(No Model.)

A. R. BAKER.

Calendar.

No. 229,578. Patented July 6, 1880.

Fig. 3.

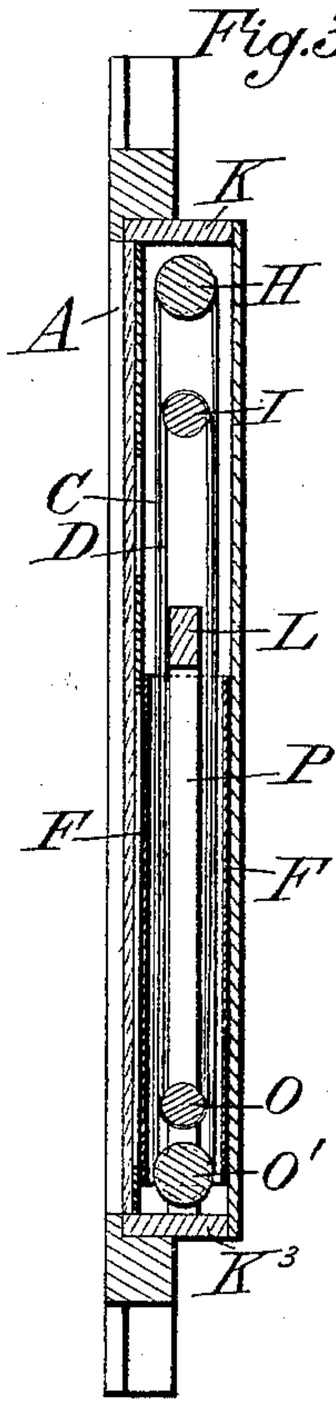


Fig. 1.

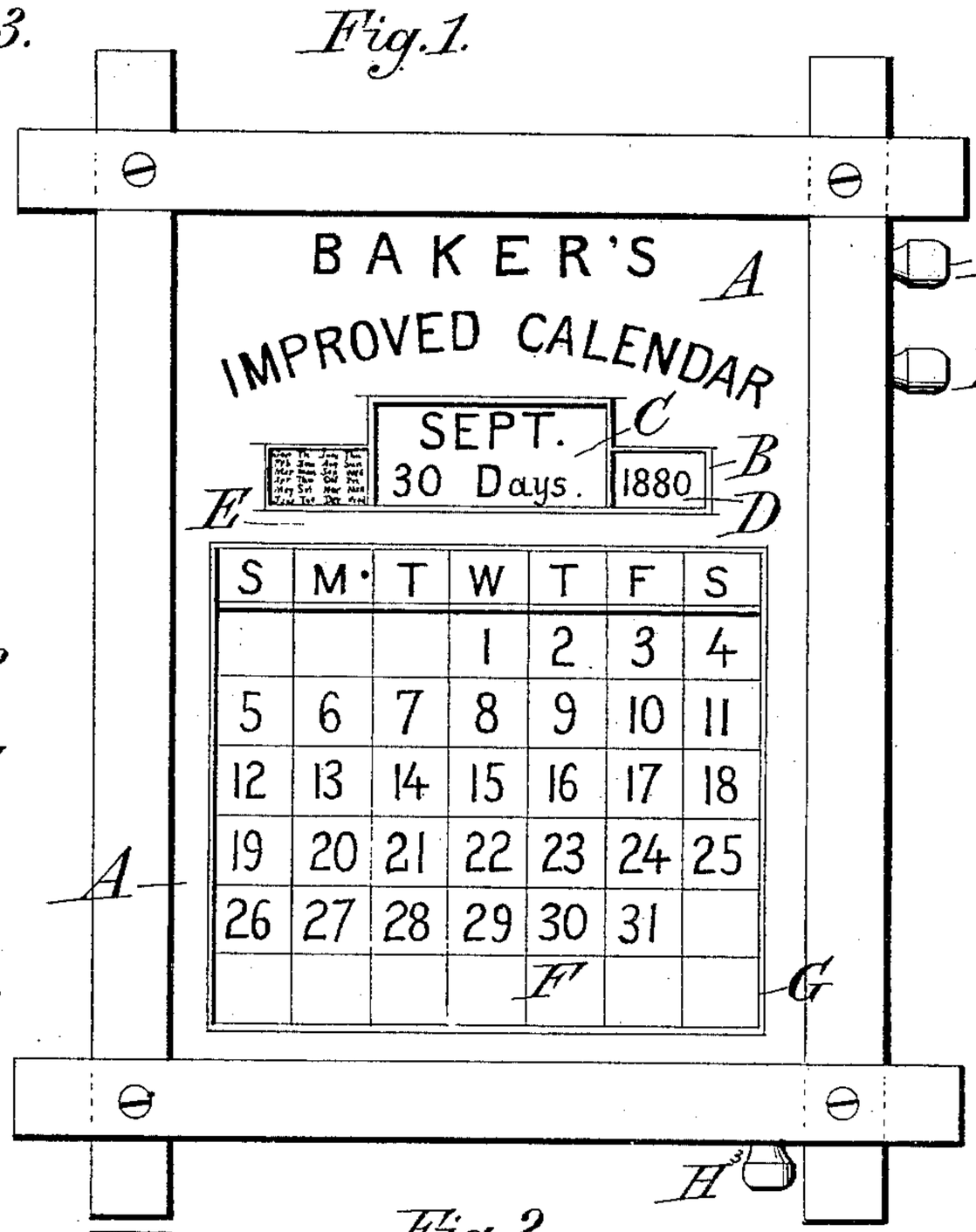
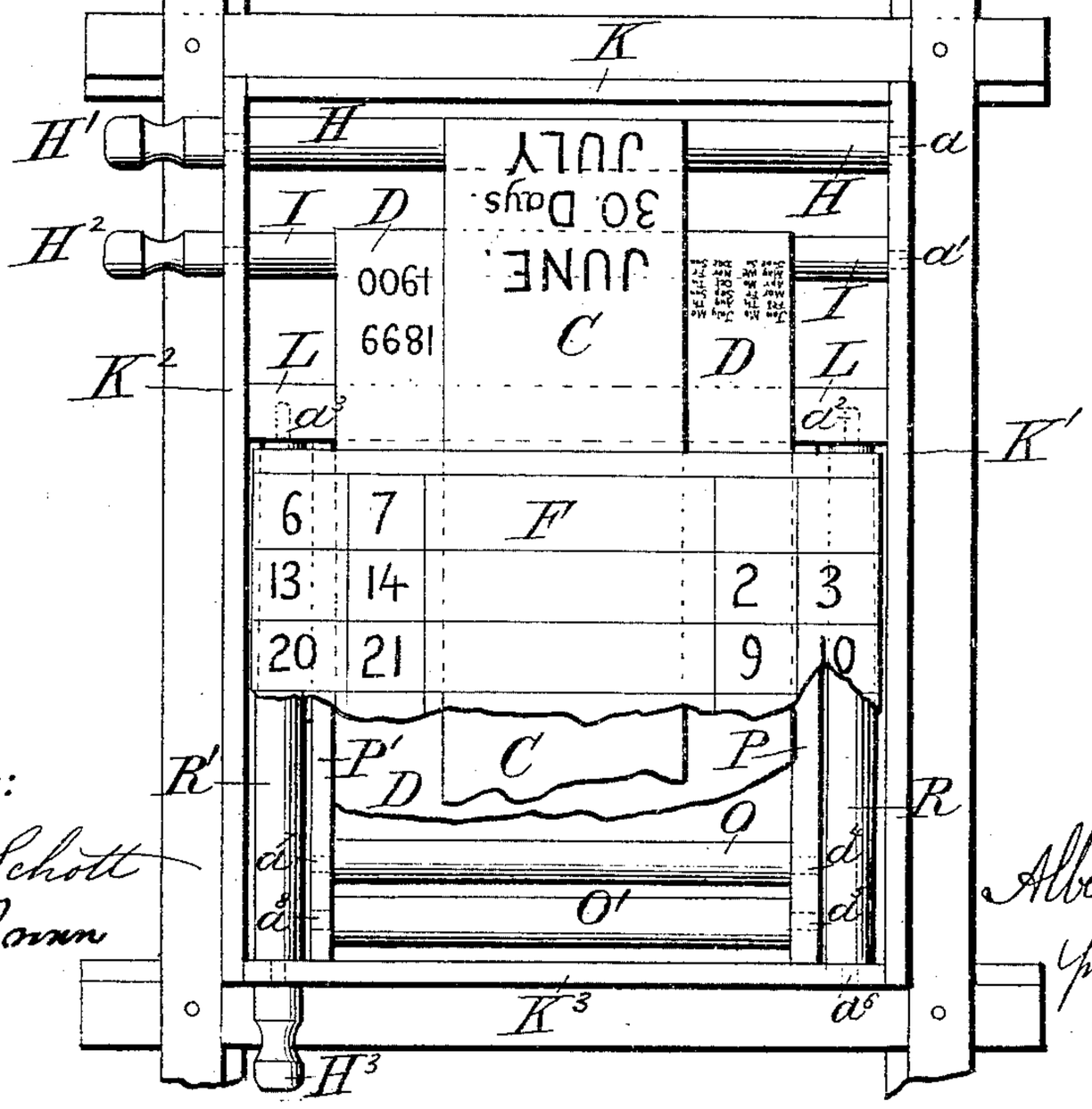


Fig. 2.



Attest:

F. H. Schott

A. R. Baker

Inventor:

Albert R. Baker

by J. L. Taskes

UNITED STATES PATENT OFFICE.

ALBERT R. BAKER, OF INDIANAPOLIS, INDIANA.

CALENDAR.

SPECIFICATION forming part of Letters Patent No. 229,578, dated July 6, 1880.

Application filed March 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALBERT R. BAKER, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Calendar, of which the following is a specification.

My invention relates to improvements in calendars in which four horizontal rollers and two vertical rollers operate in conjunction with the frame and their respective calendars; and the object of my invention is to provide a device for the proper adjustment of each calendar independently of each other, for the purpose of showing the name of the month, with the number of days in the month, the year, and the days of the week on which months begin, and the days of a week as they occur in any month. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a front view of the machine, and Fig. 2 is a rear elevation of the same. Fig. 3 is a central longitudinal section of Figs. 1 and 2.

Like letters refer to like parts throughout the several views.

K K′ K² K³ represent a square or rectangular frame provided with the cross-bar L and two vertical bars, P P′, all of which are constructed and arranged as shown in Fig. 2.

The upper space of the frame, between the bar L and top K, is provided with two rollers, H above and I below. The upper roller, H, is larger in diameter than the roller I, and one end is provided with a short journal, *a*, which operates in a bearing formed in the side K′ of the frame. The other end of the roller H is provided with a longer journal, H′, which projects through the side K² of the frame. The roller I is of like construction, with its journals *a′* and H² operating in bearings formed in the sides K′ and K² of the frame.

In the lower space of the frame, near the bottom K³, are also arranged two rollers, O O′, the roller O being smaller than the roller O′. Each roller is provided at each end with short journals, which operate in the uprights P P′, as shown at a^4 a^5 a^7 a^8.

Between the uprights P and K′ is located a vertical roller, R, the upper end of which is journaled at a^2 in the cross-bar L, and the lower end at a^6 in the lower part, K³, of the frame. Between the uprights P′ and K² of the frame is another vertical roller, R′, its upper end being journaled at a^3 in the cross-bar L, and its lower journal, H³, being long enough to project a short distance below the part K³ of the frame, as shown.

On the rollers I and O is placed a belt, D, on one side of the front face of which is printed the figures representing years, as 1880, and on the other side of the front face are printed the names of each month and the day of the week on which each month commences, as shown in the drawings. This belt is moved up or down by turning the projecting end H² of the roller I. Immediately in front of the belt D is another belt, C, which operates on the rollers H and O′. This belt has printed on its face, in regular order, the names of the months in a year, and each month has the number of days in it also printed thereon. This belt C is also raised or lowered outside of the belt D by turning the journal H′ of the roller H. On the two vertical rollers, R R′, is also mounted another belt, F, having a calendar with the numerals printed so that its first row of numbers will commence with 1 and end with 7, its second row commence with 2 and end with 14, its third row commence with 9 and end with 21, its fourth row commence with 16 and end with 28, its fifth row commence with 23 and end with 31, and the sixth row commence with 30 and end with 31. By this arrangement of the figures on the belt F any day of a week on which a month may commence may be indicated at the opening G, and all the rest of the days in the month will be exposed to view in their regular order. This belt is operated and moved either to the right or left by turning the journal H³.

The front casing, A, is provided with two openings in its face. The opening B above is like an inverted T, exposing to view the words and figures on the belts D and C, and the opening G below to show the figures on the belt F representing the days of the month.

Immediately above the opening G on the casing A is arranged a line of letters, S, M, T, W, T, F, S, representing each day of the week and corresponding with the numerals on the belt F.

The operation of my improvement is as follows, to wit: Assuming that the year is 1880,

then the journal H^2 is turned until the belt D is in position to expose the figures 1880 at one side and the months at the other side. If the month be March, 1880, the journal H′ is operated until the belt C is in position to expose the name of the month and number of days in the month at the opening B of the casing A. If the first day of March be on Monday, then the calendar or belt F is moved either to the right or left until the figure 1 is under the letter M. Thus the day of the week, the day of the month, the month with its number of days, and the year is brought to view at the openings B and G of the casing A, and may be changed when desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, in a calendar, of the horizontal rollers I O, carrying the belt D, showing the years and days of the week on which months commence, the horizontal rollers H O′, having the belt C, with the names of months and number of days in each, the vertical rollers R R′, provided with belt F, having a calendar of numerals, and the casing A, provided with openings B G and letters indicating the days of the week, all constructed, arranged, and operating as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT R. BAKER.

Witnesses:

E. O. FRINK,

GEORGE H. RENNETT.