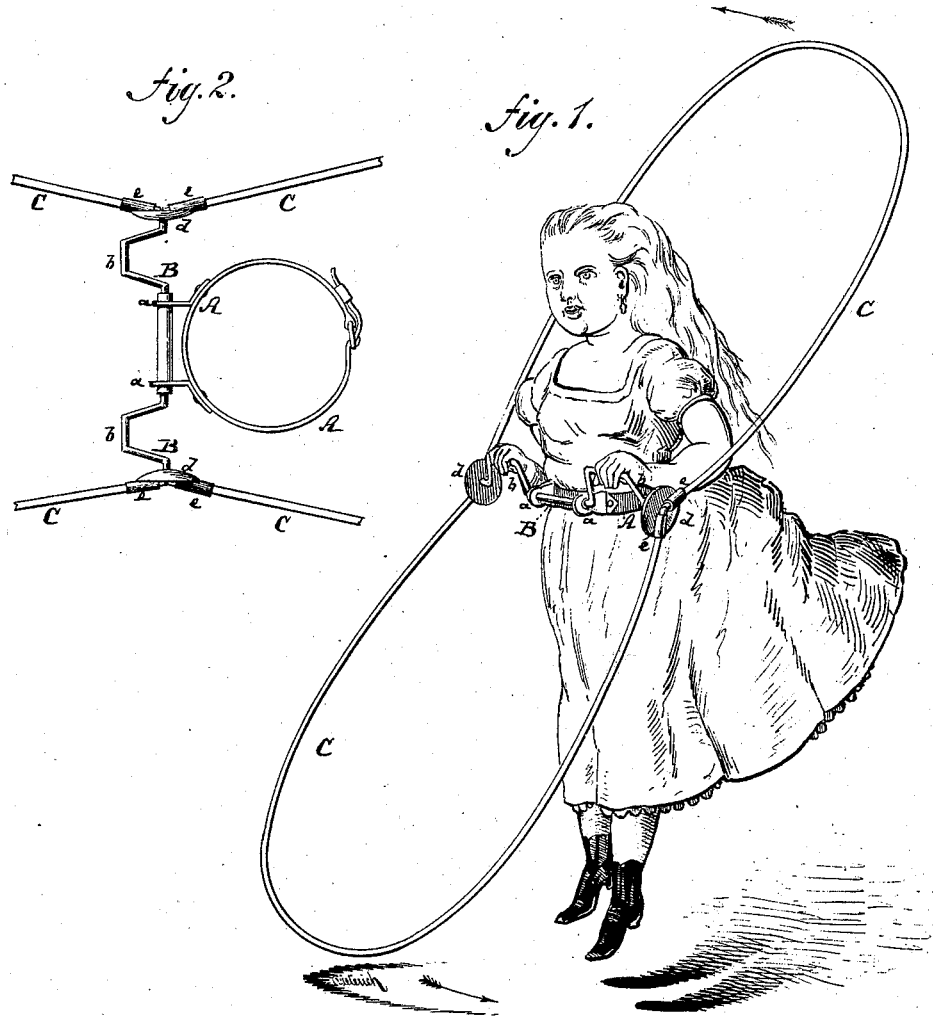


J. A. CRANDALL.
SKIPPING-APPARATUS.

No. 169,625.

Patented Nov. 9, 1875.



WITNESSES:

A. Moraga.
C. A. Wickner.

INVENTOR:

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BY

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JESSE A. CRANDALL, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND SYLVANUS WHITE, OF SAME PLACE.

IMPROVEMENT IN SKIPPING APPARATUS.

Specification forming part of Letters Patent No. 169,625, dated November 9, 1875; application filed September 4, 1875.

To all whom it may concern:

Be it known that I, JESSE A. CRANDALL, of Brooklyn, Kings county, New York, have invented an Improved Jumping or Skipping Apparatus for Children, &c., of which the following is a specification:

Figure 1 is a perspective view of my improved jumping or skipping apparatus. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention is intended as a substitute for the jumping or skipping ropes now usually employed by children; and consists in applying a rotary crank-shaft to a belt, which is put around the waist of the player, and in attaching a hoop or hoops to the ends of such rotary shaft, so that the player, by revolving the shaft by means of the cranks, may cause the hoop or hoops to revolve around his body, the player being obliged to jump over such hoop as the same approaches his feet, as he would with an ordinary jumping-rope.

In the drawing, the letter A represents a belt or waistband carrying projecting lugs *a*, in which a shaft or wire, B, has its bearings. I prefer to form cylindrical sockets on the ears *a*, for giving a longer support to the wire or shaft B. The shaft B is, by preference, bent into the form of cranks *b* outside of the lugs or projections *a*, so that the person around whose waist the belt A is secured may conveniently turn the shaft B with his hands, provided the belt is so applied that such shaft will come in front of the body. To the ends

of the shaft or wire B are attached the ends of a hoop, C, which is made of rattan or other suitable material, and which may also be made of rigid or slightly flexible side pieces, whose outer ends are joined by a piece of cord or otherwise.

Instead of one hoop, C, there may be two attached to the ends of the rotary shaft or wire, the two being, by preference, placed in line with each other, so that when one passes under the feet of the player the other may pass over the head, as indicated in Fig. 1.

The attachment of the ends of each hoop may be by suitable means; but I prefer to form a small disk, *d*, at each end of the wire or shaft B, and to clamp the ends of the hoop in sockets *e* formed on such disks.

This instrument, when properly handled, will afford much amusement to children, and give occasion for graceful motions. With the latter view it may be successfully employed on the stage by ballet-dancers and others.

The invention is also applicable to mechanical toys, where the shaft or wire B can be revolved on a toy figure by mechanical means.

I claim as my invention—

The combination of the belt A with the rotary crank shaft or wire B and jumping or skipping hoop or hoops C, substantially as and for the purpose specified.

J. A. CRANDALL.

Witnesses:

E. C. WEBB,
O. A. WEIDNER.