No. 895,385. PATENTED AUG. 4, 1908.

J. G. MARSH.

HOOP.

APPLICATION FILED SEPT. 13, 1907.

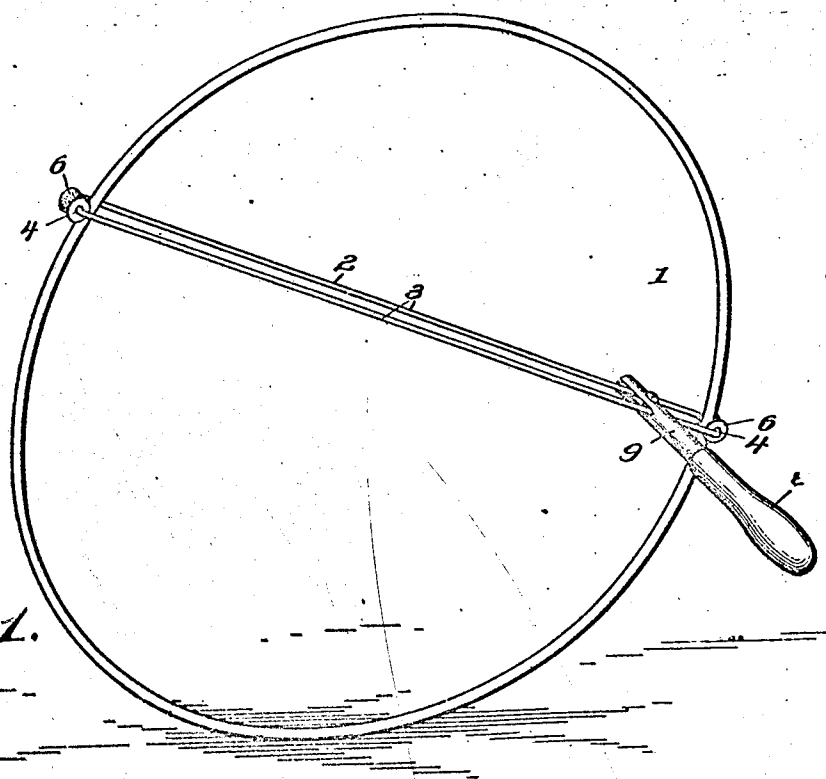


Fig. 1.

Fig. 2.

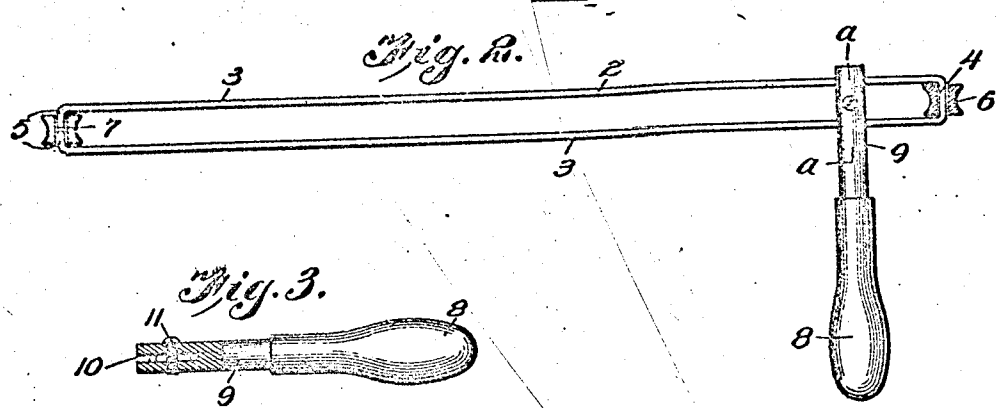


Fig. 3.

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JOSEPH G. MARSH, OF MANCHESTER, NEW HAMPSHIRE.

HOOP.

No. 895,385. Specification of Letters Patent. Patented Aug. 4, 1908.

Application filed September 13, 1907. Serial No. 392,794.

To all whom it may concern:

Be it known that I, JOSEPH G. MARSH, a citizen of the United States of America, residing at Manchester, in the county of Hillsboro and State of New Hampshire, have invented new and useful Improvements in Hoops, of which the following is a specification.

This invention relates to improvements in bowling hoops, particularly with reference to means for driving and guiding such hoops, and the said invention consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

The object of my invention is to provide a hoop with light, cheap, strong, simple and efficient means for driving and guiding the same.

In the accompanying drawings, Figure 1 is a perspective view of a bowling hoop, and driving and guiding means therefor, constructed in accordance with my invention. Fig. 2 is a top plan view of the hoop driving and guiding means, with the antifriction rollers shown in section. Fig. 3 is partly an elevation and partly a transverse sectional view, on the plane indicated by line *a*—*a* of Fig. 2.

The hoop which is here shown is a metallic hoop. It may be of any suitable construction and of any suitable material. In accordance with my invention I provide a driving and guiding link 2, which is provided with parallel arms 3 connected together at their ends as at 4—5 so as to encircle said hoop, the said link being made from a single piece of wire or rod, and bent as shown in Fig. 2, the ends 5 being inturned from the sides or arms 3. The length of the said link is somewhat less than the diameter of the hoop, so that the said link may be disposed above the center of the hoop in an inclined position as shown in Fig. 1, and so that the antifriction rollers 6—7, which are respectively mounted on guiding portion 4—5 at ends of the link may bear on opposite sides of the hoop. The said antifriction rollers are peripherally shaped to adapt them to conform to the cross sectional shape of the hoop. In connection with the said driving and guiding link, I provide a handle, 8, the inner end of stem 9 of which is forked as at 10 to receive the said link at a point in one end of the latter, and within the hoop, so that the said stem of the handle serves to prevent the said link from becoming casually detached from the said hoop. The arms of the forked portion of the said handle stem are connected together by a set screw, which passes between the sides of the said link as shown in Fig. 3. It will be readily understood that in order to drive and guide the hoop, it is only necessary to grasp the handle and run or walk with the same.

Having thus described my invention, I claim:—

1. In combination with a hoop, a link through which one side of the hoop extends, anti-friction rollers at the ends of the link to bear on opposite sides of the hoop, a handle having a stem forked at one end, said forked end of the stem extending transversely of the link at a point within the periphery of the hoop, and a set screw clamping said forked portion of the handle stem to the sides of the link.

2. A hoop driving and guiding device comprising an encircling link to receive and extend across the hoop, said link being made from a single piece of wire or rod bent to form parallel arms and transverse extending portions at the ends of said arms, anti-friction rollers mounted on said transverse connecting portions of the link and a handle having means to detachably secure the same to the link at a point within the periphery of the hoop and serving to prevent casual detachment of the link from the hoop, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH G. MARSH.

Witnesses:
M. SALMONSON,
W. WINTERSON.