JENKINS & COOK.

Hub-Band.

No. 12,062. Patented Dec. 12, 1854.

Fig. 1.

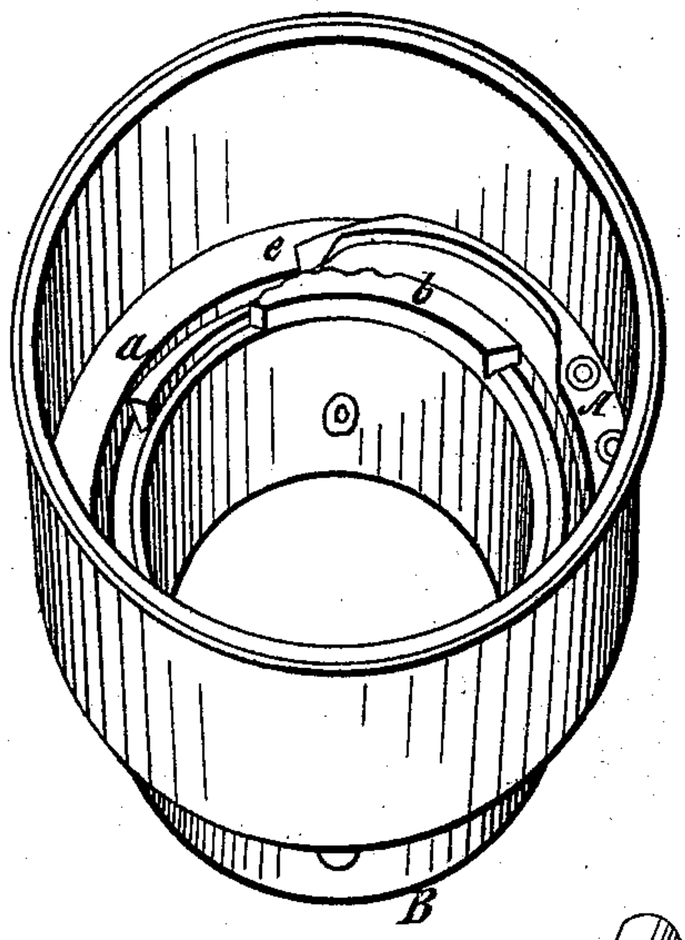


Fig. 2.

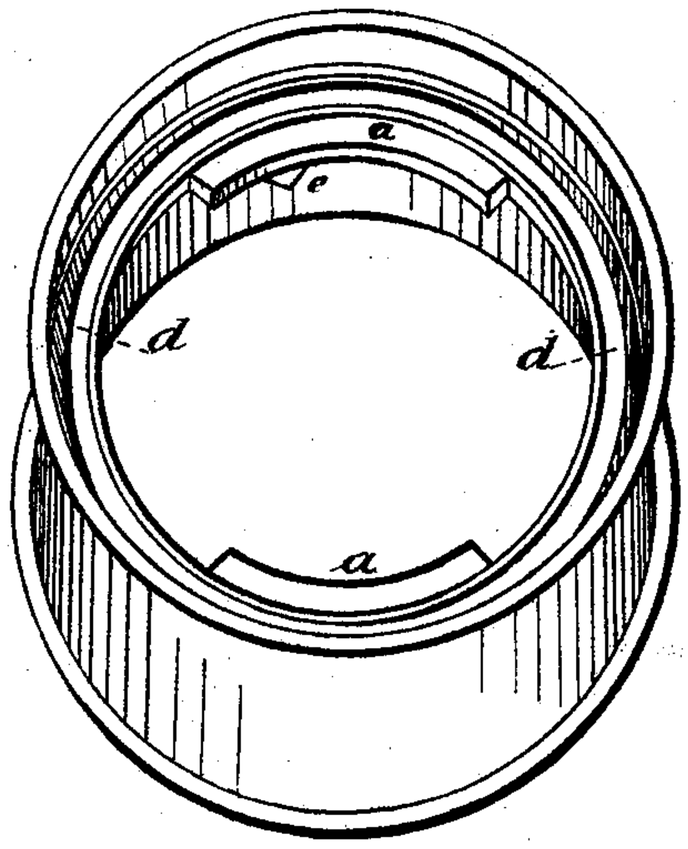


Fig. 4.

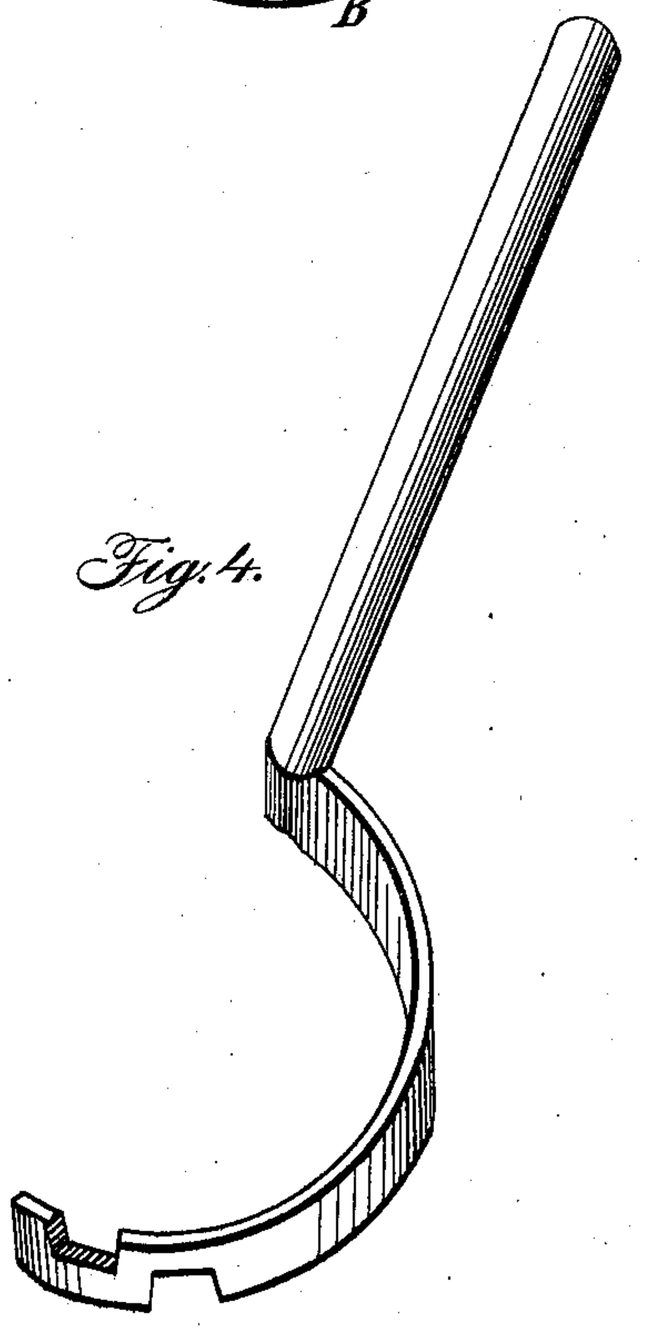
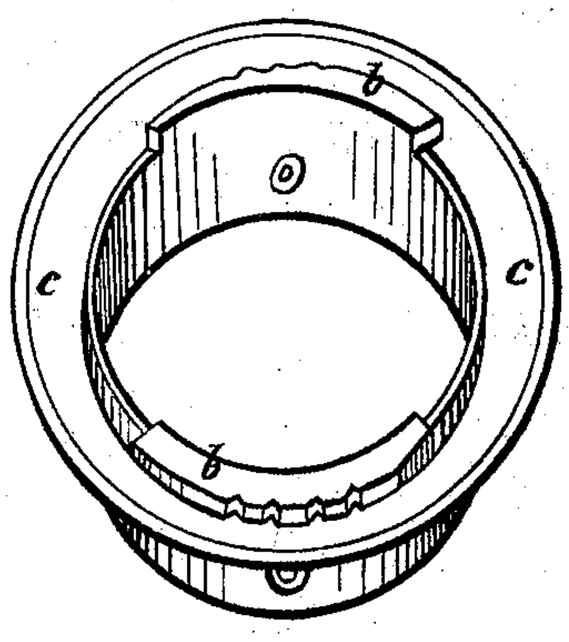


Fig. 3.



UNITED STATES PATENT OFFICE.

J. JENKINS AND J. R. COOKE, OF WINSTED, CONNECTICUT.

HUB-BAND FOR CARRIAGES.

Specification of Letters Patent No. 12,062, dated December 10, 1854.

Be it known that we, JACOB JENKINS and JOHN R. COOKE, both of Winsted, in the county of Litchfield and State of Connecticut, have invented a new and useful Improvement in Bands for Carriage-Hubs; and we do hereby declare that the following is a full, clear, and exact description of the construction, character, and operation of the same, reference being had to the accompanying drawings, which make a part of this specification, in which—

Figure 1, is a perspective view of the inside of the band, showing the manner of fastening the cap, &c. Fig. 2, is a perspective view of the outer end of the band, showing its form when the cap is removed, and the oil absorber. Fig. 3, is a perspective view of the inside of the cap, showing the parts which work on the incline planes, and on which the spring clicks act. Fig. 4, is a perspective view of a wrench to take off the cap.

Our improvement consists in the manner of attaching the cap to the band by means of inclined planes on the inner part of the band, and serrated projections on the inner part of the cap, which projections, working on the inclined planes, serve to tighten the cap, and press its flange, air tight against the absorber, so that no oil can escape, or dust penetrate; and in the use of one or two spring clicks, or dogs, which work in the notches in the projecting pieces on the inner edge of the cap to hold the cap firmly in its place, against jars or accidents, while the cap may be readily removed by a wrench, suited to that purpose, (as in Fig. 4,) or even by hand.

We make the band, and cap, of malleable cast iron, or any other suitable material, in the usual form, substantially, as shown in Figs. 1, 2, and 3.

In the band we have two inclined planes, projecting inward, as shown inverted, at *a*, and *a*, Fig. 2, (and one of them is seen near *a*, Fig. 1, with one of the projections, *b*, *b*, on the cap, passing over it). These inclined planes, *a*, and *a*, project toward the center of the band sufficiently for the serrated projections, *b*, and *b*, Fig. 3, on the cap, to rest upon, and which press the flange, *c*, *c*, of the cap, upon the absorber, *d*, *d*, Fig. 2, to render it oil and air tight. To hold the cap, Fig. 3, firmly in its place, when turned onto these inclined planes, we use one or two spring clicks, or dogs, working into the notches in the edges of the projections on the caps, one of which clicks is shown at *e*, Fig. 1, and the point of the other, at *e*, Fig. 2. We make both of the click of one piece of steel, and rivet, or screw, them to the inner flange of the band, as shown at A, Fig. 1.

The absorber may be made of leather or any other suitable substances, to yield so as to be pressed, by the flange of the cap, so tight that no oil can pass out, or dust pass in.

The band is put onto the hub in the usual way, and the cap, (Fig. 3,) is turned in with a wrench, like that shown in Fig. 4, if necessary. As the notches in the edges of the projections, *b*, and *b*, flare both ways, the cap may be turned either way with equal facility.

What we claim as our invention and desire to secure by Letters Patent, is—

The combination of the serrated projections, (*b*, and *b*,) with the inclined planes, (*a*, and *a*,) and one or two spring clicks, or dogs, (*e*, and *e*,) when the whole is constructed, arranged, combined, and made to operate, substantially, as herein described.

JACOB JENKINS.
JOHN R. COOKE.

Witnesses:
R. FITZGERALD,
C. C. WILDMAN.