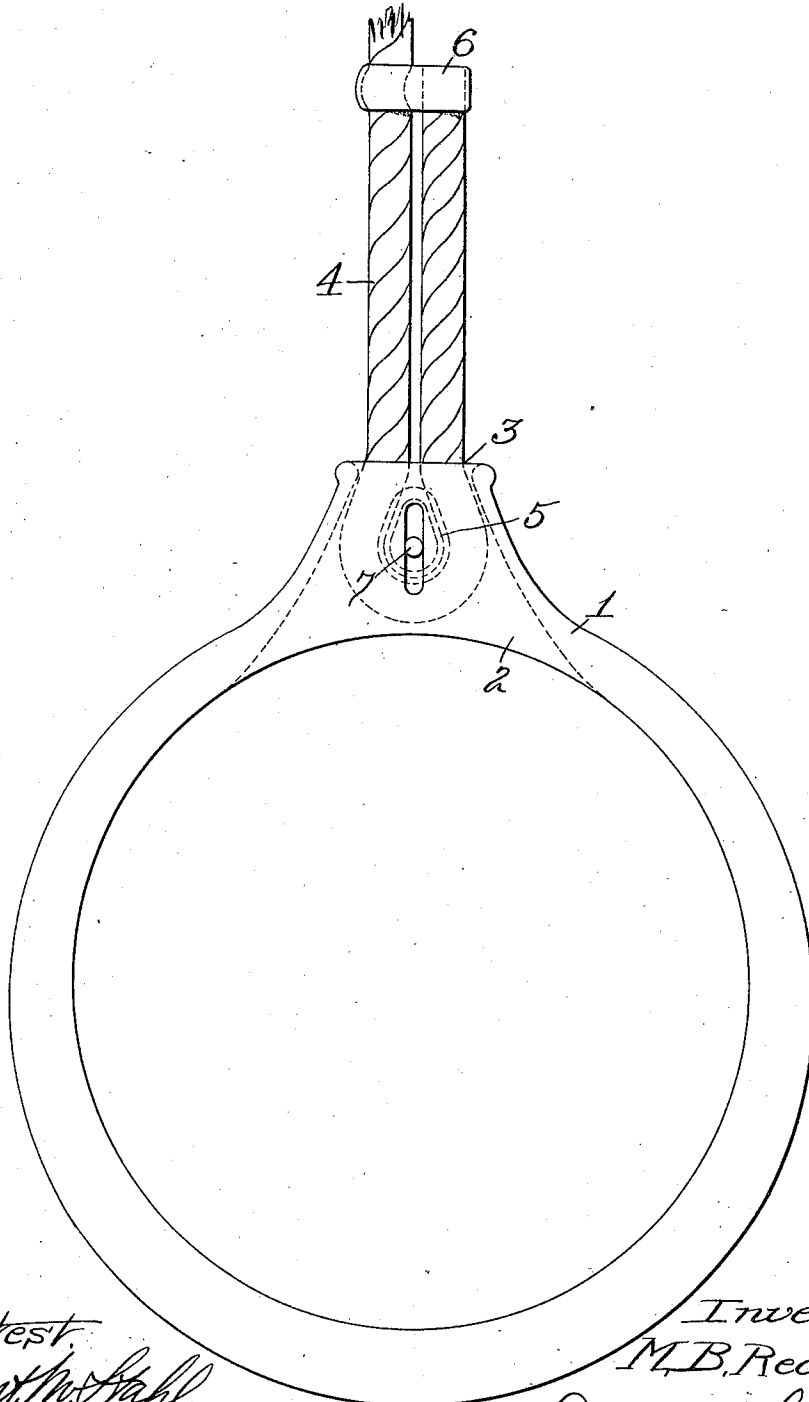


M. B. REACH.
FLYING OR TRAVELING RING.
APPLICATION FILED MAY 29, 1911.

1,013,686.

Patented Jan. 2, 1912.



Attest.
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UNITED STATES PATENT OFFICE.

MILTON B. REACH, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR TO A. G. SPALDING & BROS. MANF'G. CO., A CORPORATION OF MASSACHUSETTS.

FLYING OR TRAVELING RING.

1,013,686.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed May 29, 1911. Serial No. 629,998.

To all whom it may concern:

Be it known that I, MILTON B. REACH, citizen of the United States, residing at Springfield, Massachusetts, have invented certain new and useful Improvements in Flying or Traveling Rings, of which the following is a specification.

My invention relates to gymnasium apparatus and particularly to a construction of flying ring having means for receiving a suspending rope and means for clamping the rope at any desired elevation.

The invention is illustrated in the accompanying drawing, which represents a side elevation of the flying ring or a traveling ring with a part of the suspending rope and means for clamping the rope to hold the flying ring at different elevations, as may be desired.

The flying ring is of substantially known construction so far as its main portion is concerned, differing, however, from the ordinary construction in that it has an upwardly directed extension or socket at the top, the sides of the ring being carried to the top of this socket portion, as indicated at 1, the sides of the socket at 2 extending across the space between the upwardly directed and converging walls 1. There is an opening at 3 between the walls 1 at their upper ends to receive the rope 4 which extends down through the mouth of the socket and around a wedge piece 5, thence upwardly on the other side of the wedge piece, the terminal end of the rope lying alongside of the main portion and being connected therewith by a clip 6 which is fixed to the terminal end and has a curved opening or passageway through which the main portion of the rope passes, whereby this main portion is slightly deflected from its axis to cause the clip to better grip the rope. The wedge 5 tapers upwardly and is grooved on its periphery to receive the rope, and it is provided with pins on its sides entering slots, as at 7, in the sides of the socket portion of the ring. When it is desired to adjust the height of the ring, it is simply necessary to thread the rope through the socket by pushing down on one side while lifting on the other, and adjusting the clip 6 along the main portion of the rope. This action releases the wedge and when the proper

height has been attained, a pull downwardly on the ring will lift the wedge upwardly and cause the same to clamp the rope in the upwardly tapering socket of the ring. It will be observed that each ring thus carries its own adjusting and clamping device, and this being located at the lower end of the rope, is readily accessible for adjustment.

It will be observed that the socketed extension of the ring is wholly within the planes of the sides of the ring and the suspending rope is between these planes. An advantage accrues from this construction in that there are no protuberances, or sharp edges or points as exist in constructions where the rings have been made solid with an eye cast thereon which receives some form of iron clamp.

In many of the exercises on these rings, the head is down and the feet up, and a ring having a smooth surface at its upper end and free from projections at the point of attachment with the rope is desirable. Furthermore, the socket opening extends to the interior space of the ring, that is, the socket is open below, thus enabling free access to be had to the rope for aiding in its adjustment.

I claim as my invention:

1. A flying ring having an extension at its upper end provided with a tapered socket, and a wedge piece within the socket to hold the rope providing suspending means wholly within the planes of the sides of the ring, substantially as described.

2. A flying ring having an extension at its upper part with a tapered socket therein open at top and bottom and a sliding wedge in said socket, substantially as described.

3. A flying or traveling ring for gymnasiums having a socket at its upper part through which the suspension rope extends, means in said socket for clamping the rope and a clip for adjustably holding the terminal of the suspension rope to the main portion thereof, substantially as described.

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

MILTON B. REACH.

Witnesses:

BEATRICE BARTLETT,
E. P. FINIGAN.