Aug. 2, 1927. 1,637,574

E. KARIKAS

LIFE SAVING DEVICE FOR CHILDREN

Filed March 6, 1926

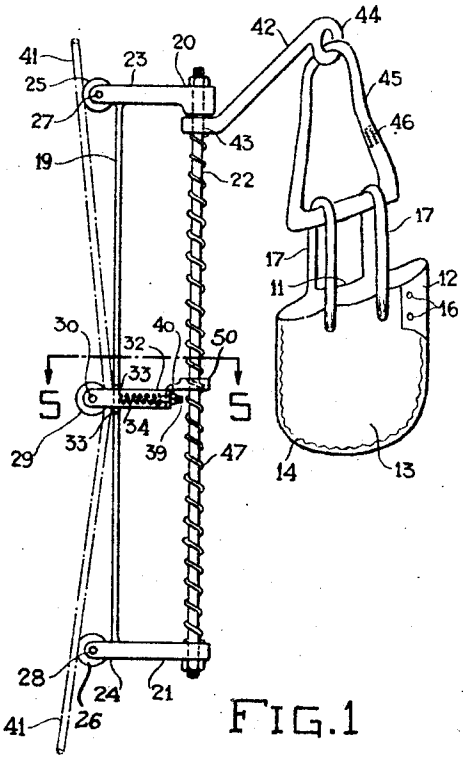


FIG. 1

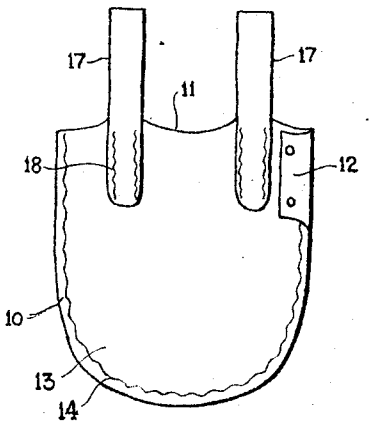


FIG. 2

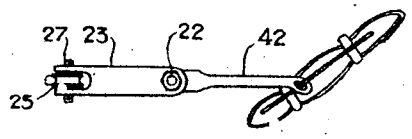


FIG. 4

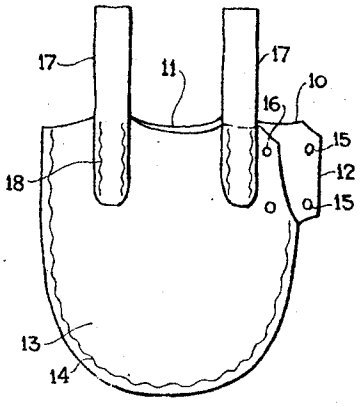


FIG. 3

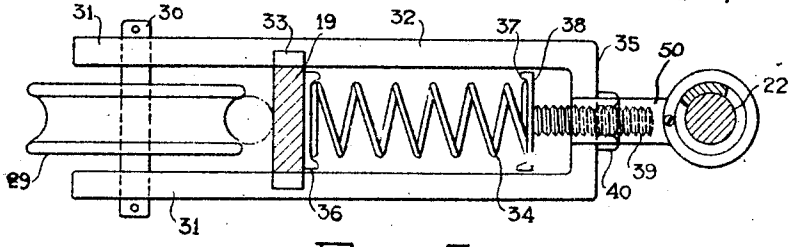


FIG. 5

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UNITED STATES PATENT OFFICE.

ELIZABETH KARIKAS, OF McKEESPORT, PENNSYLVANIA.

LIFE-SAVING DEVICE FOR CHILDREN.

Application filed March 6, 1926. Serial No. 92,909.

This invention relates generally to life saving devices used in case of fire in buildings, the invention having more particular reference to a novel type of life saving device especially adapted for children, which will permit descending from the upper stories of buildings without injury.

A further object of the invention is the provision of an improved life saving device which will permit children to descend from the upper stories of buildings at a relatively slow rate of speed, so as not to injure the children.

Another object of the invention is the provision of a means of preventing a shock to the children carried by my improved life saving device, when reaching the ground.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claim in which the various novel features of the invention are more particularly set forth.

Fig. 1 of the drawing is a front elevational view, partly in perspective, of my improved life saving device.

Fig. 2 is an enlarged front elevational view of my improved life saving bag, as shown in Fig. 1.

Fig. 3 is a similar view, but showing my improved life saving bag unbuttoned, as it would appear when ready to be used.

Fig. 4 is a top plan view of my improved life saving device.

Fig. 5 is an enlarged sectional view taken on the line 5—5 of Fig. 1.

As here embodied my improved life saving device comprises a bag, of any suitable heavy material, such as canvas or the like, consisting of a rear element 10, of any suitable shape, and having a notched portion 11, at its upper edge, and provided with a flap 12. The front element 13, is shaped similar to the rear element 10, and is sewn, stitched, or otherwise attached to the rear element 10, as at 14, with the exception of the portion of the edge adjacent to the said flap 12, the flap 12 is provided with button holes 15 to receive the buttons 16 attached to the portion of the edge of the front element 13, adjacent to the flap 12, or any similar suitable means. The looped straps 17, are sewn, stitched, or otherwise attached to the upper portions of the said rear element 10, and the said front element 13, at their extremities, as at 18. The above described construction being such as will support a child or children when placed therein.

The supporting member comprises a bracket 19, provided with an upper extended portion 20, and a lower extended portion 21, at right angles thereto, to accommodate the rod 22, which is rigidly attached thereto. The bracket 19, is also provided with an upper yoke 23, and a lower yoke 24, extended therefrom at right angles, and in an opposite direction to the upper extended portion 20, and the lower extended portion 21. The upper pulley 25, and the lower pulley 26, are rotatively mounted on the pins 27 and 28 respectively, rigidly attached to the upper yoke 23 and the lower yoke 24, respectively. The intermediate pulley 29, is rotatively mounted on the pin 30, rigidly attached to the extremities 31 of the support 32, preferably U shaped, and slidably mounted between the protruding portions 33 of the bracket 19, and centrally positioned on the bracket 19. The coil spring 34 is disposed between the bracket 19 and the head 35 of the support 32, and is held in place by a suitable protruding portion 36 of the bracket, and the protruding portion 37 of the disc 38, which is attached to the adjusting screw 39, threadedly attached to the head 35, and held in any desired relative position therefrom by the lock nut 40.

The above mentioned construction is such as will allow the intermediate pulley 29 to press the rope 41 against the bracket 19, any desired amount, by adjusting the screw 39, as to permit a relatively slow rate of speed, when a child or children placed in my improved life saving bag, descends therein, from the upper stories of buildings. It being understood that the rope 41, is attached, at its upper extremity at or near the window of the building, and is of suitable length to reach the ground.

The support 32 has an extended portion 50, at its head 35, adapted to receive a portion of the spring 47, normally adjacent thereto, as clearly shown in Fig. 1, of the accompanying drawing.

The attaching member 42, is slidably attached, at one extremity, to the said rod 22, as at 43, and extends therefrom, at an upwardly inclined angle, and is provided with an eye 44 to receive the strap 45, which is passed through the eye 44 and through the said looped straps 17, and has its extremi-

ties attached together as at 46. It being understood that the attaching member is therefore not detachable, so as to prevent misplacing of my improved life saving bag when required. It will be further understood that the coil spring 47, is positioned on the rod 22, so as to normally hold the attaching member 42 in an upper extended position. It being also understood that when the supporting member strikes the ground, that the coil spring 47, will cushion the shock, or jolt.

While I have above described the preferred form, construction, and arrangement of the several elements employed, it will be understood that the device is, nevertheless, susceptible of considerable modification therein, and I therefore reserve the privilege of resorting to all such changes as may be fairly embodied within the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent of the United States is as follows:—

In a device of the class described, a supporting member comprising a bracket provided with an upper extended portion, and a lower extended portion, at right angles thereto, to accommodate a rod rigidly attached thereto, said bracket provided with an upper yoke and a lower yoke, extended therefrom at right angles, and in an opposite direction to the said upper extended portion and the said lower extended portion, an upper pulley rotatively mounted on a pin rigidly attached to the said upper yoke, a lower pulley, rotatively mounted on a pin rigidly attached to the said lower yoke, an intermediate pulley rotatively mounted on a pin rigidly attached to the extremities of a U shaped support, slidably mounted between protruding portions of the said bracket, and centrally positioned on the said bracket, a coil spring disposed between the said bracket and the head of the said support, and held in place by a protruding portion of the said bracket, and a protruding portion of a disc attached to an adjusting screw threadedly attached to the said head of the said support, said adjusting screw provided with a lock nut.

In testimony whereof I have affixed my signature.

ELIZABETH KARIKAS.