Aug. 25, 1925. 1,551,376

G. W. DUCHEMIN

BALL MARKER

Filed Aug. 6, 1924

Fig. 1

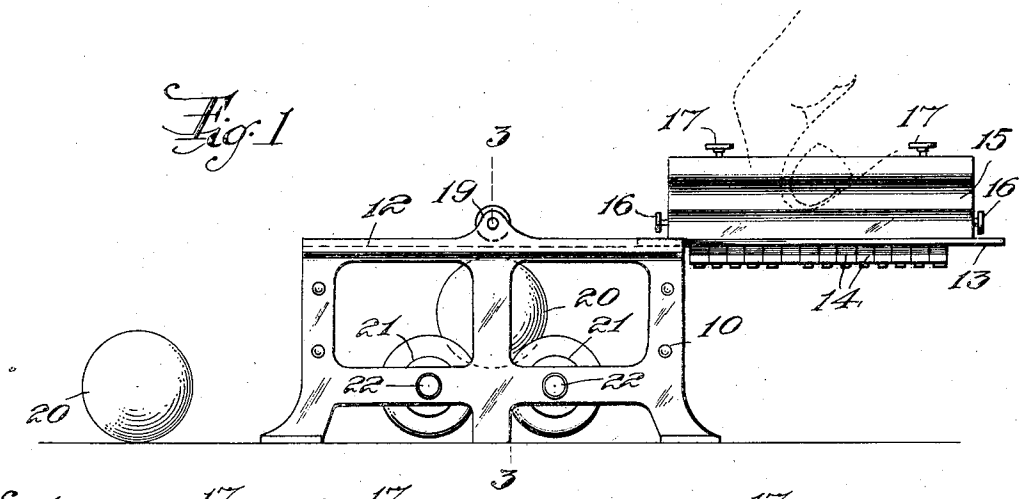


Fig. 2

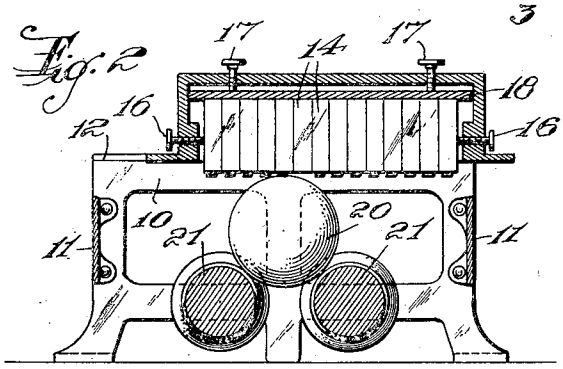


Fig. 3

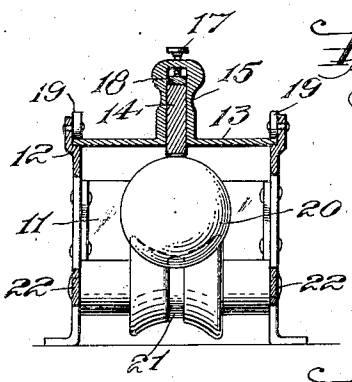


Fig. 4

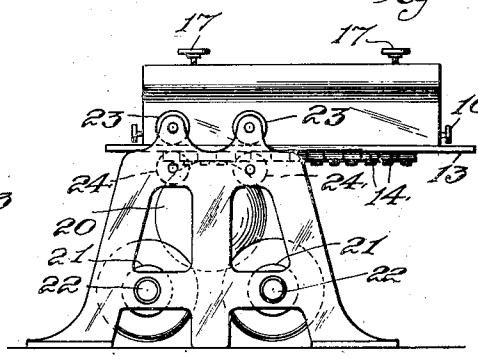
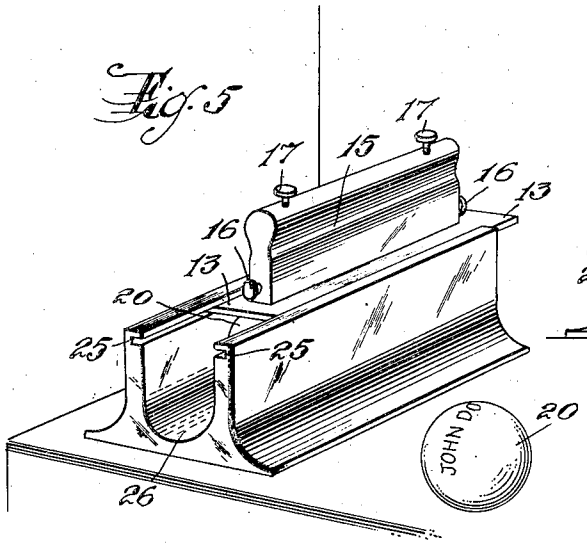


Fig. 5



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UNITED STATES PATENT OFFICE.

GEORGE W. DUCHEMIN, OF NEWARK, NEW JERSEY.

BALL MARKER.

Application filed August 6, 1924. Serial No. 730,358.

To all whom it may concern:

Be it known that I, GEORGE W. DUCHEMIN, a British subject, and a resident of Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Ball Markers, of which the following is a specification.

This invention relates to an improved machine for marking balls, and while it is adapted for many different forms of spherical bodies, its particular use will be in marking golf balls. The type of machine is one that is used in stores for identifying matter on the golf balls of purchasers, and is also used by individuals for marking their own golf balls. The invention particularly relates to a support for the ball, and in conjunction with it, a slide that includes a means for holding type or other imprinting means, which also functions as a holder for manually operating the slide.

The invention is illustrated in the accompanying drawings in which Figure 1 is a side view of my improved marker. Figure 2 is a central vertical section of the machine shown in Figure 1. Figure 3 is a section on 3—3 in Figure 1. Figure 4 is a side view of the modified form of construction, and Figure 5 is a perspective view of another modified form of construction.

In Figures 1 to 3, I show a machine having a frame constructed of side plates 10 which are braced and well separated by cross pieces 11; in the top of the machine is a slideway 12 which defines the path of travel of the slide 13, which is usually a materially stiff sheet of metal adapted to hold the type or other imprinting means, which projects from the bottom of the slide as shown at 14. The type is held in a box like case in 15 being clamped by end screws 16 and adjusted vertically by the screws 17. The type may be made in one piece as in a lino-type machine, or it can be made from separate type as shown in the drawing, and when so constructed the type is in contact with a jacking plate 18. The box-like casing 15 serves a double function in that it acts as a type holder and also forms a handle by means of which the slide is grasped. The slide is propelled through the frame, the frame being open-ended, and the slide working freely in it so that it can be passed into one end of the frame and out at the other end. To minimize the friction, I usually place a roller 19 on each side of the frame and above where the ball is supported. In the drawing I show a golf ball at 20, and the ball is supported so that it can rotate freely so that when it is marked it rotates so that it points in its periphery and are successively engaged by the type. The ball can be supported on the supporting rollers 21, journaled as at 22 in the side plates of the frame. The parts are disposed so that the ball can be only printed, or it can be supported so that a positive impression can be made in its surface.

In Figure 5 I show a modified form in which the slideway of the frame is defined by upper rollers 23 and lower rollers 24 at the top part of the frame.

In Figure 5 I show a modification in which the slideway 25 built right into the frame is the only means for guiding the slide, and the ball instead of rotating in one place is rotated along a groove or slot 26 down the centre of the frame. This form is usually made of one piece.

I claim:

A ball marker comprising a frame with slideways on the inner faces at the top, a slide freely movable in the slideways and having means for supporting a marking device on its bottom face, and rollers in the frame beneath the slideway, the rollers having recessed faces and disposed so as to permit free rotation and to prevent side motion of the ball when the ball is engaged and rotated by the bottom face of the slide.

In testimony that I claim the foregoing, I have hereto set my hand, this 31st day of July, 1924.

GEO. W. DUCHEMIN.