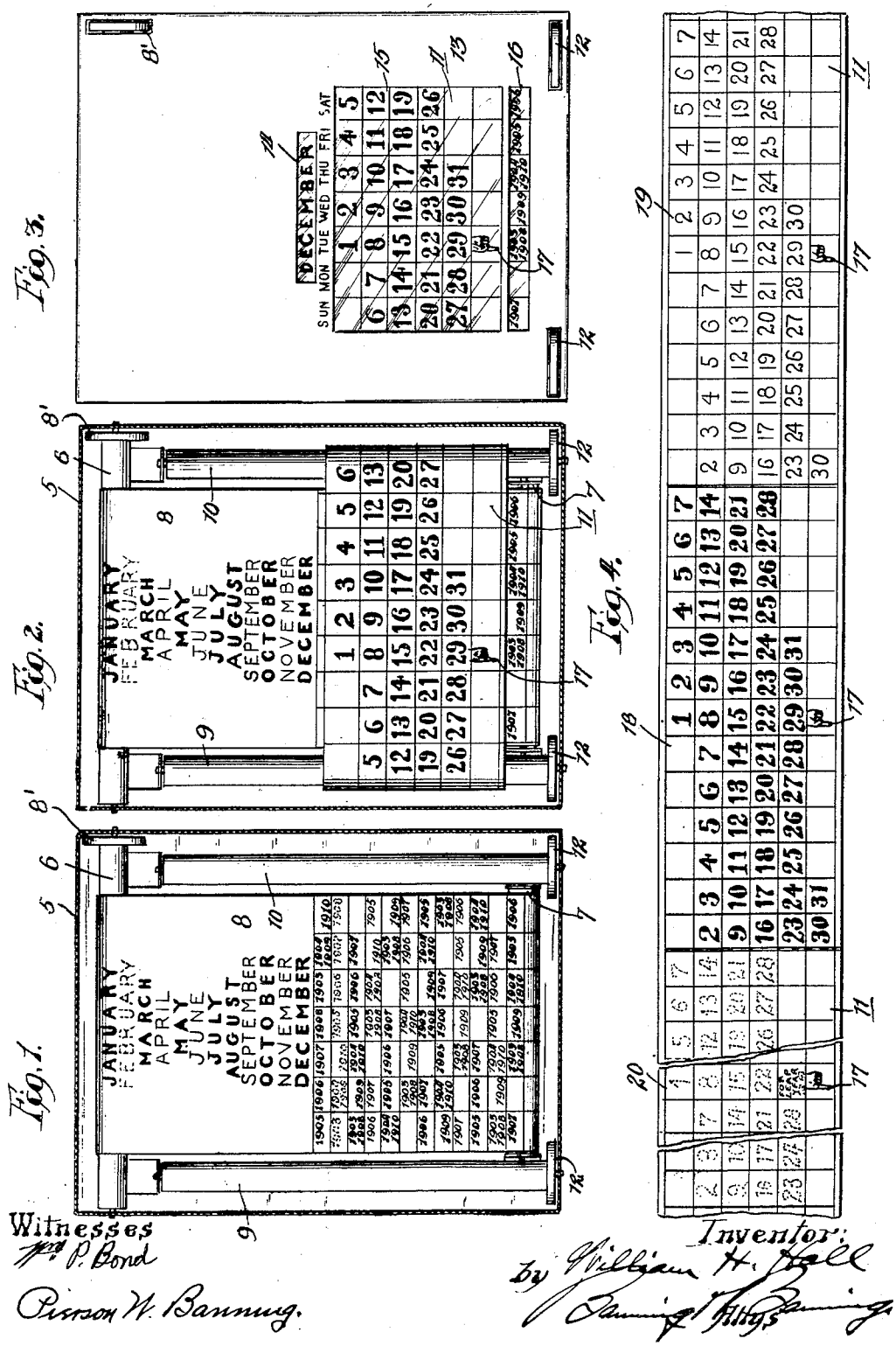
W. H. HALL.

CALENDAR.

APPLICATION FILED JULY 20, 1907.

909,290. Patented Jan. 12, 1909.



Witnesses
W. P. Bond
Pierson W. Banning.

Inventor:
William H. Hall
by Banning & Kellogg

UNITED STATES PATENT OFFICE.

WILLIAM H. HALL, OF CHICAGO, ILLINOIS.

CALENDAR.

No. 909,290. Specification of Letters Patent. Patented Jan. 12, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM H. HALL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Calendars, of which the following is a specification.

My improved calendar is constructed with special reference to permitting ready and accurate reference to be made thereto for any particular time within a large range of years.

The primary object of my invention is to construct a calendar in such manner as that the same may be readily adjusted to correctly show any calendar month covering a large range of years, the parts being so constructed and arranged that they will indicate when the calendar mechanism is properly adjusted to show the correct calendar month for any year which the calendar is adapted to designate.

Another object is to construct the movable parts of a calendar so that, when properly regulated, the months, days and years therein will present a uniform and harmonious appearance, which not only facilitates the reading of the same, but likewise conforms, in appearance, to the ordinary commercial calendar now in extensive use.

Another object of my invention is to provide the calendar frame with a suitable mat, which not only tends to beautify the appearance of the open face in the calendar frame, but serves the further purpose of properly concealing the inner parts of the device from view.

The invention consists in the features of construction and combination of parts hereinafter described and claimed.

In the drawings Figure 1 is a front elevation of my device, the front of the frame having been removed as well as the laterally movable ribbon; Fig. 2 a similar view to Fig. 1, with the laterally movable ribbon in normal position; Fig. 3 a front view of the calendar as used; and Fig. 4 an elevation of the laterally movable strip of ribbon having the days of the months indicated thereon.

Suitably journaled within a calendar frame 5 are upper and lower rollers 6 and 7 respectively, which in turn are adapted to actuate a vertically movable endless ribbon 8 which has printed thereon the twelve months of the year, and for the name of each month a specially arranged row of figures, the name of each month and its specially arranged row of figures being equidistant apart. Upon the upper roller 6 aforesaid, and at one end thereof, is a button 8′, thus enabling the user to readily manipulate the endless ribbon as desired. A pair of similar rollers 9 and 10 respectively are preferably vertically mounted within said calendar frame, and are adapted to shift a calendar strip 11, and as shown in Fig. 4, has the various months printed thereon, said strip being shifted from one roller to the other by means of the buttons 12 near the lower corners of the calendar frame.

As indicated in Fig. 3, a mat 13 is placed over the working parts of the calendar, and in the construction shown has an upper elongated slit 14, an intermediate squared opening 15, and a lower rectangular opening 16 at the base of the frame. This arrangement not only permits the inner parts of the calendar to be concealed from view, but enables the particular month which will appear in the upper slit, the days of the month as indicated in the intermediate opening, and the various years as indicated in the lower opening to be readily examined and the exact desired information obtained.

In Fig. 4 is shown a section of ribbon having the various days of the month imprinted thereon, as well as a hand 17 having its index finger pointing downwardly toward the years appearing in the opening below. In order that the calendar may readily indicate when it is properly set to represent any month for any year for which the calendar may be intended to be used, I prefer to print, for example, the months having thirty-one days therein, and the figures in section 18, in a particular color or style of type, the months having thirty days therein and the figures in section 19 in a peculiar and distinctive manner as distinguished from those of section 18, and likewise the month of February and the figures in section 20 in still another manner or style in order that months having different numbers of days therein can be readily designated and shifted as desired when in use.

Referring now to Fig. 3, by turning the button 8′ the endless ribbon strip 8 is shifted until the name of the month desired registers through the opening 14 and at the same time the specially arranged row of figures for that month which correspond in appearance with month indicated will register through the lower opening 16. It will be observed that each row of figures on this strip,

as indicated in Fig. 1, is divided into seven sections corresponding to the seven days of the week, and that these sections register with the seven columns over which the names of the days of the week are printed. In the section on the left which registers with the name over "Sunday" is printed the years in which the month shown at the top begins on Sunday, the same rule being followed for each day of the week thereafter. Through the lower opening 16 we see "1907" in the left hand section, while in the next section under the word "Monday" we find no figures whatever. This means that the month of December begins on Sunday in 1907, but does not begin on Monday for any of the years for which this particular calendar is designated. It will be understood that by making the calendar larger and the figures smaller it can be made to show an indefinite number of years. Having caused the name of the month desired to register through the upper opening 14 we observe the color, or other special means of designation. If it be a month having thirty-one days, the same will be printed in a peculiar or distinctive manner. We then shift the laterally movable strip 11 by turning the buttons 12 until all the figures showing through the intermediate opening 15 aforesaid correspond with the name of the month indicated above. It is to be understood that the particular method of identifying the months, days and years may be effected through the use of certain distinctive colors as well as by other suitable insignia, and I do not intend to limit myself to any particular means for accomplishing this result. This intermediate opening 15 is just large enough, as indicated, to show seven columns of the laterally movable ribbon strip 11 at one time, and referring to Fig. 4, section 18, it will be seen that any seven contiguous columns of this section will form a complete calendar table of thirty-one days. Upon the various sections of this laterally movable ribbon strip 11 aforesaid, and upon the lower border thereof, is an index hand 17 at the bottom of one column in each section, the position of this column being such in each section that it will always be one of any seven contiguous columns forming a calendar table. As the laterally movable strip 11 is shifted within the intermediate opening 15 aforesaid the index hand will always travel just above the lower elongated opening 16 of the calendar frame, pointing downwardly; and the arrangement of the printed matter on the two strips is such that if the colors in the name of the month and calendar table correspond the calendar table will accurately represent the month indicated at the top for every year found in the section at the bottom which the index hand is pointing to. Any other suitable designating mark will, of course accomplish the same purpose, but for general use I prefer to use the index hand in connection with various colors as one of the objects aimed at in this invention is to produce a calendar good for a number of years and yet efficient and simple in operation, and at the same time conforming so closely in appearance and the matter of reading to the almost universal form of commercial calendars now in use that the public will readily adopt it.

From the foregoing it is apparent that the construction employed in the present invention is such as to permit the calendar to be easily read and any particular date found, even though it be many years ago; and that the same is capable of being readily manipulated, it only being necessary to have the colors in the name of the month and the calendar table correspond, and the index hand point to the year desired. In the table of years for the month of February, the "leap years" may have some distinguishing mark, as indicated in Fig. 4, section 20, so that anyone reading the calendar table may know when to count the 29 days.

What I claim as new and desire to secure by Letters Patent is:

1. In a calendar, a movable ribbon having thereon the months of the year and a table of years divided into seven columns, a movable transverse ribbon having the days of the month thereon divided into columns, any seven consecutive columns showing a complete calendar table adapted to register with the seven columns into which the table of years is divided, and means for regulating the ribbons for readily ascertaining a particular date, substantially as described.

2. In a calendar, the combination of two printed ribbon strips adapted to move at right angles with respect to one another, one of the strips having printed upon its face the names of the months and a table of years divided into seven columns, the other strip having upon its face sections of different calendar months divided into columns, any seven consecutive columns showing a complete calendar table adapted to register with the seven columns into which the table of years is divided, the respective strips, when properly adjusted, being adapted to display a common distinguishing mark, substantially as described.

3. In a calendar, a frame, a mat secured to the face of the frame, said mat having upper, intermediate and lower openings, two printed ribbon strips adapted to move at right angles with respect to one another, one of the strips having printed upon its face the names of the months and a table of years divided into seven columns, the other strip having upon its face sections of different calendar months divided into columns, any seven consecutive columns showing a complete calendar table

adapted to register with the seven columns into which the table of years is divided, the respective strips, when properly adjusted, being adapted to display a common distinguishing mark, substantially as described.

4. In a calendar, upper and lower ribbon rollers, a movable ribbon having the months of the year and a table of years thereon divided into seven columns positioned upon said rollers, a pair of ribbon rollers mounted in the sides of the frame, a movable transverse ribbon having the days of the months thereon divided into columns, any seven consecutive columns showing a complete calendar table adapted to register with the seven columns into which the table of years is divided, positioned upon said rollers and adapted to be actuated therefrom, and means for regulating the movable ribbons for readily ascertaining a particular date, substantially as described.

5. In a calendar, a movable ribbon having thereon the months of the year and a specially arranged table of years divided into seven sections, a movable transverse ribbon having thereon the days of the months divided into columns, any seven consecutive columns showing a complete calendar table adapted to register with the seven columns into which the table of years is divided, said transverse ribbon having the figures divided into three sections of 13 columns each, one section being adapted to show a complete calendar table of 31 days commencing on any day of the week, another section being adapted to show a complete calendar table of 30 days commencing on any day of the week, another section being adapted to show a complete calendar table of the month of February commencing on any day of the week, each section having, in its seventh column, a suitable designating mark adapted to register with one of the year sections thereunder, to indicate when the same is properly adjusted, and means for regulating the ribbons, substantially as described.

6. In a calendar, a movable ribbon having the months of the year printed in colors corresponding to the colors of the correct calendar tables therefor and a table of years divided into seven sections, a movable transverse ribbon having the days of the months divided into three differently colored calendar table sections, any seven consecutive columns in any one section showing a complete calendar table adapted to register with the seven columns of the table of years, and means for regulating the ribbons for readily ascertaining a particular date, substantially as described.

7. In a calendar, a movable ribbon having the months of the year printed in colors corresponding to the colors of the correct calendar tables therefor and a table of years divided into seven sections, a movable transverse ribbon having the days of the months divided into three differently colored calendar table sections, any seven consecutive columns in any one section showing a complete calendar table adapted to register with the seven columns of the table of years, each section of the transverse ribbon having the days of the months divided into thirteen columns and having in its seventh column a suitable designating mark adapted to register with one of the year sections to indicate when the same is properly adjusted, and means for regulating the ribbons for readily ascertaining a particular date, substantially as described.

8. In a calendar, the combination of two adjustable members, one of said members having upon its face the names of the months, and a table of years divided into seven columns and twelve sections in each column, the other member having upon its face a plurality of calendar month sections divided into seven columns, any consecutive seven columns of said second member showing a complete calendar table adapted to register with the seven columns into which the table of years on said first member is divided, substantially as described.

9. In a calendar, a movable ribbon having the months of the year, and a table of years divided into seven columns, said columns of years being divided into twelve sections, one for each month of the year, any seven consecutive columns showing a complete calendar table adapted to register with the seven columns into which the table of years is divided, and a movable transverse ribbon having the days of the months divided into columns, substantially as described.

WILLIAM H. HALL.

Witnesses:
WILLIAM W. WATERS,
FRANCIS B. CORNWALL.