No. 705,629. Patented July 29, 1902.

L. H. ABBEE.

SAFETY HITCHING DEVICE.

(Application filed Nov. 12, 1901.)

(No Model.)

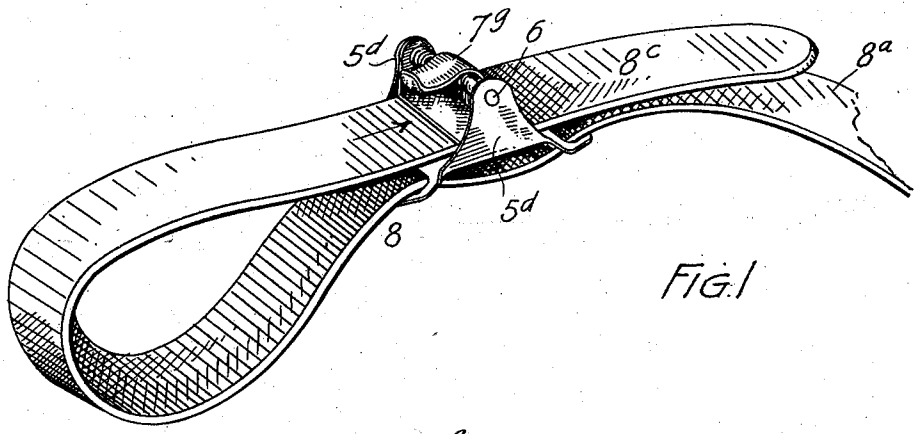


FIG. 1

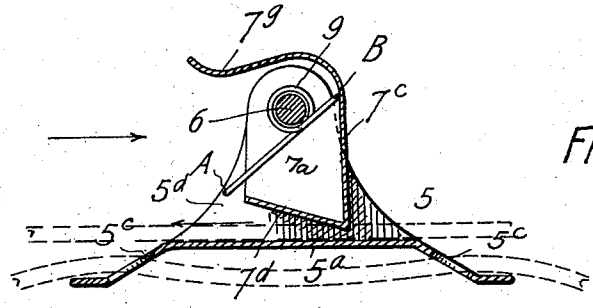


FIG. 2.

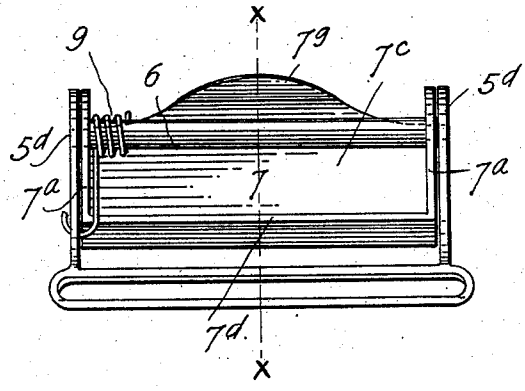


FIG. 3.

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SAFETY HITCHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 705,629, dated July 29, 1902.

Application filed November 12, 1901. Serial No. 82,049. (No model.)

To all whom it may concern:

Be it known that I, LESLIE H. ABBEE, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Safety Hitching Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in safety hitching devices; and it consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of my improved device in use. Fig. 2 is a section taken on the line $x\,x$, Fig. 3. Fig. 3 is a front elevation of the device viewed in the direction of the arrow in Fig. 2.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate the body of the device, which is provided with a base-plate 5^a, having two downwardly-inclined apertured extensions 5^c and two separated upright parts 5^d. The upper extremities of the parts 5^d are provided with openings which are engaged by the extremities of a pin 6, upon which a cam-lever is fulcrumed or movably mounted. This lever is provided with two arms 7^a, having openings within their upper extremities through which the fulcrum-pin passes. The arms 7^a of the lever are located adjacent the parts 5^d of the body part, and the space between the arms is closed in front or at the right (see Fig. 2) by a transverse part 7^c and at the bottom by a part 7^d. A thumb-piece 7^g projects upwardly from the part 7^c and thence rearwardly above the pin 6. The part 7 is fulcrumed above the center of the arm 7^a, whereby it performs the function of a cam.

This device is adapted for use with a hitching or holding strap of any kind. Its use is illustrated in Fig. 2. The strap 8 is passed through the openings in the parts 5^c, passed around a post or other suitable stationary device or through a holding-ring attached to a support, and passed thence forwardly between the bottom of the cam and the part 5^a of the body part. A spring 9, coiled around the pin, normally holds the cam tightly upon the strap and prevents its movement in the direction opposite that indicated by the arrows in Figs. 1 and 2, but allows it to be moved freely in the opposite direction. One extremity of the spring is fastened to one of the parts 5^d, as shown at A, while the other part is connected with the cam, as shown at B. The extremity A of the spring occupies a position in the rear of the part 7^d of the cam and prevents its rearward movement under its influence of the spring farther than is necessary when the strap is not in place. The part 8^a of the strap is connected with a horse or other animal to be hitched or held. It is evident that a pull on the part 8^a of the strap draws it tightly around the post or hitching-ring. This is also true of a pull on the part 8^c in the direction indicated by the arrow in Fig. 1.

Having thus described my invention, what I claim is—

1. A hitching or holding device comprising a body part having a base-plate, provided with two downwardly-inclined apertured extensions located at the front and rear respectively, two separated upright parts having openings in their upper extremities, a fulcrum-pin engaging said openings, and a cam-lever mounted on the arm and provided with two separated parts having openings through which the pin passes, the space between the upright parts being closed in front and at the bottom, the front of the cam being provided with an upwardly-projecting thumb-piece, and a spring coiled around the pin and connected with the body part at one extremity and the cam at the opposite extremity.

2. A hitching device comprising a body part having a base-plate, and apertured extensions below the base-plate to receive the strap, and two separated upright parts, a fulcrum-pin mounted on said parts, a cam-lever mounted on the pin, a spring coiled around the pin and connected with the body part at one extremity, and the cam at the opposite extremity, the spring being arranged to form a stop

against the movement of the cam rearwardly farther than is necessary, substantially as described.

3. In a device of the class described, the combination of a body part having a base-plate, and apertured extensions below the base-plate and located at its opposite extremities, the said plate being provided with upright parts or projections, a spring-held cam-lever mounted on said projections and arranged to engage a strap passed above the base-plate, the said cam-lever being provided with an extension forming a thumb-piece, substantially as described and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

LESLIE H. ABBEE.

Witnesses:
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