Jan. 22, 1929. 1,700,007

C. H. WEICKER

BOWLING BALL RETURN CHECK

Filed Dec. 17, 1927

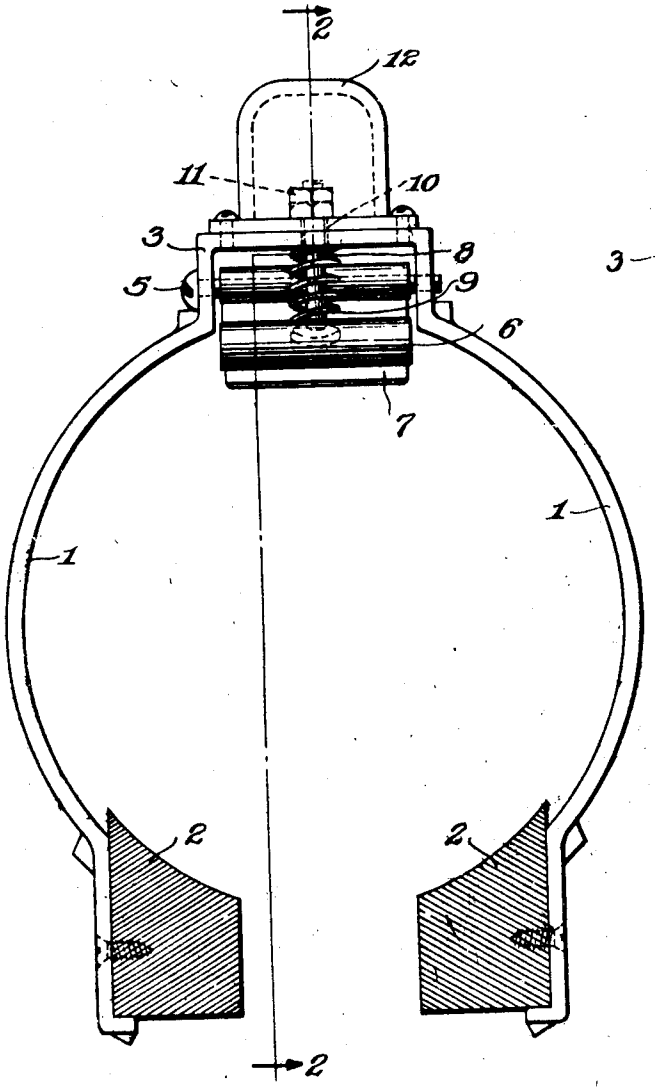


Fig. 1.

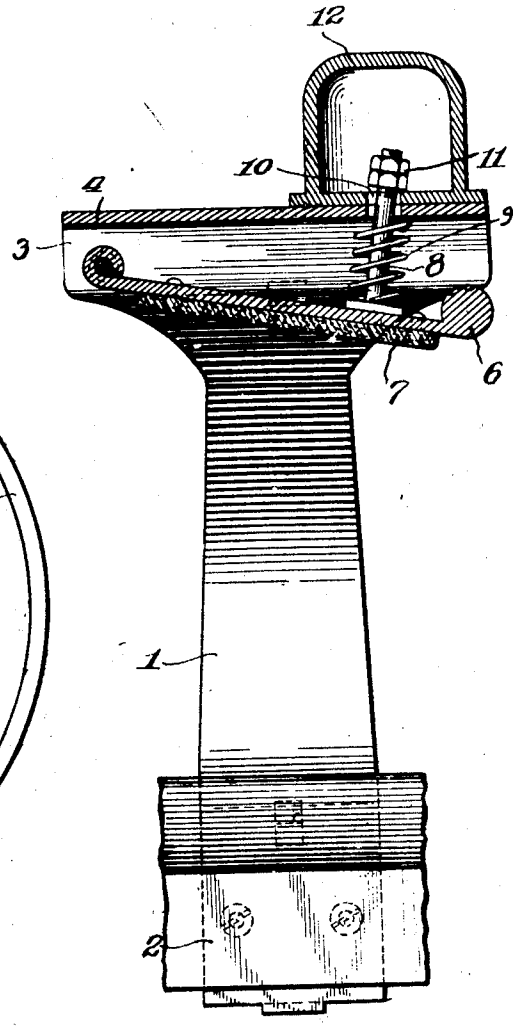


Fig. 2.

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1,700,007

UNITED STATES PATENT OFFICE.

CARL H. WEICKER, OF TORONTO, ONTARIO, CANADA, ASSIGNOR TO THE BRUNSWICK-BALKE-COLLENDER COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE.

BOWLING-BALL RETURN CHECK.

Application filed December 17, 1927, Serial No. 240,746, and in Canada November 29, 1927.

My invention relates to bowling ball returnways, and more particularly to devices for checking or retarding the speed of balls being returned thereon.

An object of my invention is to provide such a device in which a brake pad is positioned over the center of the returnway so as to contact with and check any ball passing thereunder.

A further object of my invention is to provide a device for retarding the movement of bowling balls on returnways which will be simple, inexpensive and efficient.

Other objects and advantages will appear as the description proceeds.

Referring now to the drawings forming a part of this specification;

Fig. 1 represents an end elevational view of a device embodying my invention, a returnway being shown in section, and

Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1.

A pair of standards 1 are secured to strips 2 which constitute a returnway for bowling balls. Above the returnway the standards are bowed outwardly to permit the passage of bowling balls on the returnway. Each standard is integral with a vertical side 3 of a housing which has a horizontal top 4.

Pivotally mounted on a pintle 5 passing through the sides of the housing is a brake shoe 6, to which is secured a brake pad 7. A rod 8 is rigidly attached to the brake shoe, and has a spring 9 coiled thereabout. The rod extends through an opening 10 in the top of the housing and is threaded to receive nuts 11.

Over the housing and attached thereto by any suitable means, as by screws, is a cap 12, which receives the rod 8 when the latter is moved upwardly.

When a ball rolls on the returnway 2 it contacts with the brake pad 7 and the pressure exerted by the spring 9 tends to check the speed of the ball. As the action of the brake is downward it may exert considerable pressure on the ball without forcing it off the returnway. The housing and the caps serve as guards to prevent accidental injury of a person by the moving parts.

The brake pad may be raised or lowered by adjusting the nuts 11 and when in a lowered position it exercises a greater braking action.

While I have disclosed a preferred embodiment of my invention, changes may obviously be made therein without departing from the spirit of my invention or the scope of the appended claims.

What I claim and desire to secure by Letters Patent is:

1. The combination of a pair of strips constituting a returnway for bowling balls, a pair of standards secured to said strips and outwardly bowed to permit a bowling ball to travel on said returnway, a housing comprising a horizontal top and vertical sides, said sides being integral with said standards, a brake member pivoted on and movable between the sides of said housing, a spring mounted within said housing for forcing said brake member downwardly, and means for limiting the downward movement of said brake member.

2. The combination with a bowling ball returnway, of a ball check comprising a standard secured to said returnway, a brake housing on said standard having an opening therein, a brake member pivotally supported at one end by said housing, a rod secured at one end to said brake member and extending through said opening in said housing and threaded at the other end, a spring surrounding said rod and compressed between said brake member and said standard, a nut on the threaded end of said rod engageable with said housing for limiting downward movement of said brake member to a point where said brake member is engageable with a ball moving on said returnway and a cap secured to the upper face of said housing and covering said nut.

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