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1,754,313

HARNESS BUCKLE

Filed Nov. 9, 1927

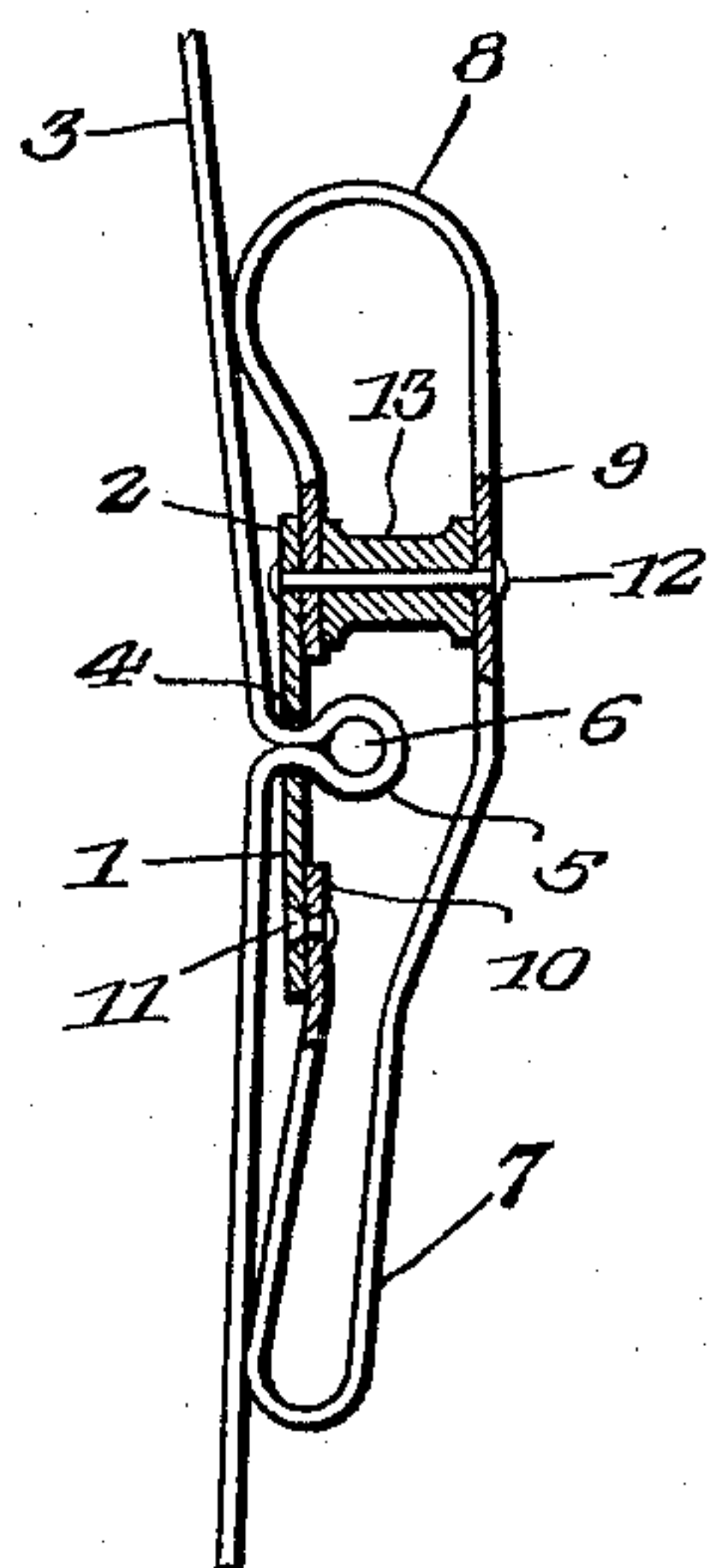
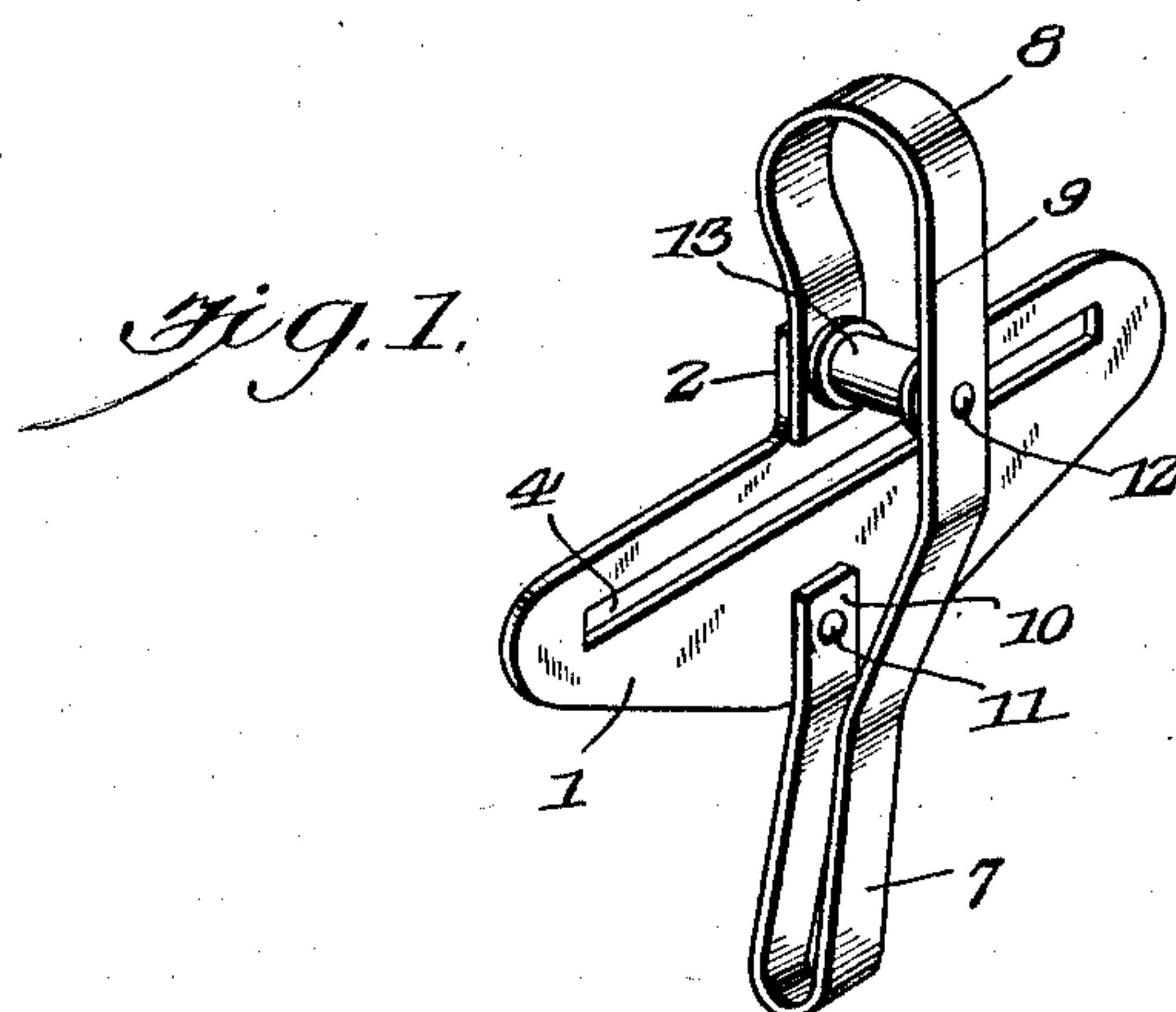


Fig. 2.

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UNITED STATES PATENT OFFICE

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HARNESS BUCKLE

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The invention relates to improvements in harness buckles.

The object of the present invention is to improve the construction of harness buckles and to provide a simple, practical and efficient back band buckle of strong, durable and comparatively inexpensive construction adapted to permit ready adjustment of the back band and equipped with a trace carrier and rein guide arranged so as not to interfere with the adjustment of the back band.

With these and other objects in view, the invention consists in the construction and novel arrangement of parts hereinafter described and set forth in the appended claim, it being understood that various changes in the form, proportion, and minor details of construction, within the scope of the claim, may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

In the drawing:

Figure 1 is a perspective view of a harness buckle constructed in accordance with this invention.

Fig. 2 is a vertical side view of the same, the buckle being applied to a portion of a back band.

In the accompanying drawing, in which is illustrated the preferred embodiment of the invention, the back band buckle comprises in its construction a metal plate 1 preferably tapered from opposite sides of the center, as shown, to provide a central depending portion and having a horizontal upper edge extending from opposite sides of a central vertical lug 2. The metal plate, which is designed to be of a length slightly in excess of the width of a back band 3, is provided with a longitudinal slot 4 arranged in parallelism with and spaced from the upper edge of the plate 1 and adapted to receive a loop 5 of the back band. The back band, which is designed to be constructed of webbing or other suitable material, is folded transversely to form the loop 5, which is passed through the slot 4 and which is secured to the plate 1 by means of a pin or core 6 which distends the loop to a width greater than that of the slot and securely fastens the back band buckle

to the back band. The friction of the back band against the pin will firmly retain the latter in the loop, so that there is no liability of the pin accidentally working out of the loop 5 of the back band.

The back band buckle is equipped with a lower trace carrier loop 7 and an upper rein guide loop 8 formed by a strip 9 of metal having its terminal portions doubled or bent rearwardly to form the said loops 7 and 8. The lower portion of the strip is bent backwardly and upwardly, and the terminal 10 of the said strip is secured to the lower portion of the plate below and in spaced relation with the slot, by means of a rivet 11 or other suitable fastening means. The lower loop is substantially oblong, and the upper loop is rounded and is secured to the lug 2 by means of a pin or rivet 12 which connects the sides of the upper loop. The pin or rivet 12 pierces the sides of the upper loop and is headed at its ends, and it forms a spindle on which is mounted a roller 13 adapted to support a rein, which may consist of a rope, strap or the like, and which will slide freely through the rein guide and will be supported by the rein guide with a minimum amount of friction. The trace is supported by the trace carrier, and the metal strip is extended outwardly at a point below the slot to provide ample space for the adjustment of the back band and also to permit a trace to be readily passed through the buckle and introduced into the lower loop or trace carrier. The terminals of the metal strip which forms the rein guide and the trace carrier are located above and below the slot in spaced relation with the same, and the point of attachment of the plate to the back band is substantially centrally of the harness buckle, the loop 5 being located midway between the top and bottom of the device, as clearly shown in Fig. 2 of the drawing.

What I claim is:

A back band buckle comprising a substantially oblong plate provided at the center of its upper edge with an upwardly projecting lug and having a long narrow longitudinal slot spaced from the upper edge adapted to receive a looped portion of a back band

to permit the same to be secured to the plate
by a pin, a narrow continuous metal strip
arranged vertically and secured at one end
to the said lug above the slot and at its other
end to the plate below the slot and doubled
to form upper and lower loops which extend
above and below the plate, the latter con-
necting the terminals of the strip and closing
the said loops and extending a sufficient dis-
tance in advance and in rear of the strip to
accommodate wide back bands, the lower loop
being narrower than the upper loop and
adapted to receive a trace and prevent the
same from twisting, the upper loop being of
greater width than the lower loop and form-
ing a rein guide, and means extending across
the upper loop to support the reins and con-
necting the sides of the upper loop and con-
stituting the fastening means for securing
the strip to the lug.

In testimony whereof I have hereunto set
my hand.

AMOS L. GARRIS.

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