July 24, 1951 W. KUSNAROWIS 2,561,743

BELL ATTACHMENT FOR SKATES

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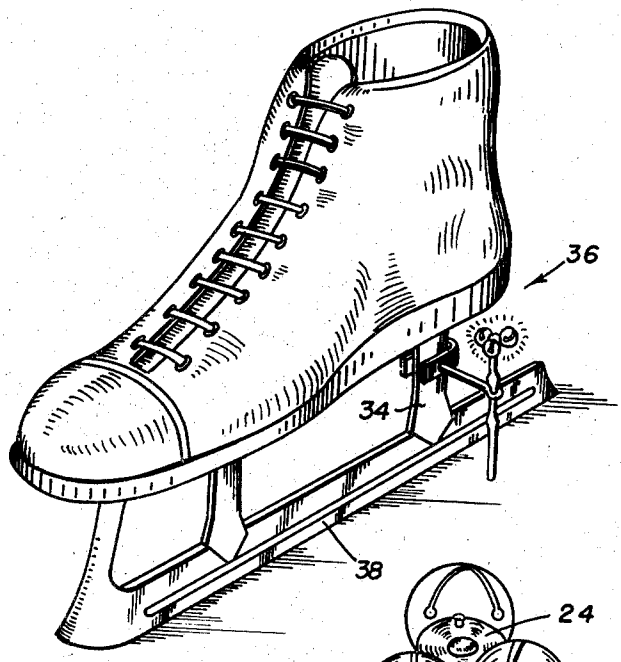


Fig. 1.

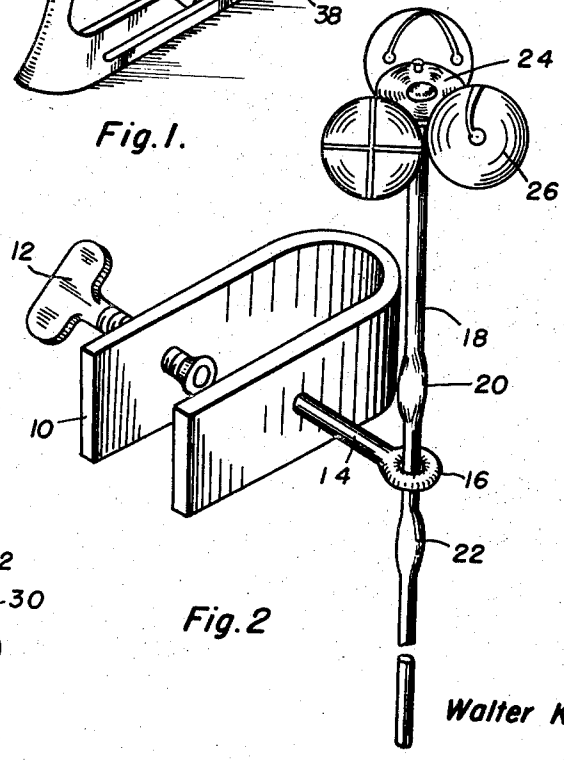


Fig. 2

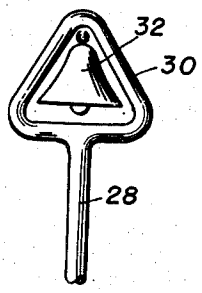


Fig. 3.

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BELL ATTACHMENT FOR SKATES

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8 Claims. (Cl. 46—175)

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This invention relates to new and useful improvements in bell attachments and the primary object of the present invention is to provide a noise making device for skates, sleds and the like.

Another important object of the present invention is to provide a bell attachment of the character referred to capable of effectively producing a ringing sound upon a tilting action of the element on which the device is mounted.

A further object of the present invention is to provide a noise making device that is quickly and readily attached to a skate, sled or the like and is so designed to in no way affect the normal use of the element to which the same is applied.

A still further aim of the present invention is to provide a device of the class described that is simple and practical in construction, strong and reliable in use, neat and attractive in appearance, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which—

Figure 1 is a perspective view showing the present invention applied to an ice skate;

Figure 2 is a perspective view of the noise making device constructed in accordance with the present invention; and

Figure 3 is a fragmentary front elevational view showing the bell means in slightly modified form.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a substantially U-shaped clamping member which is preferably disposed horizontally to a supporting element, and secured by virtue of the screw portion 12 of said member.

Projecting outwardly from one side of the clamping member is a supporting arm 14 terminating in an eye 16.

Mounted in eye 16 at substantially right angles to arm 14 is a resilient bell holding arm 18 provided with spaced apart protuberances 20 and 22 on opposite sides of the eye 16 that limit the movement of arm 18 relative to arm 14.

At the upper end of arm 18 is a bell holding plate 24 on which are mounted a plurality of any suitable type of bell 26.

Figure 3 illustrates the bell holding arm 28 of slightly modified form, wherein at the upper end

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of arm 28 is an integral substantially triangular frame 30 to which is mounted a swingable bell 32 of any desired form, the operation and other component parts of this modified form of the device being similar to the previously described member.

In use of the noise device, the clamping member 10 is attached to the runner supporting bracket 34 of an ice skate 36, as shown in Figure 1, so that the lower end of the bell supporting arm is in the same plane as the lower edge of the runner or blade 38 of the skate. By tilting the runner slightly outwardly the lower end of the bell supporting arm contacts the surface over which the skate is traveling and protuberance 22 is forced against eye 16 causing a ringing of the bells to afford an amusing novelty for children and adults.

Obviously the device may also be attached in a similar manner to the runner of a sled, the wheel supporting frame of a roller skate or to any other such sport article means for adding to the amusing use thereof.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described my invention, what I claim as new is:

1. A bell attachment of the class described comprising a substantially U-shaped clamping member, a supporting member projecting from said clamping member terminating in an eye, a vertically disposed bell holding arm carried by said eye and freely slidable vertically in said eye, the axis of said arm being at right angles to the axis of said supporting member, means carried by said arm limiting movement thereof relative to said supporting member, and bell means carried by the upper portion of said arm.

2. In combination with an ice skate including a runner support and a runner having a lower edge, a noise making attachment comprising, a clamp mounted on the runner support, an arm projecting outwardly from said clamp and disposed laterally of the runner support and in a substantially horizontal position, said arm having a terminal eye, a further vertically disposed arm slidably

received in said eye and having a pair of spaced protuberances forming stops for selectively engaging the eye to limit the vertical sliding movement of said further arm, said further arm having a lower end extending well below the clamp and substantially coplanar with the lower edge of said runner to contact the surface over which the skate is travelling, and sound-emitting means carried by said further arm and responsive to movements of said further arm for emitting a sound.

3. The combination of claim 2 wherein said further arm is resilient.

4. In combination with an ice skate having a runner support and a runner carried by said support and including a lower edge, a noise making device comprising a clamping member mounted on the runner support, bell supporting means supported on said clamping member and including a vertically disposed resilient arm having a lower end coplanar with the lower edge of said runner, and bell means carried by said arm.

5. A bell attachment for skates comprising a clamping member, bell supporting means supported by said member and including a circular opening, a vertically disposed ground contacting resilient arm having a central portion received in said opening, said central portion being of a diameter less than the diameter of said opening to permit the arm to rotate and slide in the opening, means on the arm engageable with the bell supporting means to limit vertical sliding movement of the arm, and bell means carried by the upper portion of the arm.

6. In combination with an ice skate having a runner support and a runner carried by said support and including a lower edge, a noise making device comprising a clamping member mounted on the runner support, a horizontally disposed arm carried by and projecting from said member, an eye on said arm, an elongated vertically disposed bell holding member slidably received in said eye and having a lower end substantially coplanar with the lower edge of said runner, stop means carried by said bell holding member for engaging the eye to limit sliding movement of the bell holding member, and bell means supporting on the upper portion of said bell holding member.

7. The combination of claim 6 wherein said stop means includes a pair of spaced protuberances on said bell holding member, both of said protuberances being located intermediate the ends of said bell holding member.

8. In combination with an object having a lower ground contacting surface, a sounding device comprising an elongated vertically disposed member mounted on said object for vertical sliding movement and having a lower end substantially coplanar with said ground contacting surface, and sound-emitting means carried by said member and responsive to movement of said member relative to the object for emitting a sound.

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