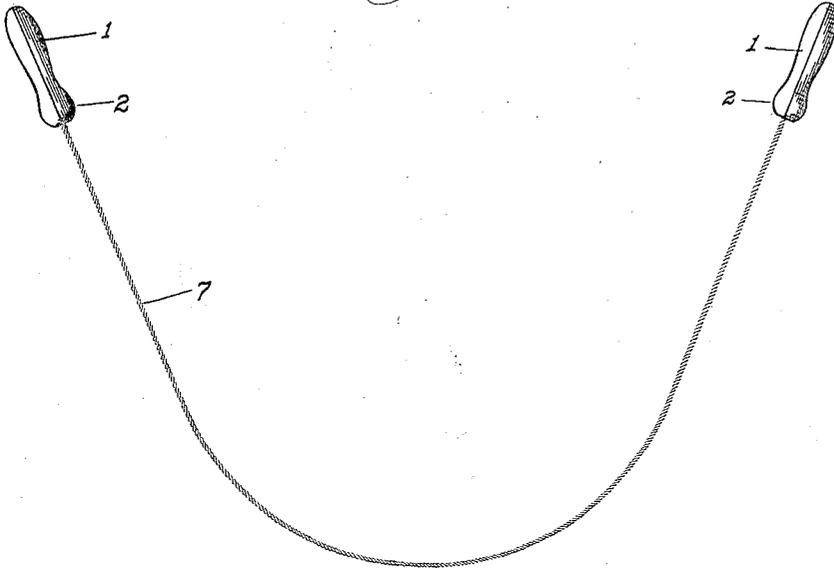


H. W. FISHER.  
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APPLICATION FILED MAR. 7, 1921.

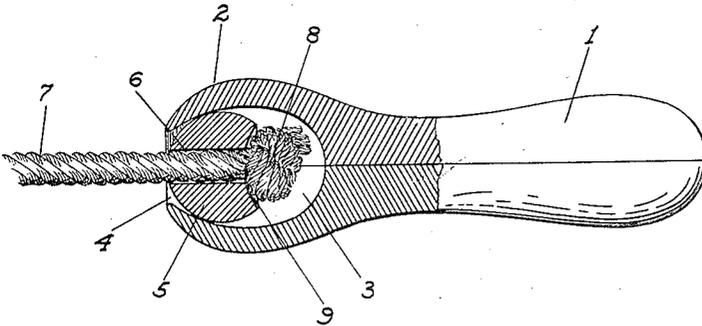
1,436,703.

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*Fig. 1*



*Fig. 2*



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# UNITED STATES PATENT OFFICE.

HERMAN W. FISHER, OF MANTECA, CALIFORNIA.

## ROPE HANDLE.

Application filed March 7, 1921. Serial No. 450,128.

*To all whom it may concern:*

Be it known that I, HERMAN W. FISHER, a citizen of the United States, residing at Manteca, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Rope Handles; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in skipping ropes such as are used by children for playing and exercising, the principal object being to provide a novel form of handle for the rope whereby the latter may be attached thereto without projecting through the handle, as is now common.

Another object is to provide for perfect freedom of the rope-ends relative to the handles, so that the rope cannot become twisted, and tend to fray at the junction with the handles, when the rope is twirled while the handles are held stationary.

There is also no chance for the handles to slip down on the rope, or for the handles to come off.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purposes which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Fig. 1 is a view of a complete skipping rope showing my improved handles thereon.

Fig. 2 is an enlarged section through one of the handles.

Referring now more particularly to the characters of reference on the drawings, the numeral 1 denotes a handle in general, preferably made of wood. One end of the handle is somewhat enlarged as at 2, and hollowed out so as to form a substantially egg-shaped recess as at 3, the end of the handle having

an opening 4 leading to the hollowed out portion, of smaller diameter than the greatest diameter of said recess.

Mounted freely in the recess 3 but of greater diameter than the outlet 4 is a ball 5 provided with a central orifice 6 there-through, to receive one end of a rope 7, which projects through the orifice and is then knotted as at 8, such knotted end being preferably seated in a cupped depression 9 on the inner end of the ball.

In order to insert the ball, if the handles are of wood, the latter are made in two sections, as shown, glued or otherwise secured together.

If the handles are made of metal, the open end may be headed over after the ball is inserted, the rope of course being first secured to the latter in either case.

The device is thus in reality a form of universal joint between the handle and the rope, allowing the latter considerable range of swivel movement without fraying or twisting, since as soon as the handle and ball are slack, the latter will turn to its normal position if the rope has become twisted.

I have particularly described the handles as being applied to a skipping rope, but it may be evident that they may be applied to any rope fitted with a handle.

It will be noted that the ball is completely socketed within the handle, which protects the surface of the same from being nicked or marred, which would interfere with its freedom of movement and gives it a better bearing in the handle, tending to prevent any binding action.

It will also be seen that the rope passes snugly through a fairly long hole in the ball, which gives the rope a good bearing in the ball, and prevents it being easily twisted and chafed by turning to engage the edges of the hole.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfills the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations

from such detail may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claim.

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

A handle for ropes, said handles being recessed in one end, a ball turnably seated

therein, said ball being held from projecting at any point beyond the recessed end of the handle, and a rope-end fixed to the ball, the latter being provided with a relatively long orifice through which the rope snugly passes.

In testimony whereof I affix my signature.

HERMAN W. FISHER.