

C. W. FILLMORE.

Improvement in Hubs for Vehicles.

No. 126,278.

Patented April 30, 1872.

Fig. 1.

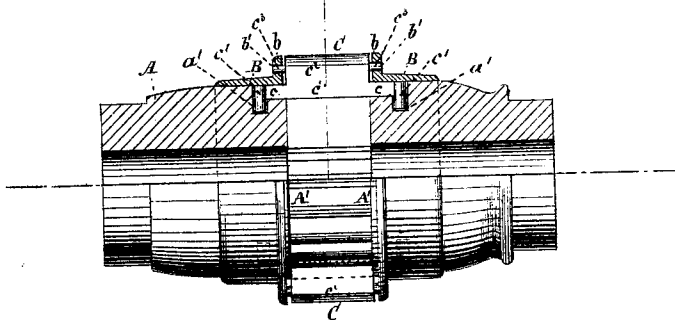
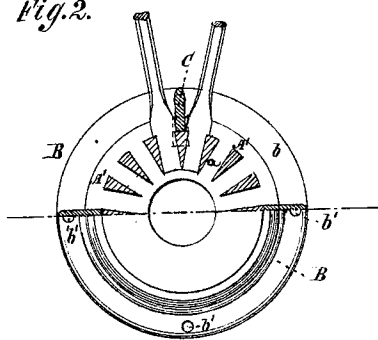


Fig. 2.



Witnesses:

4. Matthews.
Calvin C. Harmon

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UNITED STATES PATENT OFFICE.

CHARLES W. FILLMORE, OF MARENGO, ILLINOIS.

IMPROVEMENT IN HUBS FOR VEHICLES.

Specification forming part of Letters Patent No. 126,278, dated April 30, 1872.

Specification describing an Improvement in the Construction of Wheels, invented by CHARLES W. FILLMORE, of Marengo, in the county of McHenry and State of Illinois.

The invention consists, first, of a retainer or metallic plate, sustained in recesses of the hub, and serving at intervals to re-enforce the spokes and admit of their being driven home tightly and firmly. It consists, secondly, in the construction of the metallic band on each side of spokes, with a vertical flange, perforated horizontally, so as to enable it to be held by pins on the retainer.

Figure 1 of drawing is a side elevation of hub, partly in section; and Fig. 2 is a transverse section thereof.

A represents a wooden hub, having annular recess A', with mortises *a* through the bottom thereof to receive spokes. This recess A is preferable, but not necessary to my improvements; and, on the other hand, the mortises may be omitted if the recess is made of sufficient depth to receive the spokes. B B are the bands, provided each with a vertical flange, *b*, which has perforations *b'* at intervals around it. C is a retainer, formed of metal, having arms *c*, with downward projections *c'*, which both fit into corresponding recesses *a'* made

in the hub. *c''* is an upward extension, and has upon each end a projection, *c'''*, which fits into the perforations *b'* of band-flange. These retainers, being thus firmly embedded in the hub on each side of annular recess A', are rigidly and immovably held, and allow the spokes to be driven tightly into their places, while they are themselves held down by the bands. The bands B, being fastened on the projections *c''* of the retainers, are thereby prevented from being turned around on the hub.

By this construction I obtain great strength, and secure a great increase in the wear and durability of the wheel.

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

1. The metal retainer C, having arms let into the hub and applied between the spokes, as and for the purpose described.

2. The bands B, having flange *b* with perforations *b'* therein, combined with the retainer C, having projections *c'' c'''*, as and for the purpose described.

CHARLES W. FILLMORE.

Witnesses:

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