June 9, 1925. 1,541,102

H. S. BOWMAN

CALENDAR

Filed April 10, 1925

Fig. 1.

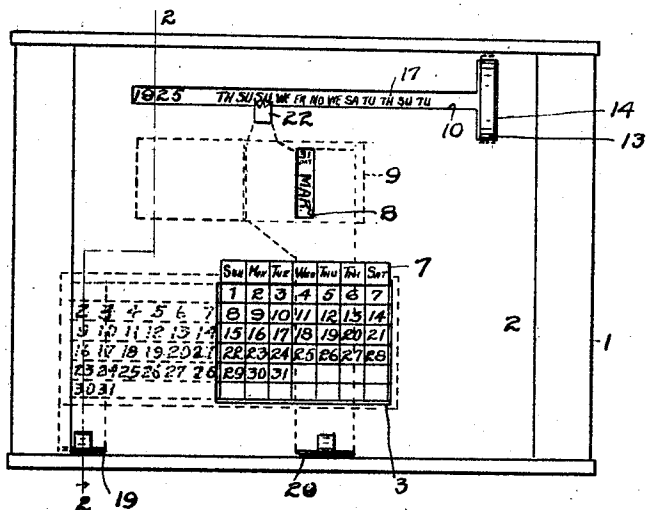
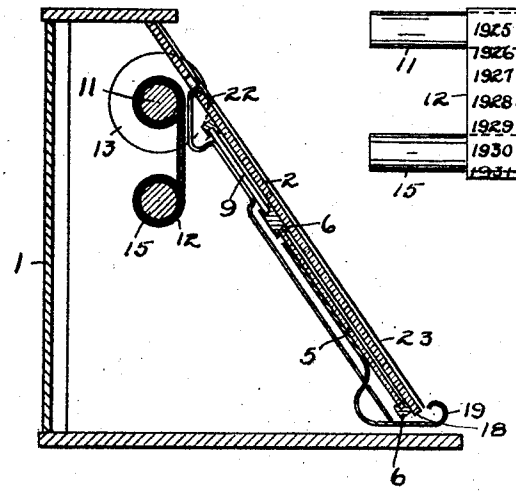


Fig. 2.



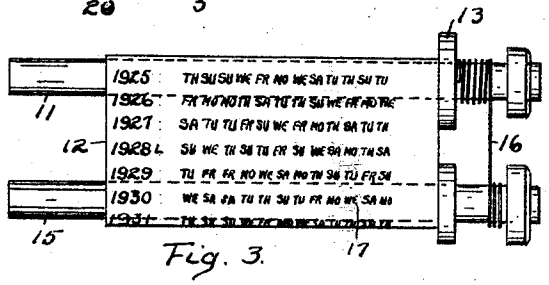


Fig. 3.

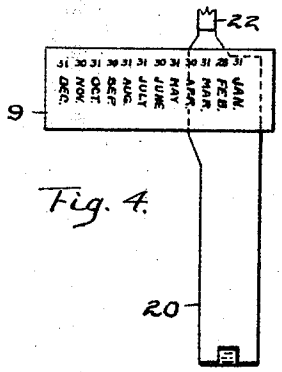


Fig. 4.

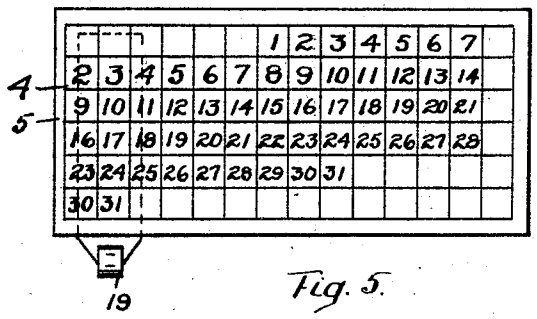


Fig. 5.

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UNITED STATES PATENT OFFICE.

HERBERT SCOTT BOWMAN, OF ST. JOE, INDIANA.

CALENDAR.

Application filed April 10, 1925. Serial No. 22,233.

To all whom it may concern:

Be it known that I, HERBERT SCOTT BOWMAN, a citizen of the United States, residing at St. Joe, in the county of De Kalb and State of Indiana, have invented new and useful Improvements in Calendars, of which the following is a specification.

The invention relates to calendars. Its object is to provide a novel form of calendar which is perpetual in its nature and which is operable to automatically indicate the day of the week upon which any selected day of any year falls.

The invention consists of the novel combination and arrangement of parts illustrated in the accompanying drawings in which—

Figure 1 is a front elevational view of the calendar; Fig. 2 a cross-section on line 2—2 of Fig. 1; Fig. 3 an elevational view of a fraction of the week day indicating chart and operating mechanism; Fig. 4 an elevational view of the month indicating chart and day indicator mechanism, and Fig. 5 an elevational view of the month table.

Referring to the illustrative embodiment of the invention, 1 represents a suitable case, the front 2 of which is preferably inclined and has formed therein an opening 3 of sufficient size to afford vision therethrough of the table 4 of the days of a month formed on a slide or plate 5 slidably mounted in the slides 6 suitably fixed within the case. Above this opening at 7 the days of the week are imprinted or otherwise shown upon the front, the names being spaced transversely in accordance with the transverse spacing of the vertical rows of the figures on the table 4. A vertical slot 8 is also formed in the front behind which is slidably mounted a slide or plate 9 upon which the names of the months are imprinted or otherwise shown in sequence, the slot being of a width sufficient to expose any one of the names of the months on the plate 9.

A horizontal slot 10 is formed in the front above the slot 8 behind which is a revolubly mounted roller 11 to which is attached one end of a chart 12. A hand wheel or disk 13 is secured to the roller and projects forwardly through a slot 14 formed in the front 2 by which the roller may be rotated. The other end of the chart is secured to a second roller 15 revolubly mounted in the case and the two rollers are operatively connected by the belt or cord 16 so that the chart may be wound from one roller upon the other for exposing any one of the horizontal rows of indicia 17 imprinted or otherwise formed on the chart.

Each row of imprinted matter on the chart 12 comprises numerals, representing a year, and twelve names of the week days representing respectively the days of the week upon which the first days of the month of that year fall. The columns of names of the week days are spaced apart transversely in accordance with the spacing of the names of the months on the plate 9. Any number of years may be provided for on the chart.

A slot 18 is formed in the lower portion of the front 2 through which project the ends of two bars 19 and 20 suitably formed at their outer ends for convenient manipulation. The inner end of the bar 19 is bent upwardly and attached to or it is a part of the slide 5. The slide may be moved to the right or left by the bar in order to position the figure 1 of the table under the correct day in the heading 7. The bar 20 is similarly connected to or it is part of the plate or slide 9 and serves as a means for moving the said slide to the right or left to expose the desired month. A pointer 22 is secured to or it may be a part of the slide 9 and projects upwardly and outwardly through the slot 10. It is so positioned on the slide 9 that it will register with the exposed indicia in the column on the chart for the month exposed through the slot 8, it being evident that the first column of letters on the left of the chart indicates the days of the week upon which the first day of January in each year falls, the second column being for February, the third for March, etc.

The figures on the table slide 5 are so arranged in columns and rows that a complete month will be exposed through the opening 3 no matter on which day of the week the first day of any month falls.

Preferably a transparency 23, such as glass or celluloid, is fixed in the case to cover the front side with the exception of the slot 18. The outer faces of the slides and the chart are thereby maintained in clean condition.

To operate the calendar the rollers are operated to cause the selected year on the chart to be exposed through the slot 10. The slide

9 is then moved in proper direction until the name of the selected month appears behind the slot 8. Since the pointer is carried with this slide it, at the same time, is caused to register with the name of the first day of that selected month appearing on the chart through the slot 10. The slide 5 is then moved in proper direction until the numeral "1" registers with the same day of the week found in the row 7. The calendar is now set for the month. If the user desires to learn on what day of the week any future date during that year falls he adjusts the month indicating slide to the proper month, notes the first day of that month on the chart as indicated by the pointer and sets the table slide accordingly. The date is then found on the table and the week day read in the row 7. If the date is in any other year, within the limits of the chart, he first sets the chart to that year and then follows the procedure just described. The calendar, therefore, is not only for current use but is usable not only for a long period of years, but also to determine future or past dates when the week days are known, or future or past week days when the dates are known.

It is apparent that various means and methods of operating the chart and the slides may be used, the means therefore described and illustrated being illustrative only.

What I claim is:

1. A calendar comprising a case having a plurality of openings in its front side, a table of numbers representing days movably mounted behind one of the openings, a month indicating member movably mounted behind another of said openings, a chart movably mounted behind another of said openings and having thereon a column of figures representing a plurality of years and a plurality of columns of indicia representing the days of a week, one column for each month of a year, each indicia of a horizontal row representing the week day name of the first day of the column month of the year designated in said row, and a pointer carried by the month indicating member and cooperating with the chart to automatically indicate the week day name of the first day of any month and year as determined by the chart and the month indicating member.

2. A calendar comprising a case having a plurality of openings in one of its sides, a pair of rollers revolubly mounted rearwardly of one of the openings, a chart secured at its opposite ends to the rollers respectively, the chart having thereon a column of numerals designating a plurality of years, and also a plurality of columns of indicia designating the names of the days of a week, one column for each month of a year, the indicia in the horizontal row with any year designating the week day names of the first days of the months of that year, means to rotate the rollers in either direction to cause a selected row of year and week day indicia to be exposed through said opening, a movable slide having thereon the names of the months of a year in consecutive order adapted to be selectively exposed through another of said openings, a pointer responsive to the movement of the slide to indicate the week day name on the chart of the selected month and year, the names of the week days being formed on the said slide in order and above another of said openings, and a movable slide having thereon a table of numerals arranged in columns and horizontal rows and representing the days of the months, the latter slide being rearwardly of the latter opening and adapted to be moved to cause a full month of numerals to be exposed through said opening when the numeral one thereof is positioned in register with the name of the week day above said opening corresponding to the week day indicated by the pointer.

In witness whereof I have hereunto set my hand this 14th day of March, 1925.

HERBERT SCOTT BOWMAN.