March 17, 1931. J. G. ACKERMAN 1,796,741

ROTARY DATING STAMP

Filed May 9, 1930

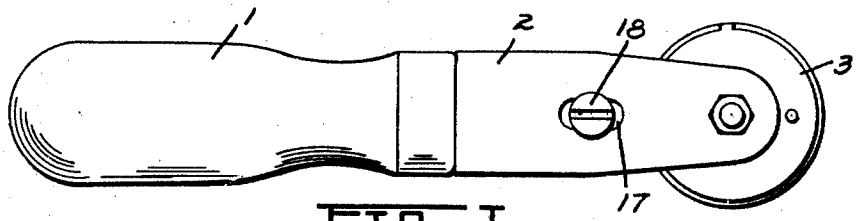


Fig. 1.

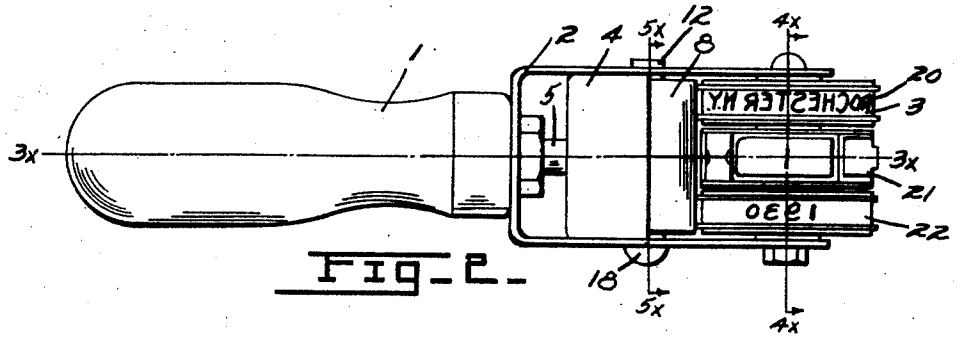


Fig. 2.

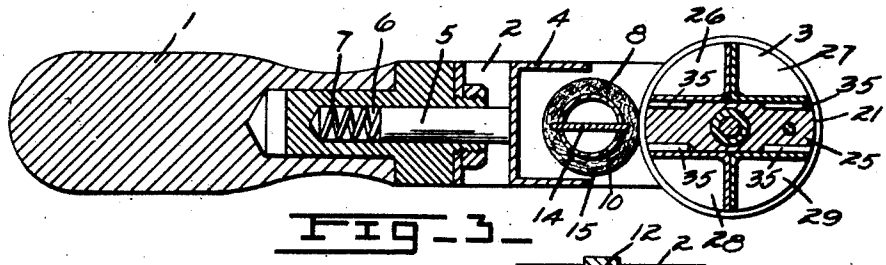


Fig. 3.

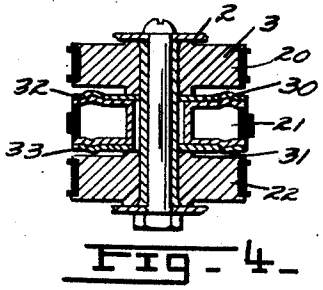


Fig. 4.

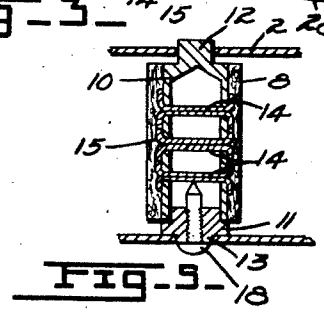


Fig. 5.

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UNITED STATES PATENT OFFICE

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ROTARY DATING STAMP

Application filed May 9, 1930. Serial No. 450,963.

The object of this invention is to provide a new and improved type of dating and cancelling stamp.

Another object of the invention is to arrange the stamp so that certain characters thereon can be easily changed from day to day or from hour to hour, etc., as may be needed.

These and other objects of the invention will be illustrated in the drawing, described in the specification and pointed out in the claims at the end thereof.

In the drawing:

Figure 1 is a side elevation of the stamp.

Figure 2 is a top plan view of the stamp.

Figure 3 is a longitudinal section through the stamp, on the line $3x$, $3x$ of Figure 2.

Figure 4 is a longitudinal section through the stamp roll on the line $4x$, $4x$ of Figure 2.

Figure 5 is a longitudinal section through the inking roll on the line $5x$, $5x$ of Figure 2.

In the drawings like reference numerals indicate like characters.

In the drawings reference numeral 1 indicates the handle of the stamp, having a U shaped yoke or frame 2 thereon at the outer end of which the roller 3 is mounted to rotate therein. At an intermediate point a housing 4 is mounted to slide in the frame 2. This housing is supported on a pin or stem 5 and engages in a socket 6 in the handle 1. In the socket is provided a compression spring 7 which normally pushes the pin 5 and housing 4 outwardly. In this housing is mounted to rotate the ink roller 8. This roller comprises a hollow metal cylinder 10 which is closed at one end and open at the other end. At the open end the cylinder is closed by a plug 11. At both ends the cylinder is provided with trunnions 12 and 13. The cylinder has several sets of wicks 14 extending diametrically across it, the wicks extending outside of the metal cylinder and being lapped over against it. On the outside this inking roll is covered with a felt sleeve 15. The hollow metal cylinder is filled with ink and this ink is fed out on the wicks 14 to the felt roller 15 and diffuses itself through the roller. The trunnion ends of this roller engage in the slots 17 formed on each side of the U shaped frame 2, and the trunnions and the roller are held in place by screws 18 provided in the trunnions for that purpose. As above pointed out the ink roller 8 is pressed against the type roller 3 by a means of the housing 4, the stem 5 and the spring 7.

The type roller has three zones therein indicated at 20, 21 and 22. On each of the zones 20 and 22 a single band of rubber is placed which extends around the cylinder. This rubber band carries the type for suitable markings such as "Rochester, N. Y." on the one zone, and the year and any other characteristic data such as "Air mail" on the other zone.

The intermediate zone 21 is provided with a base 25 that extends diametrically across the zone, and on this base four quadrant blocks can rest such as are indicated 26, 27, 28 and 29 in Figure 3. The blocks are each siutably swelled out with a little projection on both sides as indicated at 30 and 31 in Figure 4. These blocks are pushed in place between the discs 32, 33 until the swells or projections on the blocks engage in suitable recesses in the discs 32, 33 between which quadrant blocks are held and between the frictional engagement with the discs and the backing of the base 25 the four quadrant blocks are securely held in place. At each end of the base a recess 35 is provided which permits a tool to be inserted under each block in turn so that any of the blocks can be lifted or pried out and removed. One of these quadrant blocks will bear the name of the month, such as July. Twelve of these blocks will be provided, one for each month. Another block will bear the day of the month, such as 1. Thirty-one of these blocks will be provided. Another block will bear the hour such as 4. Twelve of these blocks will be provided, or 24 blocks may be provided if it is desired to mark the half hours such as 4.30, etc. The fourth block will bear the mark "a. m." or "p. m." as may be appropriate. Two of these blocks will be provided. If set up with the marks indicated, one revolution of the stamp will make the mark "July 1 4 p. m." The "a. m." or "p. m."

blocks will be changed twice a day. The block for marking the hour will be changed at least 24 times a day. The block for marking the month will be changed once a month, and the block for marking the day of the month will be changed every day.

I claim:

1. A printing roller having a base extending diametrically across the roller, a disk on each side thereof, quadrant shaped blocks adapted to rest on the base and be engaged between the discs, said blocks when assembled in place on the roller being adapted to print on the rotation of the roller.

2. A printing roller having a base extending diametrically across the roller, a disc on each side thereof, quadrant shaped blocks adapted to rest on the base and be engaged between the discs, said blocks when assembled in place on the roller being adapted to print on the rotation of the roller, said base being cut away to form a recess between the base and each block at the circumference in which a tool can be inserted to remove the block.

In testimony whereof I affix my signature.

JACOB G. ACKERMAN.