July 31, 1951 C. P. BOYD 2,562,522

SAFETY HOOP ROLLING DEVICE

Filed June 4, 1948

Fig. 1

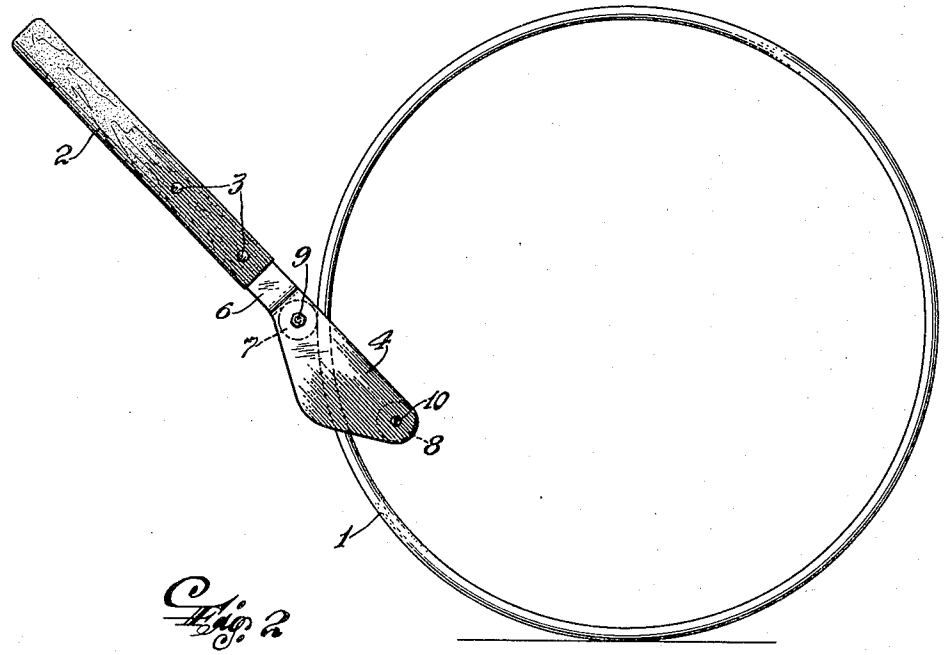
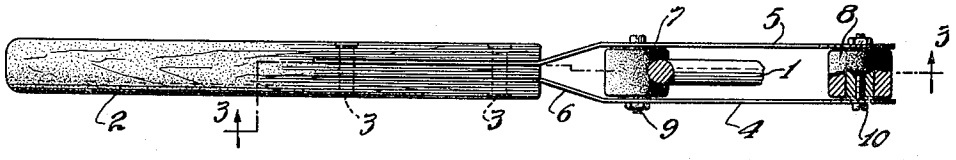


Fig. 2



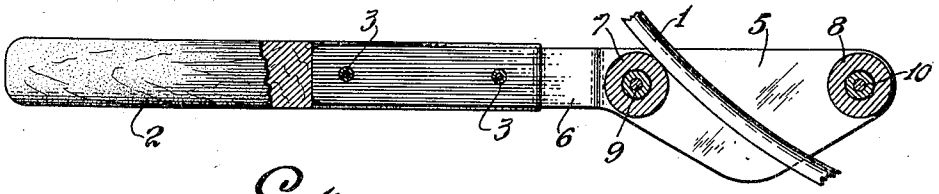


Fig. 3

INVENTOR.
Cecil P. Boyd
BY
A. D. T. Libby
ATTORNEY

Patented July 31, 1951

2,562,522

UNITED STATES PATENT OFFICE

2,562,522

SAFETY HOOP ROLLING DEVICE

Cecil Perry Boyd, Gettysburg, Pa.

Application June 4, 1948, Serial No. 31,040

2 Claims. (Cl. 46—220)

1

This invention relates to a safety hoop rolling device and has for its principal object the provision of means for giving to children exercise without jeopardizing themselves or anyone else by means of a hoop roller that is always under their control so they will not be drawn off the sidewalk into the street in front of passing vehicles as very frequently happens when hoop rolling in the usual way by batting the hoop with a stick or equivalent.

Another object is to provide a hoop roller that will attain the main object in a relatively simple and inexpensive manner.

My improved form of hoop roller is illustrated in the accompanying drawing wherein,

Figure 1 is a side elevation of the complete device.

Figure 2 is a plan view partly in section of the hoop operating tool.

Figure 3 is a view on the line 3—3 of Figure 2.

In the different views wherein like numbers refer to corresponding parts I is a hoop made of $\frac{5}{16}$ in. diameter rod of metal that preferably will not rust. For children around six years of age the hoop can be about two feet in diameter, while for older ones, say 10 to 12 years of age the hoop may be around three feet in diameter.

For operating the hoop, I have provided a handle that may be of wood or plastic. As shown, the strips 4 and 5 are held in slots and to the handle 2 by rivets 3 but the handle may be made in three pieces held together by screws or preferably by rivets such as are used in pocket knife handles. These rivets also hold two strips 4 and 5 to the handle. The strips 4 and 5 may be made of thin metal such as galvanized steel and have offsets where they leave the handle to provide a space having a width of from $\frac{5}{8}$ to $\frac{3}{4}$ inch for rollers 7 and 8 which are held in position by bearing studs 9 and 10. The rollers are made of suitable material such as plastic or rubber vulcanized hard enough to withstand considerable wear. The rollers 7 and 8 should have a diameter of about $\frac{3}{4}$ of an inch and have their axes spaced one from the other approximately 3 inches. As will be seen from Figure 1 the hoop is pushed forwardly by the roller 7, it being understood that the handle 2 should be held to make an angle of about 45 degrees with the horizontal diameter of the hoop but held so the roller 7 is below this diameter.

By pushing on the handle 2, the hoop 1 is put into rolling action and of course, the operator

2

must run to keep it rolling. When it is desired to stop the hoop or slow it up, the handle 2 is operated to bring the roller into braking engagement with the inner surface of the hoop. It will be readily seen from Figure 3 that the side strips 4 and 5 have downwardly extending portions located approximately midway between the rollers 7 and 8 and these portions act as side guides for the hoop thereby forming a bottomless guide pocket and since the hoop is between the two rollers 7 and 8 it is under the control of the handle and can thus be prevented from getting away from the operator.

Having thus described my invention, what I claim is:

1. A safety hoop rolling structure including a hoop and means for operating it, said means comprising a handle carrying two laterally spaced members of suitable material, said members being offset where they leave the handle, a push roller located between said members closely adjacent the offset and only one brake roller located near the free ends of said members, the hoop being looped between said rollers for action thereon by the rollers.

2. A safety hoop rolling structure including a hoop and means for operating it, said means comprising a handle carrying two laterally spaced members of suitable material, said members being offset where they leave the handle, a pair of rollers located in longitudinally spaced relation between said members, each of said members having a downwardly extending portion located between and below said rollers to form a bottomless side guide pocket within which the hoop is located, said hoop being looped between said rollers so as to be operated on by either roller and guided by said downwardly extending portions.

CECIL PERRY BOYD.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
66,697	Faye	July 16, 1867
90,700	Taylor	June 1, 1869
217,118	Koehl	July 1, 1879
932,451	Draper	Aug. 31, 1909
1,427,070	Cole	Aug. 22, 1922
1,574,255	Myslinski	Feb. 23, 1926
1,714,448	Roth	May 21, 1929