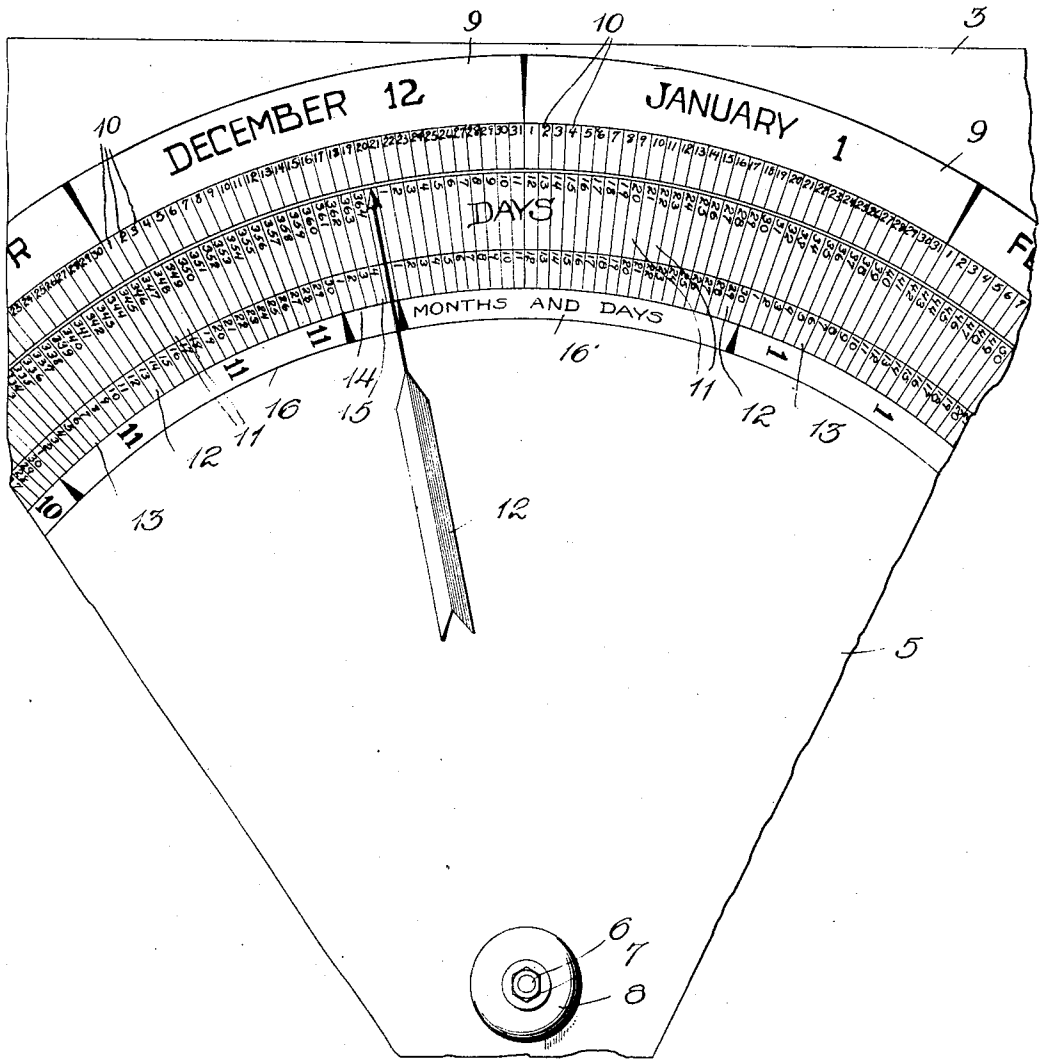
W. E. HARRIS.

CALCULATING DEVICE.

APPLICATION FILED AUG. 4, 1919.

1,401,692. Patented Dec. 27, 1921.

Fig. 1.



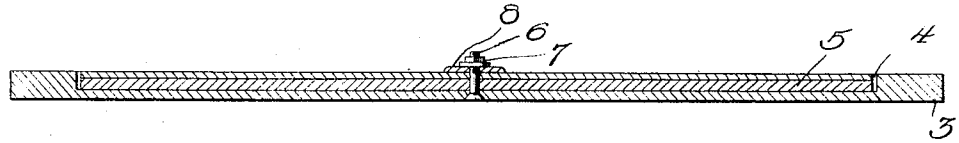


Fig. 2.

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CALCULATING DEVICE.

1,401,692. Specification of Letters Patent. Patented Dec. 27, 1921.

Application filed August 4, 1919. Serial No. 315,197.

To all whom it may concern:

Be it known that I, WARREN E. HARRIS, a citizen of the United States, residing at Emmett, in the county of Gem and State of Idaho, have invented certain new and useful Improvements in Calculating Devices, of which the following is a specification.

This invention relates to calculating devices and more particularly to a device of the character set forth which is adapted to facilitate the calculation of months and days, or of days only, elapsing in the period of time between two given dates, such as the dates of making and maturity of a note or the like.

The object of this invention is to provide a calculating device of the class described which will accurately and quickly compute by mechanical means the exact interest period or other lapse of time as is desired by the operator.

Referring to the accompanying drawing, forming a portion of this specification, and in which like reference characters indicate the same parts wherever used,

Figure 1 is a fragmentary top view of the device and

Fig. 2 is a transverse section through the device on a reduced scale.

3 indicates a base of any suitable material having a circular depression 4 in which is seated a disk 5 centrally and rotatably mounted therein through the medium of a shaft 6 provided with a nut 7 backed up by a washer 8.

Around the periphery of the depression 4 are placed divisions 9 chronologically bearing the names of the calendar months and serially numbered from one to twelve. A second series of divisions 10 is placed inside the series 9 and provided respectively with spaces representing the number of days in each month adjacent thereto on the division 9.

The disk 5 carries a series of 365 divisions, designated as 11, at its periphery numbered consecutively from 1 to 364 and designated "Days" with the last space unnumbered to permit the placing of an indicator arrow 12 on the disk 5 and extending to the periphery thereof to be used as hereinafter explained.

A second series of twelve divisions designated as 12 is placed adjacent the series 11 and consists of thirty spaces 13 numbered from one to thirty in each division and an additional division 14 divided into four spaces 15 numbered from one to four inclusive.

A third series of twelve divisions 16, the first of which 16^1 is unnumbered, the other eleven thereof being numbered one to eleven is placed adjacent the series 12 and is designated as "Months and days".

The device is operated as follows:

Should it be desired to ascertain the amount of time in days, or months and days, elapsing between two given dates, such as the date of making and maturity of a note or other instrument, the disk 5 is turned until the indicator 12 registers with the date of making as indicated by the proper number in the space 10 adjacent the division 9 whereupon the number in the space 11 opposite the date of maturity, shown by the dotted line for illustration as indicated by proper space 10 of the division 9 for the month thereof will indicate the number of days elapsed and the reading of the spaces 13 and 16 opposite thereto the months and days reading in a line across the disk 5 and the base 3.

I claim:

In a calculating device, a stationary member, a revoluble member, graduations on the stationary member bearing indicia of the calendar months and the days thereof chronologically and successively, graduations on the revoluble member one of which is blank and the remaining graduations bearing indicia of the days of a calendar year from one to three hundred and sixty four, of days of a month arranged in groups of thirty and corresponding in multiples of thirty to the days of the calendar year to the extent of twelve groups and these groups numbered from one to eleven, and an indicator occupying the blank graduation following that bearing the indicia three hundred and sixty four, whereby when the indicator is placed in register with a predetermined date on said stationary member the time elapsed between that date and any other date following in chronological succession may be ascertained in terms of days or of periods of thirty days and fractions thereof.

In testimony whereof I affix my signature in presence of two witnesses.

WARREN E. HARRIS.

Witnesses:
JOHN MCNISH,
SAM D. RIGGS.