A. G. HUPFEL.

TYPE HOLDING MEANS FOR MARKING DEVICES.

APPLICATION FILED JUNE 28, 1921.

1,422,268.

Patented July 11, 1922.

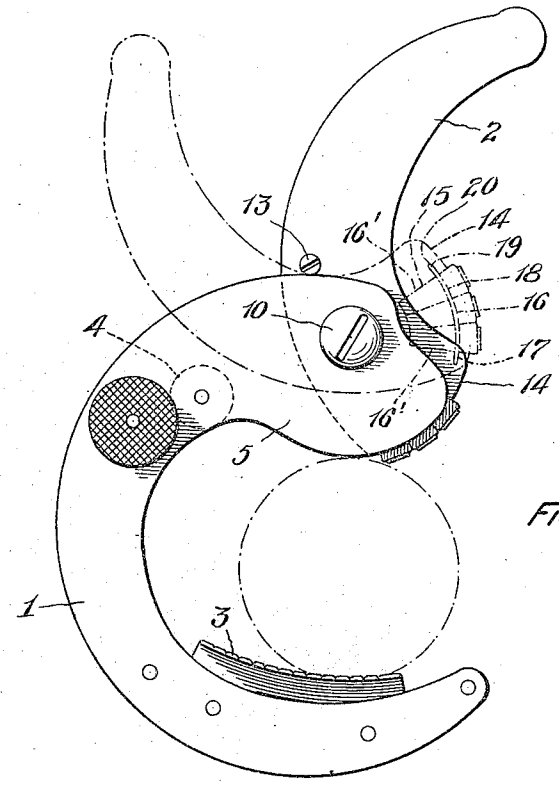


FIG. 1.

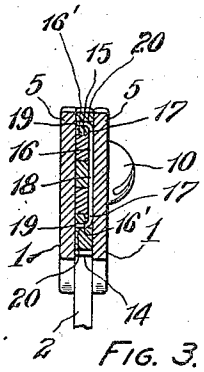


FIG. 3.

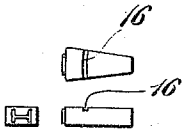


FIG. 4.

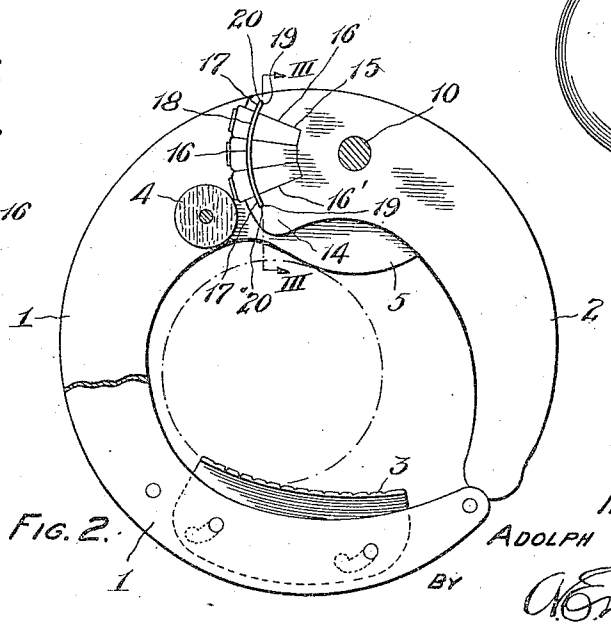


FIG. 2.

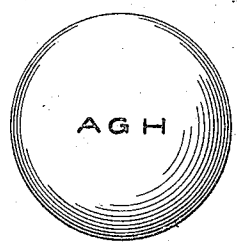


FIG. 5.

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ADOLPH G. HUPFEL, OF RENO, NEVADA, ASSIGNOR TO HUP MFG. CO. INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

TYPE-HOLDING MEANS FOR MARKING DEVICES.

1,422,268. Specification of Letters Patent. Patented July 11, 1922.

Original application filed February 7, 1921, Serial No. 443,120. Divided and this application filed June 28, 1921. Serial No. 480,990.

To all whom it may concern:

Be it known that I, ADOLPH G. HUPFEL, a citizen of the United States, resident of Reno, county of Washoe, and State of Nevada, have invented new and useful Improvements in Type-Holding Means for Marking Devices, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

My invention relates to type-holding means for marking devices and particularly to devices for marking golf balls.

This application is a division of application, Serial No. 443,120, filed February 7th, 1921.

The object of the invention is to provide means for removably securing type in a marking member of a device of the above described character.

The said invention consists of means hereinafter fully described and particularly set forth in the claims.

The annexed drawing and the following description set forth in detail certain means embodying the invention, the disclosed means, however, constituting but one of the various mechanical forms in which the principle of the invention may be applied.

In said annexed drawing:

Figure 1 represents a full sized side elevation of a golf ball marking device embodying my invention, showing parts in a position in which the marking operation is about to be inaugurated, a golf ball being shown in dotted lines in position therein, another position of the marking member being shown in dotted lines and which it occupies when it is desired to remove or insert types in place.

Figure 2 represents a side elevation partly in longitudinal section and showing the parts in the position which they occupy after the marking operation has been completed.

Figure 3 represents a detail cross-section taken upon the plane indicated by the line III—III, Figure 2.

Figure 4 represents three elevational views of a single type such as is used in this device.

Figure 5 represents an elevation of a golf ball showing a completed marking thereon.

The general construction and operation of the device as a whole, being completely described in the above mentioned pending application, the present description will be confined primarily to the type-holding means.

As set forth in the said pending application, the marking device includes among other elements, the main frame member 1, the oscillatory type-carrying lever 2, together with a suitable base member 3 and the inking roller 4. The lever 2 is mounted upon the journal-screw 10 between the two side plates 5—5, and its oscillation is limited by the stop pin or screw 13 which is removable. When this pin is removed, the amplitude or oscillation of the member 2 may be increased so as to expose its inner end to such an extent as to cause the types to clear the main member 1, as shown in dotted lines in Figure 1, whereby said types are rendered accessible to manipulation as hereinafter described. The outer end of the arm 14 of lever 2 is intersected by a type recess 15, such recess extending completely through the member 2 as shown in Figure 3. This type recess 15 has end walls 16′—16′ converging toward the axis of the lever as shown in Figure 2. The types also have end walls converging inwardly toward each other in conformity with the inclination of the walls 16′. It will be noted therefore, that when the member 2 is swung into the position shown in dotted lines in Figure 1, the type recess is exposed so that the types may be readily accessible.

Each of the types is provided at one side with a slot 16, and one side of the lever 2 is similarly slotted at each side of the recess as at 17—17, Figure 2, the slots of the type and of the arm registering with each other in an arcuate direction. These registering slots receive a wire holder 18, having two bent ends 19—19 for fixing into small holes 20—20, whereby the types are prevented from falling out radially from the recess. This wire may be fixed in the small holes

20—20 by riveting by electric welding or in any other suitable or desired manner.

The wire holder is thus inset and permitted to have its outer portion to lie flush with the lateral surface of the member 2, as shown in Figure 3.

To remove the types therefore, the stop pin or screw 13 is first removed and the lever swung into the previously described position whereby the type are cleared laterally from the main member. The types may then be removed laterally from the recess. Other types may then be inserted in place of those removed. As the type are perfectly clear laterally of the main member when the jaw is fully open, the type may be readily removed in such lateral direction while the wire holder 18 is in place. It is for this reason, that this wire holder need not be removed and may, therefore, be permanently fixed in place. Instead of single individual type, each carrying a single letter, a single slug may be substituted carrying the full legend which it is desired to impress.

While the parts occupy their normal position, viz, when the stop pin 13 is replaced, the main body of the type never leaves the space between the side plates 5—5, so that lateral removal therefore is prevented during this time.

A simple and effective means is thus provided for removably mounting the type, the arcuate form of the slots and wire holding member permitting all of the types to be made symmetrical with reference to each other.

What I claim is:

1. The combination of a main frame-member, an oscillatory member mounted in the latter and having a type-recess intersecting one of its ends; and types mounted in said recess; the axis of said oscillatory member being located so that in part of the oscillatory movement of the said member, the said recess will clear the frame member, whereby types may be removed from or inserted in said recess.

2. In a marking device, the combination of a marking member provided with a type receiving recess intersecting one end and both sides of said member; types in said recess provided with lateral end registering grooves; and means secured to said marking member engaging said grooves to hold said types in said recess.

3. In a marking device, the combination of a marking member provided with an end recess intersecting both sides of said member; types in said recess provided with lateral and registering grooves; and means permanently affixed to said marking member for engaging said grooves to hold said types in said recess.

4. In a marking device, the combination of a marking member provided with an end recess having radially and outwardly diverging end walls, said recess intersecting both sides of said member; marking types having diverging end surfaces conforming with the angle of divergence of said end walls and being provided with lateral and registering grooves; and a wire member permanently secured laterally of said marking member and engaging said registering grooves, whereby removal of said types radially from said recess is prevented, but permitted laterally in one direction.

Signed by me this 24th day of June, 1921.

ADOLPH G. HUPFEL.