-engaging surface, means at one end of said note-supporting plate for abutting one end of the notes and positioning them to be readily accessible, a supporting member for said base, a hinge securing one edge of said base to said supporting member, and a bell-crank lever journalled on said base, one end of said lever being adapted to engage the supporting member and space the base therefrom by tilting movement about said hinge.

19. In a note dispenser, a base, uprights on said base, a note-supporting plate mounted for sliding movement on said uprights, inwardly convexed note-confining flanges on said uprights disposed above said plate for engaging the notes along their longitudinal edges, means yieldingly urging said plate upwardly from said base and pressing the confining flanges against the notes, an end wall disposed above said plate, being convex on the side adjacent the notes for abutment with the notes to hold them in a progressively overhanging position, a supporting member for said base, hinge means securing one edge of said base to said supporting member, a bell-crank lever journalled on said base, one end of said lever being adapted to engage the supporting member for spacing it from the base by tilting the base about said hinge, and adjustable extension means on said supporting member adapted to engage the end walls of a receptacle for retaining the dispenser therein.

In witness whereof, I hereunto subscribe my name this 11th day of October, 1929.

HAROLD LEVY.