

Dec. 6, 1932.

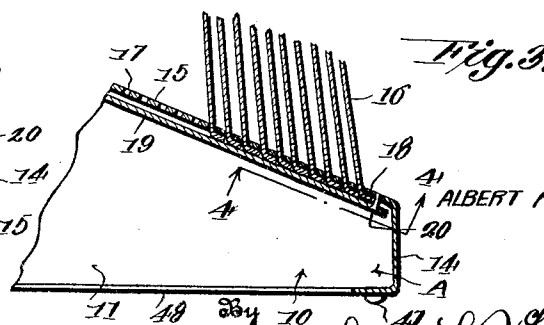
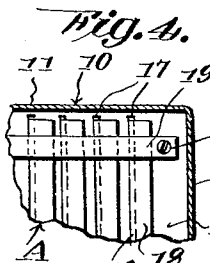
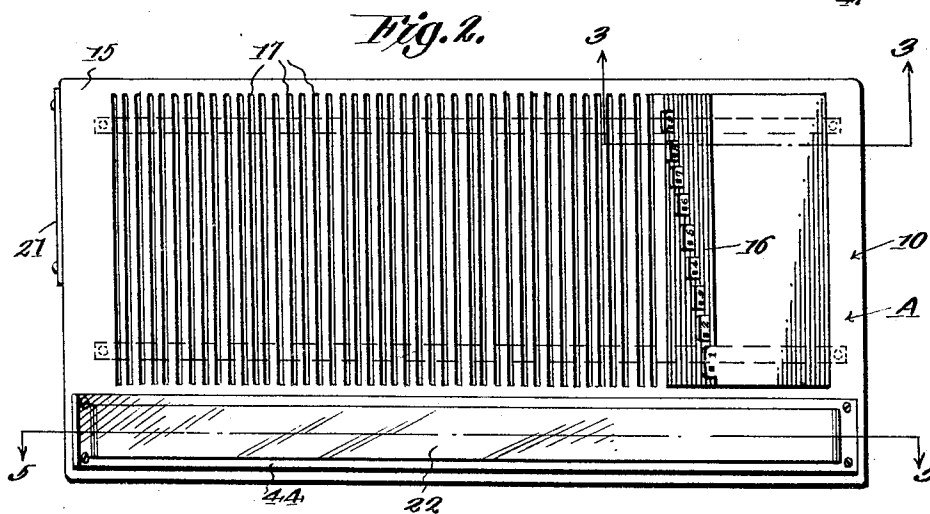
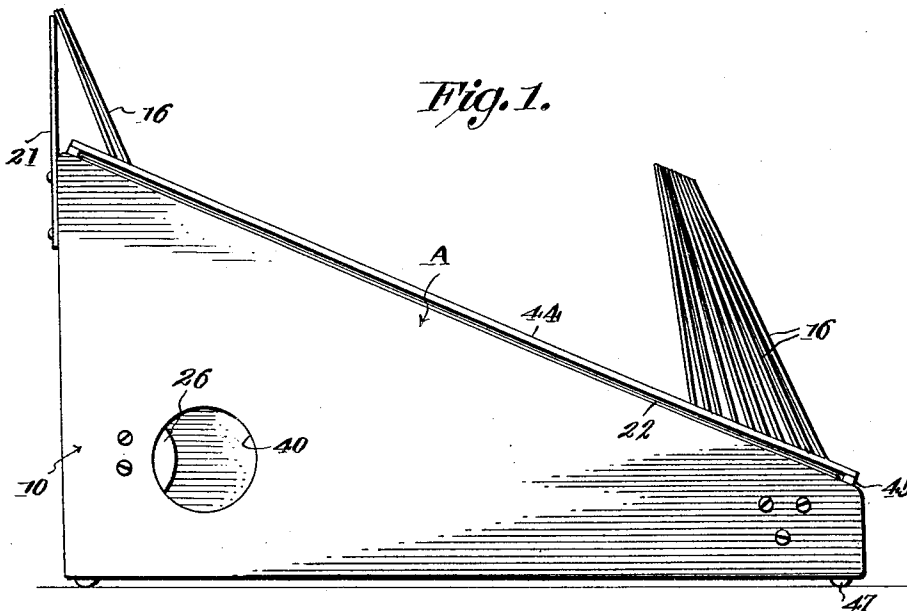
A. M. HUNTER

1,890,182

INTEREST CALCULATING DEVICE

Filed Feb. 27, 1930

2 Sheets-Sheet 1



Inventor
ALBERT M. HUNTER

By *Irving S. Cathran.*
Attorney

Dec. 6, 1932.

A. M. HUNTER

1,890,182

INTEREST CALCULATING DEVICE

Filed Feb. 27, 1930

2 Sheets-Sheet 2

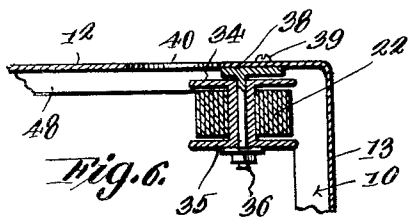


Fig. 6.

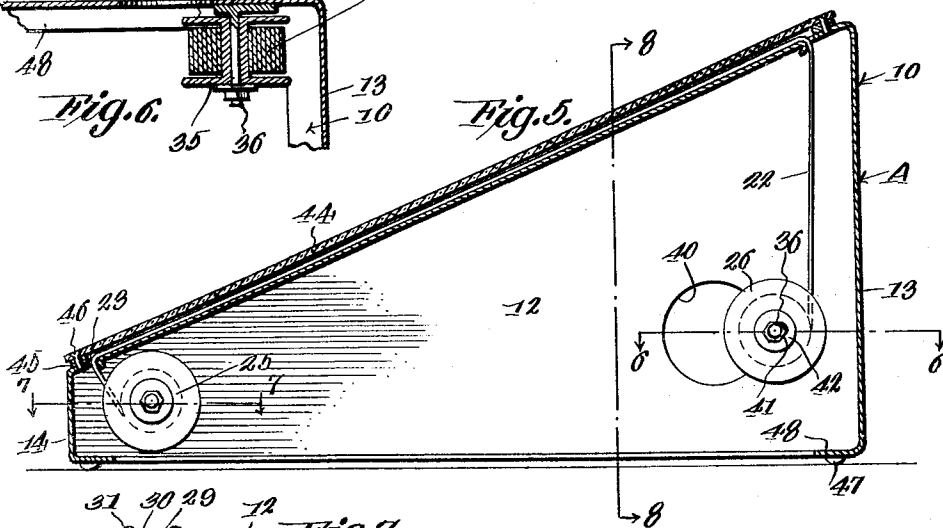


Fig. 5.

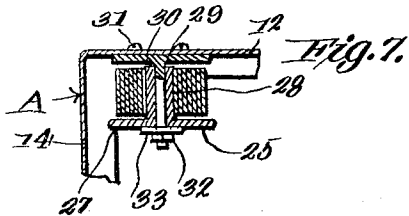


Fig. 7.

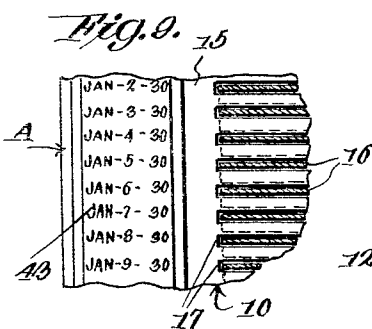


Fig. 9.

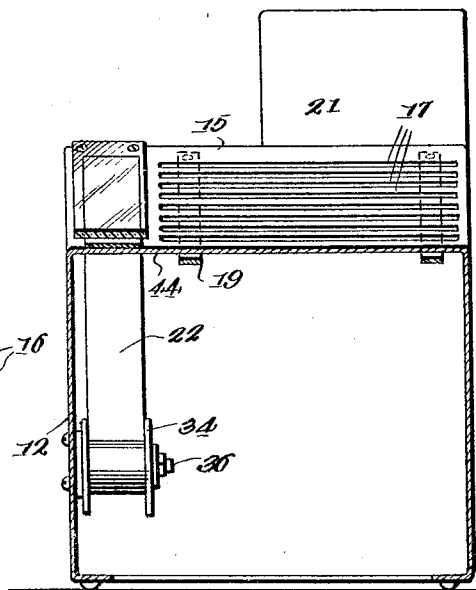


Fig. 8.

Inventor
ALBERT M. HUNTER

By *Irving S. McCallum*
Attorney

UNITED STATES PATENT OFFICE

ALBERT M. HUNTER, OF PHILADELPHIA, PENNSYLVANIA

INTEREST CALCULATING DEVICE

Application filed February 27, 1930. Serial No. 431,863.

This invention appertains to calculating devices for banks and other commercial houses and has for one of its primary objects to provide novel means for supporting interest table bearing cards in displaying position and in proper position relative to a changeable date strip, whereby the interest of any amount between two selected periods of time may be readily determined, the movable date strip allowing the current day date to be brought into view and in alignment with the first interest table bearing card.

Another salient object of my invention is the provision of novel means for maintaining the interest table bearing cards in proper displaying position whereby any one of the cards can be readily exposed so as to permit the ready reading of the tables thereon.

A further object of my invention is the provision of novel means for supporting the date strip or ribbon along side of the interest table bearing cards, the ends of the date strip or ribbon being wound upon suitable reels or spools with means for permitting the turning of the winding spool so that the date strip or ribbon can be advanced day by day.

A still further object of my invention is to provide an improved interest calculating device for banks and other commercial houses of the above character, which will be durable and efficient in use, one that will be simple and easy to manufacture, and one which can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed, and illustrated in the accompanying drawings, in which drawings:—

Figure 1 is a side elevation of my improved device.

Figure 2 is a top plan view of the same.

Figure 3 is a fragmentary longitudinal section through the device taken on the line 3—3 of Figure 2 looking in the direction of

the arrows, illustrating the means for holding the interest table bearing cards in position.

Figure 4 is a detail fragmentary section taken at right angles to Figure 3 on the line 4—4 of Figure 3 looking in the direction of the arrows illustrating the means of holding the cards in position.

Figure 5 is a longitudinal section through the improved device taken on the line 5—5 of Figure 2 looking in the direction of the arrows showing the means of mounting the date ribbon in place.

Figure 6 is a fragmentary detail horizontal section taken on the line 6—6 of Figure 5 looking in the direction of the arrows showing the means of mounting the rear winding spool for the date ribbon.

Figure 7 is a detail fragmentary horizontal section taken on the line 7—7 of Figure 5 looking in the direction of the arrows, illustrating the means of mounting the forward spool for the interest bearing ribbon.

Figure 8 is a transverse sectional view taken on the line 8—8 of Figure 5 looking in the direction of the arrows, and

Figure 9 is an enlarged fragmentary plan view illustrating the relative arrangement of the dates on the date or calendar ribbon relative to the interest table bearing cards.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A generally indicates my improved device which comprises a casing 10 preferably, but not necessarily, formed of sheet metal suitably painted or otherwise treated to present an ornamental and attractive appearance. This casing 10 embodies the side triangular shaped side walls 11 and 12, the rear wall 13, the front relatively short wall 14, and the top wall 15. It is to be noted that the top wall 15 inclines downwardly and forwardly from the rear wall 13 to the front wall 14, so that the interest table bearing

cards 16, which will be hereinafter more specifically referred to, can be readily displayed.

The top wall 15 is provided with a plurality of equidistantly spaced transversely extending slots 17 and it is to be noted that these slots terminate short of one side of the casing, for a purpose, which will be later described.

The interest table bearing cards 16 are preferably formed from durable material and are of substantially the same length as the slots 17 and have formed on their lower ends laterally extending hinged tabs 18. The cards 16 are adapted to be placed through the slots 17 with the tabs 18 in engagement with the lower face of the top wall 15. Any preferred means can be provided for engaging the tabs to hold the same securely in place to prevent the accidental displacement of the cards 16. As shown, I provide longitudinally extending holding strips 19 for this purpose. The strips 19 extend longitudinally of the casing adjacent to the opposite sides of the cards 16 in abutting relation to said tabs 18 and are securely held in place by the use of suitable fastening elements such as screws 20.

By this construction, it can be seen that the cards can be swung backwards or forward so as to expose to view the face of a desired card. If preferred, the rear wall 13 can have secured thereto an upstanding back plate 21 against which the rear card can rest so as to form a support for the same.

The space on the top wall 15 between the ends of the slots 17 and the side wall 12 receives the run of the date or calendar ribbon 22, which is to be exposed to view and it is to be noted that the top wall 15 adjacent to the opposite ends thereof is provided with short slots 23 through which the ribbon is threaded. The walls of the slots 23 are preferably rounded as at 24 so as to form a guide for the ribbon to prevent binding and cutting thereof. The opposite ends of the ribbon are wound about suitable spools 25 and 26 respectively. The spool 25 may comprise a disc shaped end plate 27 and an axially disposed hub 28 which is mounted on the stub shaft 29 carried by a supporting disc 30. This disc 30 is secured by the use of suitable fastening elements 31 to the side wall 12. The inner end of the stub shaft 20 may have threaded thereon a suitable holding nut 32 and a washer 33 for holding the spool in proper rotative position on the stub shaft.

The rear winding spool 26 may comprise end discs 34 connected together by the axial hub 35 which is rotatably mounted on the rear stub shaft 36. This rear stub shaft 36 may be carried by a bracket 38 secured by suitable fastening elements 39 to the side wall 12. Normally the date strip is unwound from the reel 25 and is wound up on the reel 26 and in order to permit the manual

turning of the reel 26 to wind up the date strip or ribbon 22 thereon, a hand opening 40 is formed in the side wall 12 adjacent to the reel and it is obvious that the fingers of the operator can readily be inserted in said opening for turning this reel 26. The reel may be removably held on its stub shaft 36 by the use of a suitable nut 41 and a washer 42 may be interposed between the nut and reel to permit the turning thereof without binding.

In accordance with my invention the date or calendar ribbon 22 bears the names of the months of the year and the day of each month, a transverse space 43 being provided for each day. This date strip or ribbon 22 is so formed that the day spaces 43 thereon will be directly opposite one of the interest table bearing cards 16 and thus a separate interest table bearing card is provided for each day space.

In order to permit an understanding of the use of my device to be had, it is to be understood that the first card bears an interest table giving the rate of interest for one day for any amount say from one dollar to three hundred dollars while the second card gives the interest for two days for any amount say from one dollar to three hundred dollars and the third card the interest for three days, etc. Thus the calendar or date strip is adapted to be advanced day by day so that the current date will be in alignment with the first card, so that the interest from the current day back to any desired date or number of days can be readily found. Preferably, but not necessarily, I provide separate day cards for sixty days and in rear of these days cards I can provide interest table bearing cards for three months, four months, five months, etc.

In order to protect the run of the date ribbon 22 I can provide a transparent glass or celluloid plate 44 held in slightly spaced relation to the strip by means of metal spacing strips 45, suitable fastening elements 46 can extend through the transparent plate 44, the spacer plates 45 and into the top wall 15.

From the above description, it can be seen that I have provided a novel device for supporting interest bearing table cards in proper displaying position with novel means for facilitating the use of such cards.

If desired, the lower end of the casing can be left open and provided with suitable cushion feet 47, and the side, and front and rear walls can be flanged inwardly as at 48 for supporting said feet.

Changes in details may be made without departing from the spirit or the scope of this invention, but:—

What I claim as new is:

A device of the character described comprising a casing having an upper wall formed with a plurality of transversely extending slots, cards extending through said slots and

projecting above the upper wall, each card
being bent adjacent its lower end to form an
angularly disposed tab, all of the tabs extend-
ing in the same direction and bearing against
the under face of the upper wall between the
5 slots, rigid strips releasably secured at their
ends near the respective ends of the upper
wall and extending longitudinally thereof
across the slots and engaging under faces of
the tabs whereby all of the tabs will be firmly
10 clamped in engagement with the under face
of the upper wall and the cards firmly held
in place but permitted to be individually re-
moved by loosening the strips.

15 In testimony whereof I affix my signature.

ALBERT M. HUNTER.

20

25

30

35

40

45

50

55

60

65