Sept. 15, 1925. 1,553,375

H. GASHYESVA

WRIST CALENDAR

Filed March 20, 1925

Fig. 1.

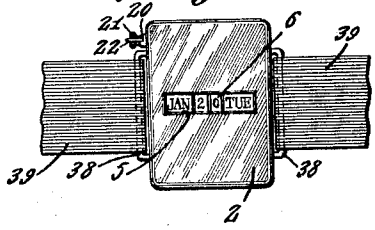


Fig. 2.

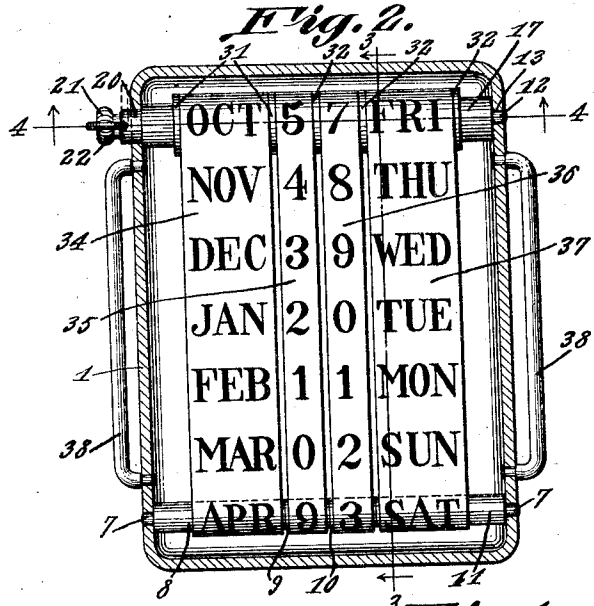


Fig. 3.

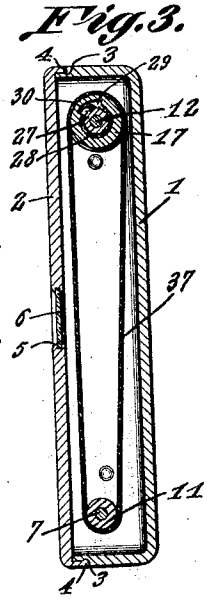


Fig. 4.

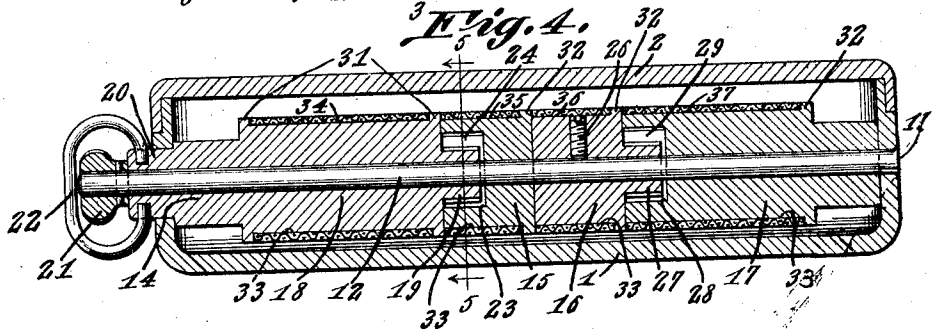
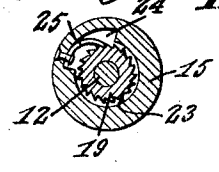


Fig. 5.



Harold Gashyesva, INVENTOR.

BY

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Patented Sept. 15, 1925. 1,553,375

UNITED STATES PATENT OFFICE.

HAROLD GASHYESVA, OF TUBA CITY, ARIZONA.

WRIST CALENDAR.

Application filed March 20, 1925. Serial No. 16,994.

To all whom it may concern:

Be it known that I, HAROLD GASHYESVA, a citizen of the United States, residing at Tuba City, in the county of Coconino and State of Arizona, have invented certain new and useful Improvements in Wrist Calendars, of which the following is a specification.

This invention relates to the class of calendars and pertains particularly to the class of perpetual calendars.

The primary object of this invention is the provision, in a manner as hereinafter set forth, of a calendar adapted to be secured to one's wrist and having the means whereby the same may be set each day, week and month, to show at a glance through a sight opening in the casing of the calendar the day of the week, the date of that day and the month in which the day of that date falls.

A further object of the invention is the provision, in a manner as hereinafter set forth, of a mechanism capable of independently shifting any one of a series of aligned endless belts which extend over and are supported upon the same shafts.

Still another object of this invention is the provision, in a manner as hereinafter set forth, of an incased adjustable calendar adapted to be carried upon the wrist of a user and having means whereby the calendar may be retained in position by a wrist watch strap which might be carrying a wrist watch upon the opposite side of the user's wrist.

A further and final object of the invention is the provision of a wrist calendar of the type above described, which will be light in weight, neat and attractive in appearance, easily and quickly set to indicate the day of the week and the date thereof, and inexpensive to manufacture.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming a part of this specification, with the understanding that the invention is not confined to any strict conformity with the showing of the drawing, but may be changed and modified so long as such changes and modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:—

Fig. 1, shows a face view of the device embodying this invention and as applied to a wrist strap.

Fig. 2, is a horizontal section through the casing of the device showing the interior construction thereof.

Fig. 3, is a section upon the line 3—3 of Fig. 2.

Fig. 4, is a section upon the line 4—4 of Fig. 1.

Fig. 5, is a section upon the line 5—5 of Fig. 4.

Referring now to the drawing in detail wherein like numerals of reference indicate corresponding parts throughout the several views, numeral 1 indicates a relatively flat rectangular casing having an open top and normally closed by the cover 2. The casing 1 has a surrounding grooved or inset portion 3 opening on to the free edge thereof, and in this inset portion the surrounding flange 4 of the cover 2 is sprung. The cover 2 has a sight opening 5 cut therethrough and transversely thereof as shown in Fig. 1, and this sight opening is closed by the crystal 6.

Extending transversely of the interior of the casing 1 and adjacent one end thereof, is a shaft 7, the ends of which have bearings in the side walls of the casing as shown in Fig. 2. Upon the shaft 7 there is mounted for free revolution a series of rollers 8, 9, 10 and 11 respectively.

Extending transversely of the interior of the casing 1, adjacent the end opposite that occupied by the shaft 7, is a shaft 12 one end only of which has bearing in one side wall of the casing 1 as indicated at 13, the other end being supported in one of a series of rollers 14, 15, 16 and 17 respectively, and projects a substantial distance beyond the side of the casing opposite to that wherein the end is supported at 13.

As shown, the roller 14 is of substantial length and has a main body portion 18 upon one end of which is formed a pinion 19 of relative small diameter, and having formed upon the opposite end a reduced portion constituting a trunnion 20 which extends through the side of the casing 1 and projects beyond the outer face thereof as shown in Figures 2 and 4. It is in this trunnion portion that the extending end of the shaft 12 has bearing and as shown this

shaft 12 extends beyond the end of the trunnion portion 20 and has secured thereon the knurled head 21. The extending portion of the trunnion 20 has pivotally secured therein the ends of a split ring 22.

Bearing against the inner end of the roller 14 is the roller 15, the face which bears against the roller 15 having a central recess 23 therein, in which recess the pinion 19 is positioned. The wall of the recess 23 is cutaway as at 24 and there is secured in the cutaway portion 24 one end of a spring pawl 25, the other end thereof extending inwardly to engage the ratchet 19.

The roller 16 is securedly mounted upon the shaft 12 by means of the set screw 26, and one end of this roller bears against the end of the roller 15 and the other end has formed thereon and extending from the longitudinal center thereof the pinion 27.

The roller 17, has one end bearing against that end of the roller 16 upon which the pinion 27 is formed, and further has this end provided with a central recess 28 into which the pinion 27 extends. The wall of this recess also has an offset portion 29 in which there is secured one end of the spring pawl 30, the other end of which engages the teeth of the pinion 27. The other end of the roller 17, is reduced as shown and bears against the inner face of the adjacent side wall of the casing 1.

It will be noted that the rollers 14, 15 and 17 are mounted to revolve freely upon the shaft 12 whereas the roller 16 is secured thereto by means of the set screw 26.

The roller 14 has the enlarged body portion 18 bounded at each end by the surrounding flanges 31 and the other rollers 15, 16 and 17 have flanges 32 at one end of each, the other end of each of these rollers making use of the flange upon the adjacent roller to set up the peripheral inset portion 33 of each roller.

Within the casing 1 there is placed a series of endless belts 34, 35, 36 and 37 respectively, the belt 34 passing over and connecting the rollers 8 and 14, and having thereon in abbreviated form and proper consecutive order the names of the months of the year.

The belts 35 and 36 respectively pass over and connect the rollers 9 and 15, and 10 and 16 respectively, and these belts each have the numerals 1 to 9 inclusive arranged in consecutive order upon the face thereof, and a cipher following each 9.

The belt 37 passes over and connects the rollers 11 and 17 and has printed upon the face thereof in their proper order the names of the days of the week.

Upon each side wall of the casing 1 there is secured the longitudinally extending loop 38 and these loops are adapted to have passed therethrough across the back of the casing 1, a strap 39 which may be secured about the wrist of the user of the calendar to retain the calendar in place, or the strap 39 may be a wrist watch strap and the calendar may be held in position upon one side of the wrist while the watch is held upon the opposite side.

In the use of this calendar, in order to set the same to indicate through the crystal 6 the day of the month and the date thereof, the user first revolves the shaft 12, by means of the knurled head 21, toward the face of the calendar, thus causing the roller 16 to revolve, causing the pinion 27, through the medium of the engaged pawl 30 to revolve the roller 17, turning the belt 37 until the name of the proper day of the week appears beneath the crystal 6. The shaft 12 is then revolved in the opposite direction, the pinion 27 idling beneath the pawl 30 and causing the belt 36 to revolve in the opposite direction to that in which the belt 37 was caused to revolve, and until the desired numeral makes its appearance beneath the crystal 6.

Assuming that the day of the week desired to be shown is Tuesday and the date the 20th, the name Tuesday and the cipher will have appeared through the crystal 6. The split ring 22 is now caused to revolve the roller 14 toward the front of the calendar casing and when this is done the pinion 19 will engage the pawl 25 carried by the roller 15 and causing the roller to revolve turning the belt 35 until the numeral 2 appears beside the cipher. The split ring 22 and the roller 14 is then turned in the opposite direction to cause the pinion to idle beneath the pawl 25 and to turn the belt 34 until the name of the desired month appears through the crystal 6 in front of the numeral 20. Upon proper manipulation the proper date and name of the week may be kept always showing through the crystal 6 thereby indicated at a glance the day of the month and of the week.

From the foregoing description it will be readily seen that there has been provided a unique and novel wrist calendar which will be both attractive and useful.

Having thus described my invention, what I claim is:—

1. In a device of the character set forth, a casing having a sight opening through one face thereof, a pair of spaced parallel shafts revolubly mounted in said casing, a plurality of rollers mounted upon each shaft, one of the rollers upon one shaft being fixed thereto, endless aligned symbol bearing straps extending over and connecting the rollers of said shafts and viewable through said sight opening, and a pawl and ratchet connection between said fixed roller and the adjacent roller whereby both straps may be shifted as desired by the clock-wise or counter-clockwise revolution of the supporting shaft.

2. In a device of the character set forth, a casing having a sight opening through one face thereof, a pair of spaced parallel shafts revolubly mounted in said casing, a pair of rollers upon each shaft, one roller of the pair on one shaft having a longitudinally extending recess formed in one end thereof, a circular extension formed upon one end of the other of said pair, having teeth formed about the periphery thereof and further extending into said recess, means for securing one of said last mentioned rollers to its shaft, endless aligned symbol bearing belts passing over and connecting the rollers of said shafts, and viewable through said sight opening, and means in said recess for engaging the teeth upon said extension when the fixed roller is revolved in one direction by the attached shaft to turn the rollers simultaneously, said means becoming inoperative when the fixed roller is revolved in the opposite direction allowing one roller to remain stationary.

3. In a device of the character set forth, a casing having a sight opening through one face thereof, a pair of spaced parallel shafts revolubly mounted in said casing, a plurality of rollers upon each shaft, those upon one shaft being separated into a plurality of pairs, one roller of each pair having a longitudinally extending axial recess formed therein, a peripherally toothed extension formed upon one end of the other roller of each pair and extended into a recess of an adjacent roller, means for securing one roller of one pair to said shaft, one end of one roller of the other pair having a reduced portion extended beyond the exterior of the casing upon and about its supporting shaft, endless aligned symbol bearing belts passed about and connecting the rollers on the spaced shafts, and viewable through said sight opening, and means within each of said recesses for engaging the toothed extension located therein when a certain one of each pair is actuated in one direction, to turn each of the pair simultaneously, said means becoming inoperative when said certain ones of each pair are turned in the opposite direction, allowing one roller only of each pair to be moved to shift the belt passing thereover.

In testimony whereof, I affix my signature hereto.

HAROLD GASHYESVA.