

No. 676,024.

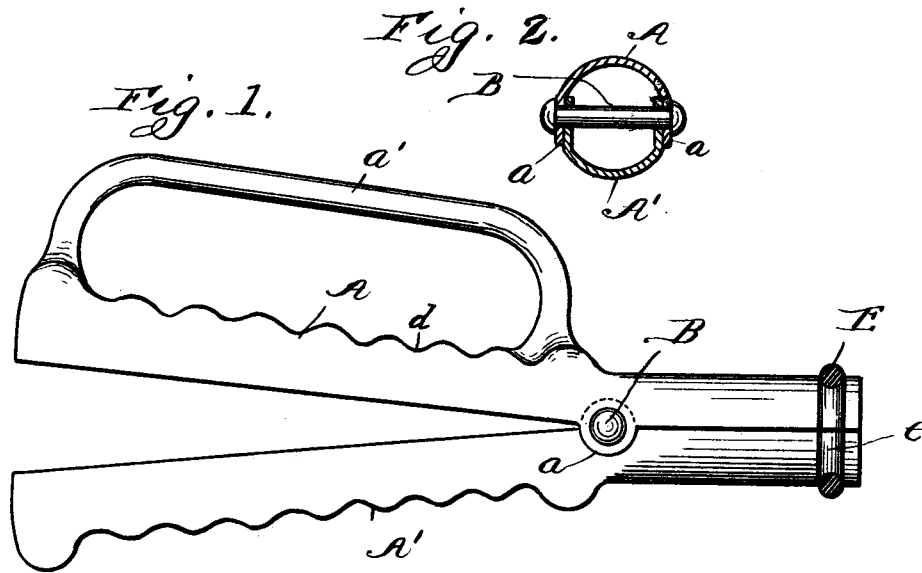
Patented June 11, 1901.

S. BERENS.

HANDPIECE FOR TENPIN BALLS.

(Application filed Aug. 31, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

STANISLAUS BERENS, OF LAGRANGE, ILLINOIS.

HANDPIECE FOR TENPIN-BALLS.

SPECIFICATION forming part of Letters Patent No. 676,024, dated June 11, 1901.

Application filed August 31, 1900. Serial No. 28,646. (No model.)

To all whom it may concern:

Be it known that I, STANISLAUS BERENS, a citizen of the United States, residing at Lagrange, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Handpieces for Tenpin-Balls, of which the following is a specification.

This invention relates to improvements in a handpiece or holder to be used in the operation of throwing tenpin-balls or balls used in various games played on bowling-alleys; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

As is well known, the large balls used in playing tenpins or employed for bowling are usually formed with two holes in which the thumb and one finger of the player are inserted to enable him to hold the ball in the act of bowling the same. These openings or holes to some extent prevent the balls rolling smoothly and also cause them to chip off or break away around said openings, thus rendering the balls unfit for use in a short time. Besides, it has been found to be objectionable to insert the thumb and finger in said openings for the reason that when wet with perspiration they will allow the ball to slip, and, furthermore, the thumb and finger are often injured by the great strain incident to the weight of the ball.

It is therefore the principal object of my invention to provide a handpiece for bowling-balls which shall be simple and inexpensive in construction, strong and durable, and will afford a positive holder for the ball and shall be of such construction that only one opening or hole in the ball is necessary.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a view in side elevation, partly in section, of a handpiece embodying my invention; and Fig. 2 is a cross-sectional view

taken at the fulcrum-point of the members forming the handpiece.

Referring to the drawings, A and A' represent the members of the handpiece, which are preferably made of metal and semicircular in cross-section, as is clearly shown in Fig. 2 of the drawings. The adjacent surfaces of the members or pieces A and A' are preferably flat and slightly inclined from each other from their fulcrumed point. One of the pieces or members is usually provided near its front or lower end with ears *a*, having openings to receive a bolt B, which passes through said openings as well as openings in the other member or piece and pivotally secures them together. The outer surface of the upper portion of each of the members A and A', or that part thereof which is gripped by the hand of the user, is preferably formed with corrugations *d* to prevent the piece slipping from the hand. One of the members is provided with a strap or piece *a'* to lie over the back of the hand or fingers, so as to prevent the handpiece slipping from the hand. The lower ends of the members A and A' are provided with external grooves *e*, in which is located a rubber ring E, which will serve to hold said ends of the members together and at the same time will cause them to engage the walls of the opening in the ball, by reason of the yielding and adhesive quality or character of the rubber or material of which the ring E is formed.

In using my handpiece the lower portion of the members A and A', being normally held together by means of the ring E, are inserted in the opening of the ball, and the outer portions of the members are grasped with the hand and pressed toward each other, which will cause the lower portion of the handpiece to be divided and engage the walls of the opening in the ball until it is desired to release the same, when the pressure from the upper portion of the handpiece may be removed.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A handpiece for bowling-balls, consist-

ing of two members pivotally secured together, having on their lower ends an elastic ring to normally hold said ends together and to engage the walls of the opening in the ball, 5 substantially as described.

2. A handpiece for bowling-balls, consisting of two members pivotally secured together and having near their lower ends an-

nular grooves, one of said pieces having on its upper portion a strap or piece, and an elastic ring or band located in said grooves, substantially as described. 10

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