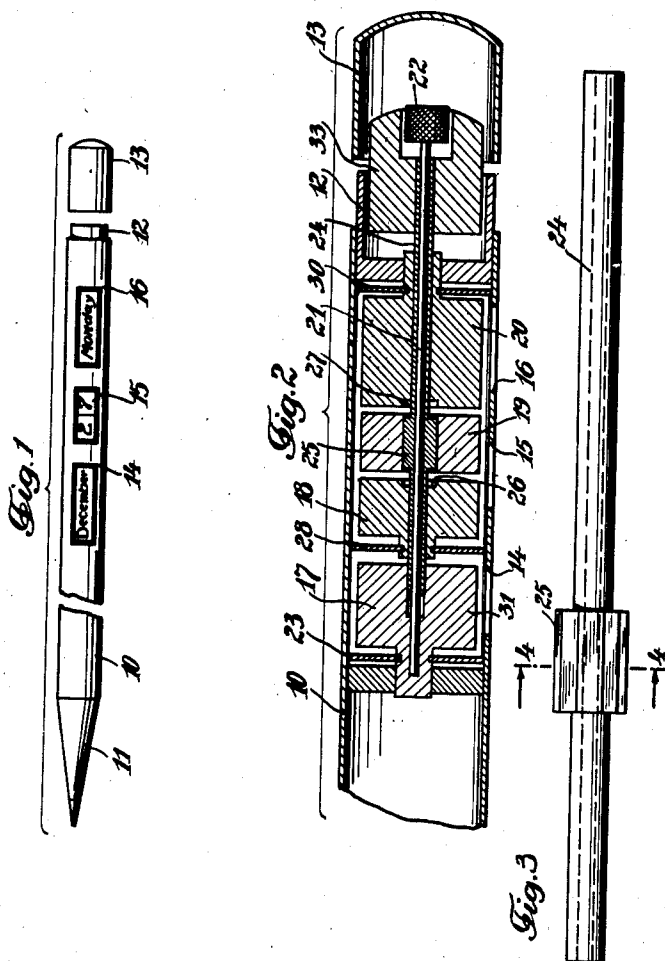


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CALENDAR FOR PENCIL CASES

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## UNITED STATES PATENT OFFICE

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## CALENDAR FOR PENCIL CASES

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2 Claims. (Cl. 40—108)

This invention relates to an improved calendar attachment for pencil cases or the like articles, and more particularly it relates to a calendar that indicates the names of the day of the week, the day of the month and the name of the month, whereby the data may be changed by operating actuating members arranged outside the pencil case.

In accordance with the invention we provide a tube-shaped member or pencil case with a plurality of openings. A plurality of cylinders are independently rotatable within the tubular member. The cylinders contain the names of the days of the week, the names of the month and numbers for indicating the day of the month. In accordance with one embodiment of the invention the cylinder bearing the names of the months is operated by a shaft coaxial with the tubular member and projecting to the outside thereof. The other cylinders are operable by a hollow shaft having a polygonal bolt that continuously engages a middle cylinder and that is adapted to selectively engage with either one of two cylinders adjacent the middle cylinder. The hollow shaft provided with the polygonal bolt is coaxial with the tubular member and displaceable therein in an axial direction. Hence, it is possible to selectively rotate the four cylinders bearing the data above referred to.

Accordingly, an object of the invention is to provide an improved calendar attachment for pencil cases or the like objects.

Another object of the invention is to provide a pencil case having a calendar attachment that may be selectively actuated by a longitudinally displaceable shaft having a polygonal bolt.

These and further objects of the invention will become more evident in the following description of preferred embodiments of the invention illustrated in the drawing, wherein:

Fig. 1 is a side elevation of a pencil case having my improved calendar attachment, parts being broken away.

Fig. 2 is a partial longitudinal sectional view of the pencil case of Fig. 1 on enlarged scale.

Fig. 3 is a side view of the hollow operating shaft with its decagonal bolt on enlarged scale.

Fig. 4 is a cross section taken on the line 4—4 of Fig. 3.

Referring to the drawing and more particularly to Figs. 1 to 4 my improved calendar attachment is housed in a cylindrical tube 10 having a tapered end portion 11 which may be provided with a lead mine. Cylindrical tube 10 has a recessed extension 12 over which protecting sleeve

13 may be pushed. Tube 10 has an opening 14 adapted to expose the name of the month. Opening 15 in tube 10 exposes the day of the month and opening 16 the name of the day of the week.

Four cylinders 17, 18, 19 and 20 are rotatably mounted within tube 10. Cylinder 17 is fixed on shaft 21 having an actuating knob 22 at its right hand side. Cylinder 17 is provided with a circular disc 23 that is in frictional engagement with the inner wall of tube 10. Hollow shaft 24 is coaxial with shaft 21 and embraces the same. As shown particularly in Figs. 3 and 4 hollow shaft 24 has a decagonal bolt 25 fixed thereon. Decagonal bolt 25 is slidable within a decagonal opening in cylinder 19. Cylinders 18 and 20 each have a decagonal recess 26 and 27, respectively, that is adapted to engage with decagonal bolt 25 on hollow shaft 24. Cylinders 18 and 20 are freely rotatable about hollow shaft 24. However, means may be provided to frictionally brake the rotation of the cylinders. For this purpose circular discs 28 and 30 are provided. Disc 28 is fixed on cylinder 18 and frictionally engages with the inner wall of tube 10. Disc 30 is secured to cylinder 20 and also engages with the inner wall of tube 10. Cylinder 19 may also be provided with a similar braking disc. Hollow shaft 24 is slidable within annular recess 31 in cylinder 17. The free end portion of hollow shaft 24 is provided with an actuating knob 33.

The operation of my improved calendar attachment will now be evident.

Cylinder 17 is operated by rotating actuating knob 22 secured to shaft 21. By pushing operating knob 33 secured to hollow shaft 24 to the left of Fig. 2 access may be had to knob 22.

In the position of Fig. 2 rotation of operating knob 33 will rotate cylinder 19, while cylinders 18 and 20 remain at rest. In order to rotate cylinder 18 actuating knob 33 is pushed to the left until decagonal bolt 25 on hollow shaft 24 engages in recess 26 in cylinder 18. The 10 faces on bolt 25 correspond to the 10 figures on cylinder 19. Now, rotation of operating knob 33 will simultaneously rotate cylinder 18 as well as cylinder 19. Similarly, when operating knob 33 is pulled from its middle position to the right of Fig. 2, decagonal bolt 25 on hollow shaft 24 will engage recess 27 in cylinder 20. In this position rotation of operating knob 33 will simultaneously rotate cylinders 19 and 20. Thus it will be evident that any combination of figures and names can be produced by rotation of operating knob 22 and by displacing and rotating knob 33. Brak-

ing discs 23, 28, 30 prevent undesired rotation of the cylinders.

Various changes and modifications may be made to the details of construction of the invention without departing from the broader spirit and scope thereof, as set forth in the following claims.

We claim:

1. A calendar for a pencil case comprising a hollow member having a plurality of openings therein, a plurality of cylinders including a first cylinder, an intermediary cylinder and two adjacent cylinders arranged on opposite ends of said intermediary cylinder, said cylinders being rotatably arranged in said hollow member adjacent said openings, a first shaft having an operating knob arranged outside of said hollow member and being coaxial therewith, said first cylinder being secured to said first shaft, a longitudinally displaceable hollow shaft coaxially arranged to said first shaft and having an operating knob at its free end projecting out of said hollow member, said hollow shaft having a polygonal member fixed thereon, a polygonal opening on said intermediary cylinder for engagement with said polygonal member, the length of said polygonal member being less than the length of said polygonal opening in said intermediary cylinder, and polygonal recesses in said adjacent cylinders

adapted to be engaged with said polygonal member when said hollow shaft is displaced within said hollow member.

2. A calendar for a pencil case comprising a hollow member having a plurality of openings therein, a plurality of cylinders including a first cylinder, an intermediary cylinder and two adjacent cylinders arranged on opposite ends of said intermediary cylinder, said cylinders being rotatably arranged in said hollow member adjacent said openings, a first shaft projecting out of said hollow member, said first cylinder being fixed to said first shaft, a longitudinally displaceable hollow shaft encircling said first shaft and projecting out of said hollow member, said hollow shaft having a decagonal member fixed thereon, a decagonal opening in said intermediary cylinder for engagement with said decagonal member, decagonal recesses in said adjacent cylinders adapted to be engaged by said decagonal member, the length of said decagonal member being less than the length of said decagonal opening in said intermediary cylinder, whereby said intermediary cylinder may be selectively rotated either alone or together with one of said adjacent cylinders by displacing and rotating said hollow shaft.

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