

985,194.

J. M. McLAREN.
GOLF STICK.
APPLICATION FILED JAN. 27, 1910.

Patented Feb. 28, 1911.

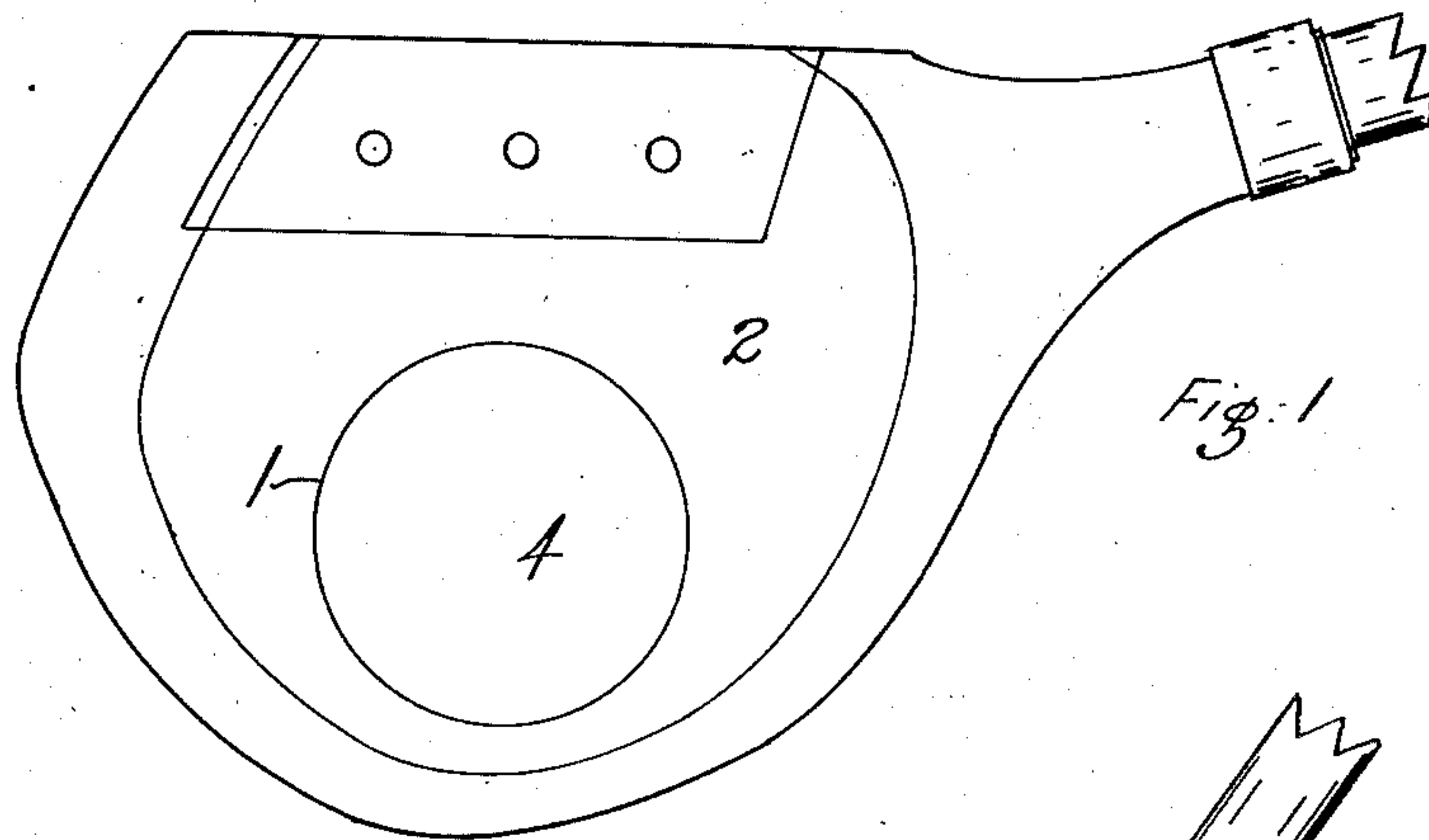


Fig. 1

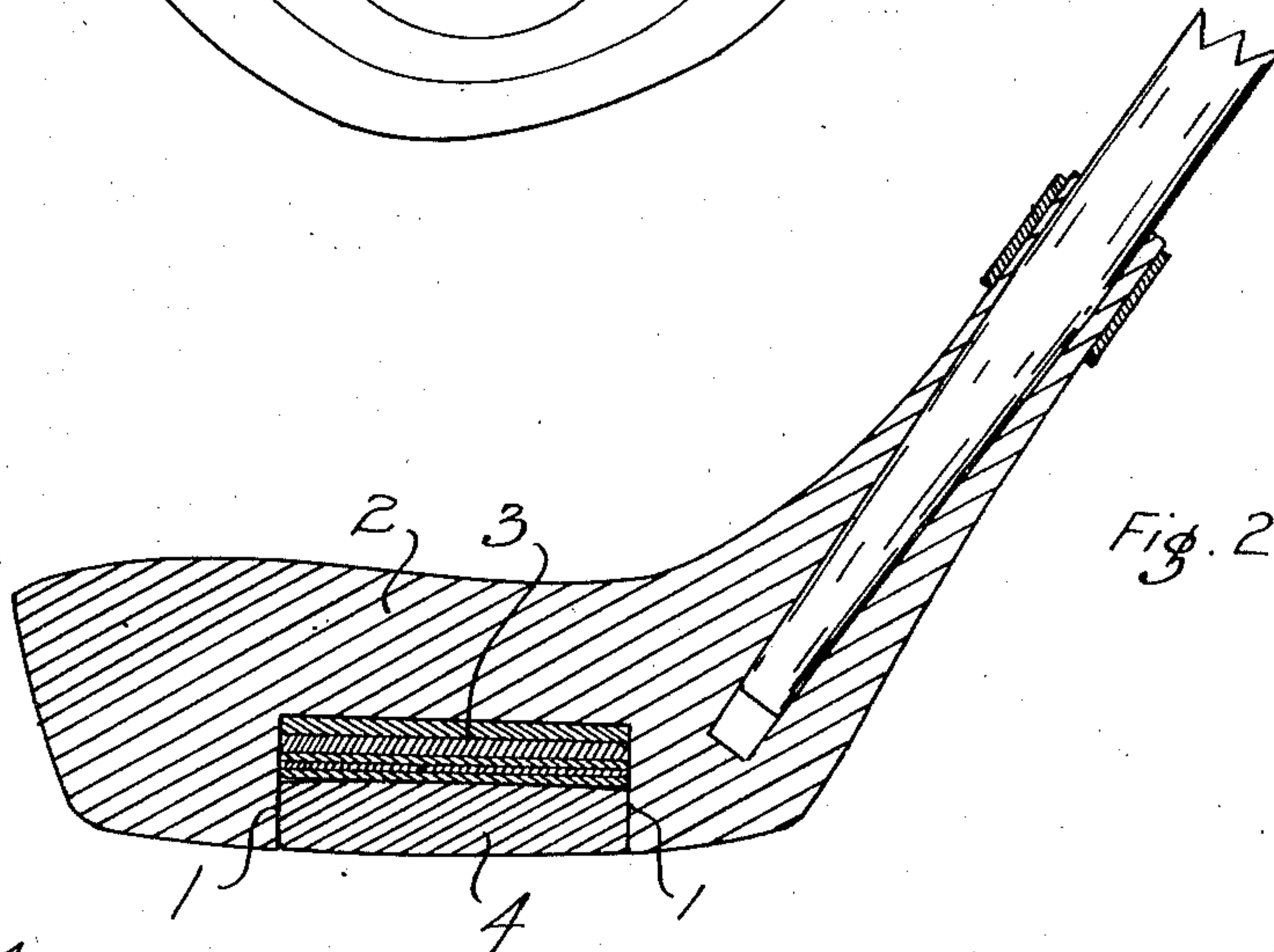


Fig. 2.

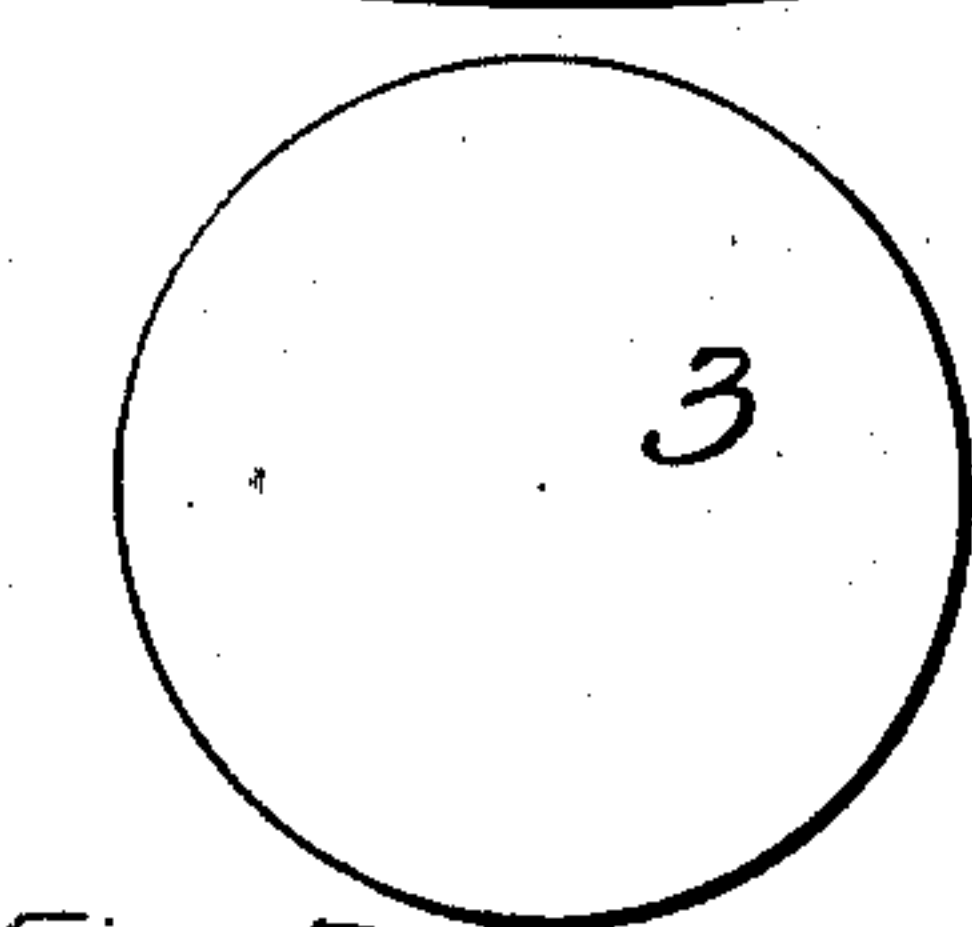
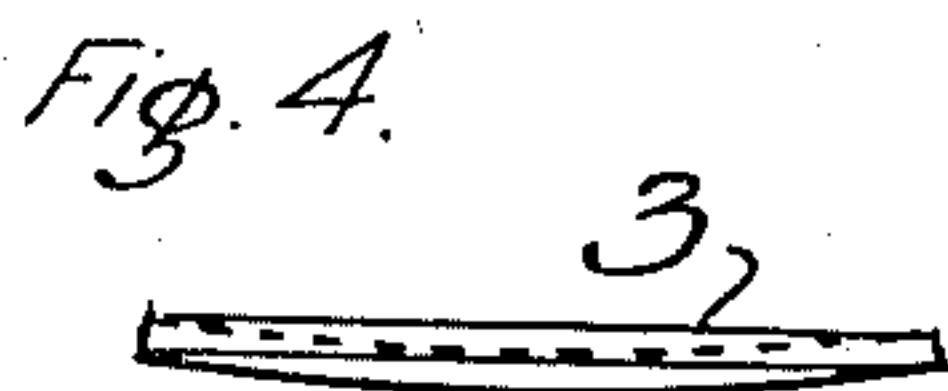


Fig. 5.

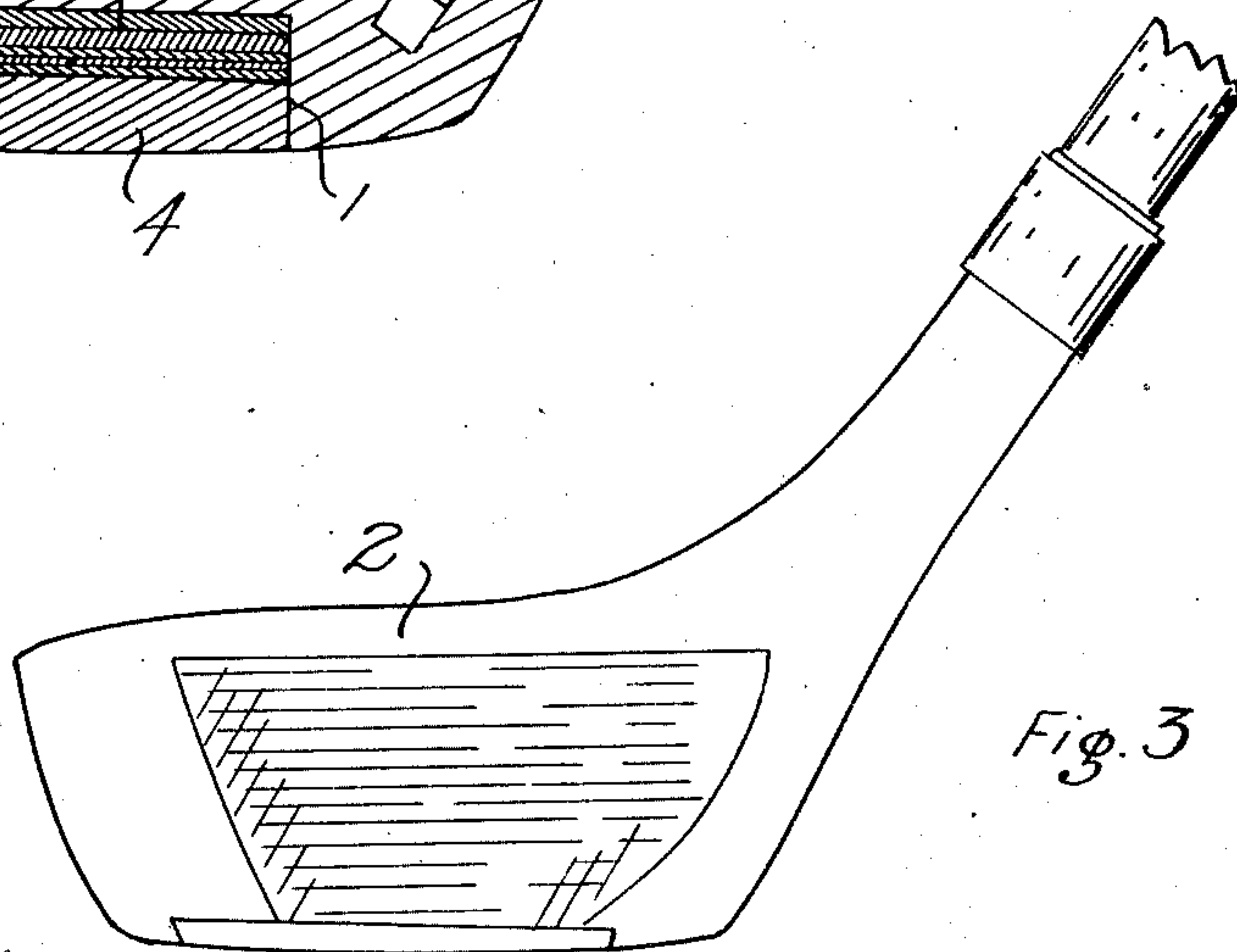


Fig. 3

WITNESSES:

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GOLF-STICK.

985,194.

Specification of Letters Patent.

Patented Feb. 28, 1911.

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To all whom it may concern:

Be it known that I, JOHN MARSHALL McLAREN, a subject of Great Britain, residing at Sandringham, near Melbourne, Victoria, Australia, have invented a new and useful Improvement in Golf-Sticks, of which the following is a specification.

My invention relates to improvements in the heads of golf sticks and has special reference to the weighting thereof.

The objects of my invention are, first, to provide a means whereby the weight of the golf stick head may be arranged or altered to suit the requirements of the user; and, second, to provide a weight which is readily inserted in place but which will be tight when the head is ready for use. I attain these and other objects by the devices illustrated in the accompanying drawing, in which—

Figure 1 is a bottom plan of the head of a golf stick; Fig. 2 is a vertical section thereof through the weights; Fig. 3 is an elevation thereof; Figs. 4 and 5 are respectively side view and plan of one of the weight nuts.

Similar numerals of reference refer to similar parts throughout the several views.

The present method of weighting golf sticks is to form a horizontal cavity therein, said cavity extending inward from the face of the stick, and then pouring molten lead thereinto. This method results, in many cases, in injuring the wood of the stick by the heat of the lead, and has the further disadvantage that the weight thus applied is largely guessed at, and once it is applied it cannot readily be altered. This necessitates a dealer in such goods to keep on hand a very large stock of similar heads differing only in weight. Now, I have overcome these objections and have produced a device whereby a buyer can choose the form of the head he desires and state the weight needed and the head may then be brought to the desired weight in a very few minutes, and this too without injuring the wood thereof by hot metal.

Referring now to the drawings:—The cavity 1 is made in the bottom surface of the head 2 and is cylindrical in form and extends about one-half way through the head. Within this cavity I place the required num-

ber of weight units which are formed of slightly dished leaden disks 3 of uniform or varying weight, and of slightly smaller diameter than the cavity 1. These disks 3 are placed with their convex surfaces toward the orifice of the cavity and then a wooden plug 4, having its end slightly convex, is driven firmly into the cavity and compresses the disks 3. This plug 4 is preferably coated with glue or other adhesive so that there will be no danger of its working loose when in use. The plug 4 is then cut and polished to conform with the surface of the head. When the disks 3 are compressed by the plug 4, they flatten and spread and grip the sides of the cavity and cannot move therein even with the severest usage. If it is desired to alter the weight of one of my improved heads, then the plug 4 is removed by drills or other suitable tools and then weights may be added to or taken from the cavity as desired. Then a new plug is driven in and glued and is then cut and polished as above stated.

Having described my invention, what I claim is:

1. In a golf stick, the combination with a head having a cavity formed in the lower side thereof and extending upward a part way therethrough; unit weights within the cavity and occupying only a portion thereof; and a plug filling the remainder of the cavity and cemented therein and engaging the end of the weight to prevent the movement thereof within the cavity.

2. In a golf stick, the combination with a head having a cylindrical cavity formed in its lower side and extending upward a part way therethrough; dished metal disks therein, of smaller diameter than the cavity, and each forming a unit weight; and a plug adapted to be driven into said cavity and to flatten said disks to spread them into contact with the cavity walls.

In testimony whereof I affix my signature in the presence of two witnesses, this 16th day of December, 1909.

JOHN MARSHALL McLAREN.

Witnesses:

EDWARD R. HULL,
WM. PLUMMER.