R. C. SELLERS.

CALENDAR.

APPLICATION FILED OCT. 20, 1915.

1,219,173.

Patented Mar. 13, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

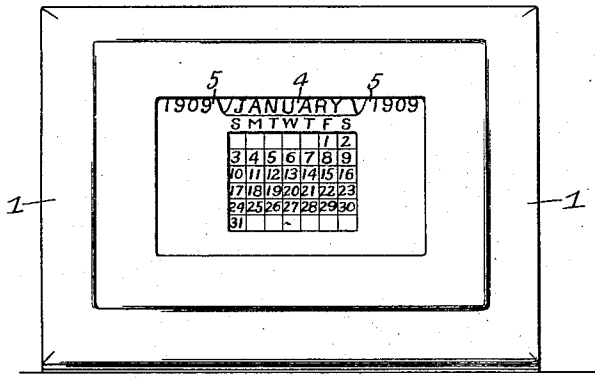


Fig. 2.

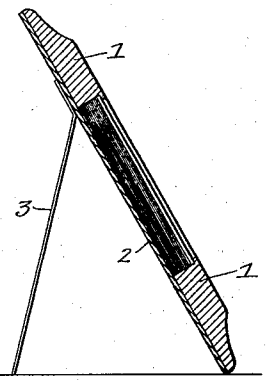


Fig. 3.

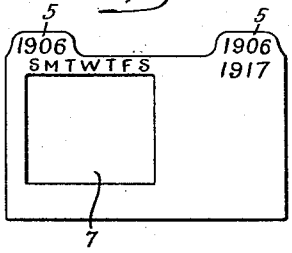


Fig. 4.

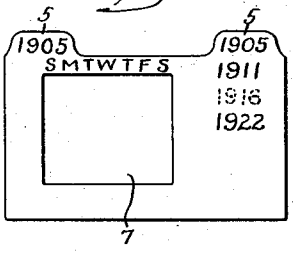


Fig. 5.

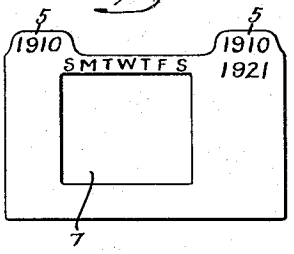


Fig. 6.

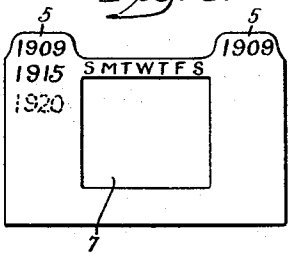


Fig. 7.

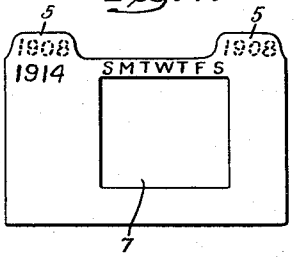


Fig. 8.

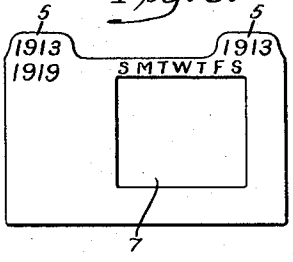
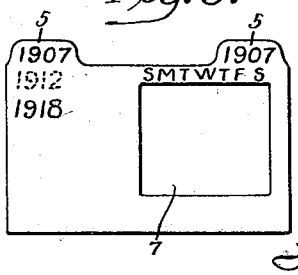


Fig. 9.



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2 SHEETS—SHEET 2.

Fig. 10.

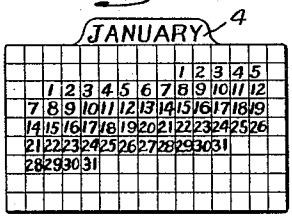


Fig. 11.

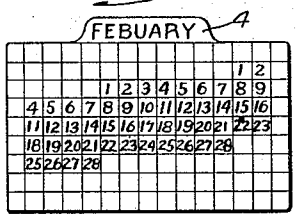


Fig. 12.

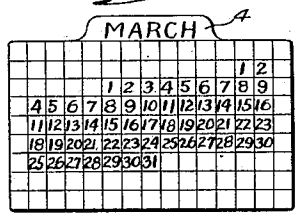


Fig. 13.

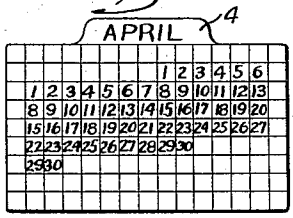


Fig. 14.

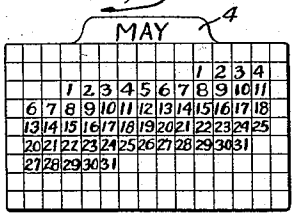


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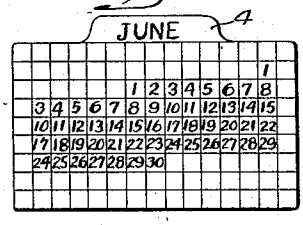


Fig. 16.

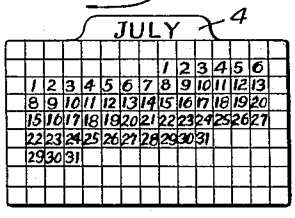


Fig. 17.

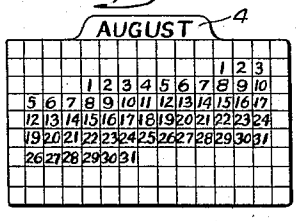


Fig. 18.

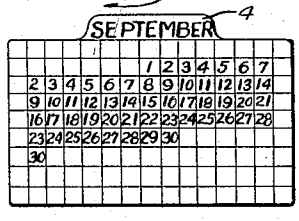


Fig. 19.

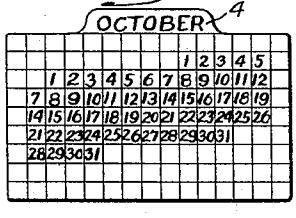


Fig. 20.

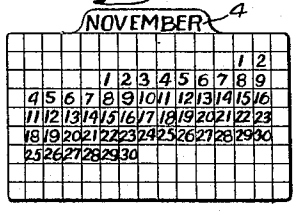


Fig. 21.

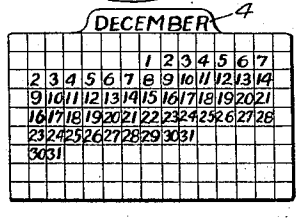


Fig. 22.

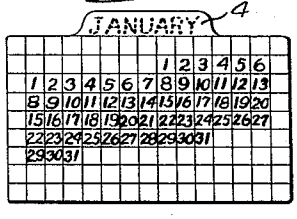
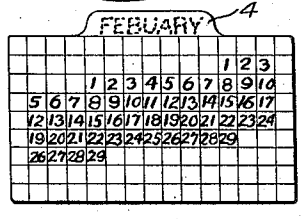


Fig. 23.



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RICHARD C. SELLERS, OF SWARTHMORE, PENNSYLVANIA.

CALENDAR.

1,219,173. Specification of Letters Patent. Patented Mar. 13, 1917.

Application filed October 20, 1915. Serial No. 56,938.

To all whom it may concern:

Be it known that I, RICHARD C. SELLERS, a citizen of the United States, residing in Swarthmore, Delaware county, State of Pennsylvania, have invented a Calendar, of which the following is a specification.

One object of my invention is to provide a relatively simple and convenient form of perpetual calendar particularly adapted for though by no means confined to, use on a desk;—the arrangement of parts being such that in addition to a holder there shall be provided a series of month cards and a second series of year cards designed for use with said month cards to display the dates of the days of any month in any particular year.

I further desire to provide a calendar which in addition to the above features shall have its two series of cards so constructed and marked as to properly display the names and figures necessary to indicate the days of the week, the months and the years.

These objects and other advantageous ends I secure as hereinafter set forth, reference being had to the accompanying drawings, in which,

Figures 1 and 2 are respectively a front elevation and a vertical section of a calendar constructed according to my invention;

Figs. 3 to 9 inclusive are elevations of the year cards forming part of my calendar; and

Figs. 10 to 23 inclusive are elevations of the month cards designed to be used in connection with the holding frame and the year cards.

In the above drawings 1 represents a rectangular or other suitably formed frame which may be of any suitable construction having a cavity for the reception and positioning of month and year cards and including a conveniently removable back 2 whereby access may be had to the cards for the purpose of changing their relative positions. In the case shown the frame with its back is held in a position slightly inclined from the vertical by means of a supporting member 3, and the card cavity is substantially rectangular in outline so that the year as well as the month cards will more or less closely fit within it.

As shown in Figs. 10 to 23 the month cards have six horizontal rows of figures, each containing from one to thirteen figures, with the exception of the top and bottom rows which never contain more than seven. In each row the numbers increase consecutively by one from left to right and the figures are so arranged that any one immediately under or over any other figure differs from it by seven. The first row of figures always begins by the numeral 1 as does also the second row except in case it extends to the extreme allowable left hand limit, when it begins with the numeral 2. It should be noted that there is provided a card for each month in the year and two extra cards, one for January and one for February (Figs. 22 and 23) for use in place of the normal month cards (Figs. 10 and 11) during any leap year.

All of these month cards fit into and are held in position by the frame 1 and that particular month card which it is desired to display is overlaid by a suitable one of the year cards, which is of the same general dimensions and likewise fits the frame 1 so as to be immovably held thereby. Each of the month cards has projecting from its upper edge a tab or ear 4 on which is displayed the name of the month to which its particular arrangement of numerals is suited and in the case shown these tabs extend from the middle of the top of each card.

The year cards on the other hand have tabs 5 projecting from the ends of their upper edges and display numerals indicating the year for which they are primarily adapted, although as shown, each of said cards has also displayed upon it numerals indicating certain other years for which it is likewise adapted. Moreover each of these year cards has formed in it a rectangular opening whose length is equal to the length occupied on one of the month cards for seven consecutive numerals of one of its rows and the height of the opening 7 is equal to the combined vertical width of six of said rows.

Each of the seven year cards devised by me has its opening in one of seven possible positions, each of which is displayed to the right or left of the one nearest it by a distance equal to the horizontal width of one of the numeral spaces of the month cards. For example, the year card shown in Fig. 4 has its opening 7 displaced to the right of the position occupied by the opening in the year card shown in Fig. 3, a distance equal to the width of one vertical column of figures on the month cards, and similarly the

openings in the year cards shown in Figs. 5 to 9 inclusive are progressively displaced one space farther toward the right.

Having once prepared a set of month cards with rows of numerals arranged as shown in accordance with a law with which this invention is not concerned, the year cards may be successively applied to any one of said cards and thereafter marked with those year indicating numerals for which the particular set of numerals exposed, gives the correct dates to the various days, it being noted that each year card immediately over its particular opening 7 is provided with a line of seven initials or other day-designating symbols in line with the seven vertical columns of figures visible through said opening and belonging to the set of figures on a month card mounted under it, in order to indicate the days of the week.

For example, as shown in Fig. 6, the year card for 1909 if placed in the frame 1 over any one of the month cards shown in Figs. 10 to 21 inclusive, will permit certain numerals on said card to be displayed through its opening such as will indicate the proper dates of the days of the week for that particular month and year. The same card will also give correct readings for an indefinite number of other years of which two in the particular case indicated are 1915 and 1920. Since 1920 is a leap year it, as well as any other year card bearing numerals indicating leap years, must in order to give correct dates, be used with special leap year month cards for the months of January and February, illustrated in Figs. 22 and 23, in place of those shown in Figs. 10 and 11.

When the package of month cards with the one which it is desired to display uppermost, is placed in the frame 1 immediately back of the proper year card, the tab 4 bearing the name of the month is displayed between the two tabs 5 of the card bearing the primary numerals for the year, so that said numerals and month numerals are displayed in the same line as shown in Fig. 1. It will of course be understood that the front opening in the frame is of sufficient width to permit the figures of any month card to be visible through the opening 7 of any year card regardless of the particular one of said cards used and the height of said frame opening is at least sufficient to permit the display of the numerals on the year and month cards respectively. The frame 1 is so designed as to accommodate all of the extra year cards as well as all of the month cards not in use at any time, although said extra cards may be otherwise accommodated without departing from my invention.

I claim:—

1. The combination in a calendar of a series of month cards each having rows of consecutive figures representing the dates of the days of the month, certain of said rows including more than seven figures; with a year card designed to fit over any one of said month cards and having an opening placed to display only those figures of one month card required to indicate the dates of the days of the month designated on said card in the year designated on said year card.

2. The combination in a calendar of a series of month cards each having rows of consecutive figures representing the dates of the days of a month; with a series of year cards each designed to fit over any of said month cards and respectively having definitely placed openings positioned to display only those figures of any month card which are required to properly indicate the dates of the days of the month designated on that particular card in the year designated on the year card used.

3. The combination in a calendar of a series of month cards each having rows of from one to thirteen consecutive figures; any figure in any row being seven more or less than the figure immediately above or below it; a series of year cards designed to fit over any of the month cards and each having an opening whose length is equal to the length occupied by seven figures of any row on the month cards and whose width is at least equal to the combined height of the rows of figures on any month card.

4. The combination in a calendar of a series of month cards each having consecutive rows of figures indicating the dates of the days of the month; a series of year cards each designed to fit over any of said month cards and each having an opening placed to display only those figures of any month card which are required to correctly indicate the dates of the days of the month designated on said card in the year designated on the particular year card used, the openings of said year cards being differently positioned with reference to any one of the month cards.

5. The combination in a calendar of a series of month cards each having six rows of figures representing the dates of the days of the month; with seven year cards each designed to fit over any of said month cards and each having an opening whose length is at least equal to that occupied by seven consecutive figures in one row.

6. The combination in a calendar of at least twelve month cards each having six rows of figures thereon representing the dates of the days of the month; with seven year cards respectively having definitely placed openings positioned to display only those figures of any month card which are required to properly indicate the date of the days of the month designated on that card in the year designated by the year card.

7. The combination in a calendar of a series of month cards containing rows of figures designating dates of the days of the month and each provided with a tab bearing the name of its month; a series of year cards each having at least one projecting tab positioned adjacent the tabs of the month cards and bearing figures indicating a certain year, each of the year cards having an opening; with a frame formed to retain any one of the year cards in a position over one of the month cards to display the figures of the latter through its opening.

8. The combination in a calendar of a frame having an opening; a series of year cards each having an opening and designed to fit into said frame, each card having at least one set of numerals thereon designating the year; a series of month cards each bearing the name of a month and also fitting said frame in position to display said name, there being on each month card a plurality of rows of figures indicating the dates of days of the month placed to be visible through the openings of the year cards.

9. The combination in a calendar of a series of twelve regular and two leap-year month cards each having rows of figures representing the dates of the days of the month; with seven year cards each designed to fit over any of said month cards and each having an opening placed to display sufficient of the figures on any month card to indicate the dates of the days of that month.

RICHARD C. SELLERS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."