

B. GOODYEAR.
Linch-Pin Holder.

No. 219,249.

Patented Sept. 2, 1879.

Fig. 1

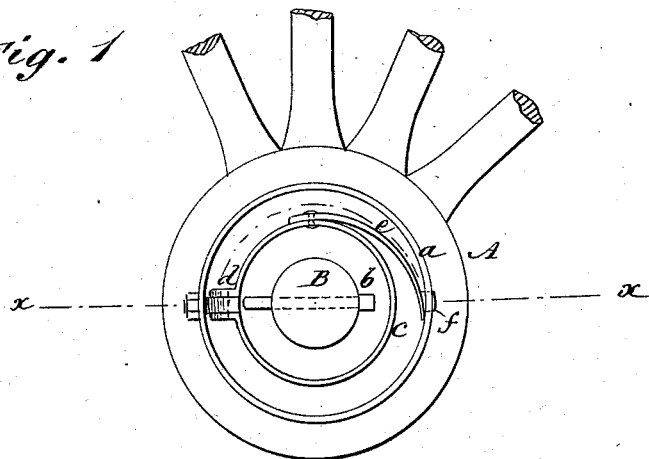
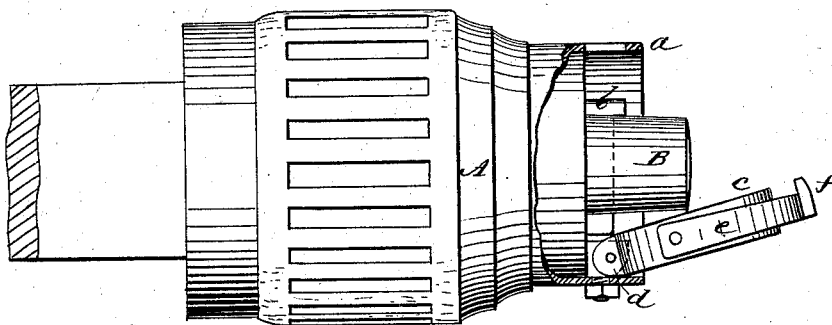


Fig. 2



WITNESSES:

C. Nereux
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INVENTOR:

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UNITED STATES PATENT OFFICE.

BENJAMIN GOODYEAR, OF CARLISLE, PENNSYLVANIA.

IMPROVEMENT IN LINCHPIN-HOLDERS.

Specification forming part of Letters Patent No. **219,249**, dated September 2, 1879; application filed July 31, 1879.

To all whom it may concern:

Be it known that I, BENJAMIN GOODYEAR, of Carlisle, in the county of Cumberland and State of Pennsylvania, have invented a new and Improved Means for Securing Linchpins, of which the following is a specification.

The object of my invention is to prevent the misplacement of the linchpins of wagons and other vehicles, which often results in accidents to life and limb; and the invention consists in a band or ring attached by a hinged joint to the hub, so as to encircle the spindle and cover the ends of the linchpin, whereby the pin is prevented from endwise movement. The holding-ring can be raised for relieving the pin when desired, and when in place, for further security, is held by a spring-catch.

The invention will be described more particularly with reference to the accompanying drawings, wherein—

Figure 1 is an end view of a hub and axle fitted with my improvement. Fig. 2 is a side elevation and part section on line *x x* of Fig. 1, with the holding-ring in position for removal of the linchpin.

Similar letters of reference indicate corresponding parts.

A is the hub, with point-band *a*, and B the spindle, of a wagon or other vehicle, the hub being retained by the linchpin *b*, passed through the spindle in the usual manner. The holding ring or band *c* is pivoted to a lug, *d*, that is rigidly secured to the point-band *a* by a screw and bolt or other desired fastening, so that the band *c*, when turned down against the end of hub A, lies within band *a* and covers the ends of pin *b*.

The lug *d* may be formed with a pointed tang for driving into the hub, instead of being attached to the point-band.

To the band *c* is attached a curved spring-tongue, *e*, upon the end of which is a lug, *f*, projecting outwardly through a slot in the

band *a*, wherein it is retained by the tension of the spring-tongue, so that the ring *c* is securely held and prevented from swinging outward on its pivot-connection to lug *d*. By this construction the linchpin is prevented from moving endwise in its socket when the holding-band is in place, and the band can be readily turned aside to permit removal of the linchpin when that is desired. In that case the lug *f* is to be pushed in far enough to clear the slot in band *a*, and the band *c* then swung outward. The pin *b* can then be drawn out, in the usual manner, through the slot in the point-band *a*.

I have shown the projection *f* of the spring-tongue as entering the slot that is provided for withdrawing the linchpin, thereby saving the necessity of two slots or holes.

A cap may be hinged to the lug *d* to close against the point-band and cover the parts enclosed by the same, which cap, when closed, may be held by the spring-arm *e*.

I do not limit myself to the holding-band or the spring-catch exactly as shown, as they may be varied in construction without departing from my invention.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a hub, axle-spindle, and linchpin, of the hinged band or ring *c* and spring-catch, substantially as described and shown, and for the purposes set forth.

2. The holding band or ring *c*, hinged to hub A, and spring-tongue *e*, attached to band *c*, and provided with projection *f*, in combination with the spindle B, pin *b*, and hub A, that is fitted with the slotted point-band *a*, substantially as and for the purposes specified.

BENJAMIN GOODYEAR.

Witnesses:

DAVID STROHM,
J. M. HAYS.