J. KRITCH.
Fifth-Wheel

No. 205,279. Patented June 25, 1878.

Fig. 1.

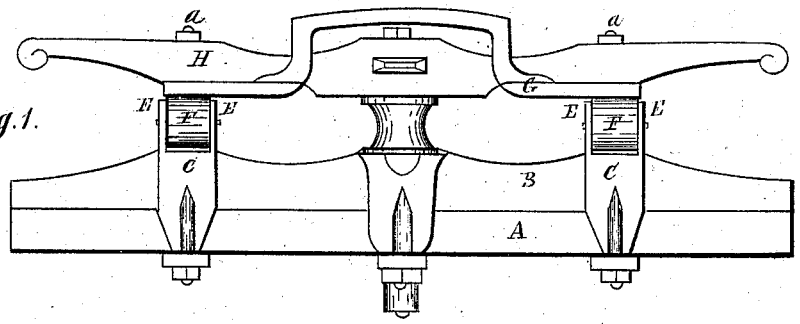


Fig. 2.

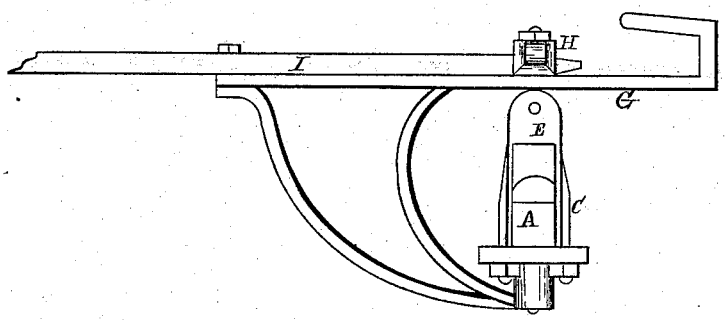
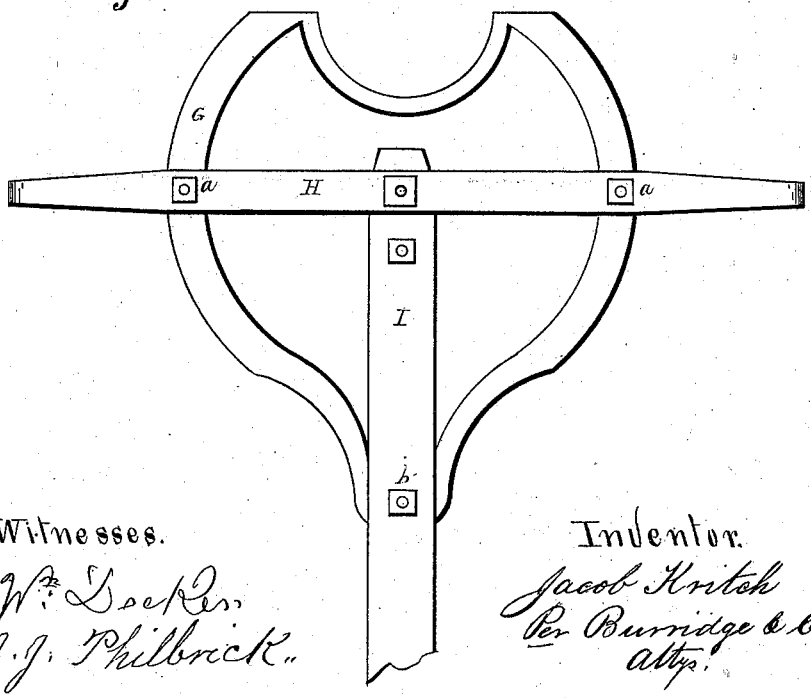


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

JACOB KRITCH, OF CLEVELAND, OHIO.

IMPROVEMENT IN FIFTH-WHEELS.

Specification forming part of Letters Patent No. **205,279**, dated June 25, 1878; application filed June 1, 1878.

To all whom it may concern:

Be it known that I, JACOB KRITCH, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Fifth-Wheel; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawings, making a part of the same.

Figure 1 is a front view of the fifth-wheel. Fig. 2 is a side view of the same. Fig. 3 is a plan view.

Like letters of reference refer to like parts in the several views.

This improvement relates to a fifth-wheel; and consists of a combination of clips, rollers, and sectional fifth-wheel made up of a pair of rollers, attached to the axle by means of clips, in which said rollers have their bearings, and whereon a section of a fifth-wheel rests and plays. Said clips also serve as binders for securing the stock to the axle. Hence the clips perform two services—that of binding the stock to the axle, and of supporting the rollers in their relation to the circle or section of the fifth-wheel.

A more detailed description of the invention will be found in the following specifications.

In the drawings, A represents the axle, and B the stock, bound thereto by the roller-clips C, above alluded to, in connection with the ordinary means. From the upper end of the clip projects a pair of ears, E, in which is journaled a roller, F. The surface of the roller is above the ends of the ears, so that the circle or section G may rest thereon, as shown in Fig. 1.

It will be observed that the circle or plate consists of a single piece of metal, and differing from the ordinary fifth-wheel, and is secured to the head-block H by bolts *a*, and to the reach I by a bolt, *b*; also, the circle, by being supported on either side by the rollers, is therefore held firmly and securely in position, so that it will move smoothly and easily upon the rollers on turning the carriage.

By using the roller-clip above described, I am enabled to use a circle consisting of a single piece of metal, thereby rendering the fifth-wheel more simple in structure and less expensive than fifth-wheels which have the circle composed of two or more sections. Such sections run upon each other, causing much friction, and consequently rapid wearing of the parts, which is wholly avoided by using the fifth-wheel above described, as the circle thereby moves upon the rollers with little or no friction, and hence without much wearing of the parts; hence my improvement has all the advantages of the ordinary fifth-wheel without the objectionable features. The roller-clips at the same time aid in binding the stock to the axle, thereby dispensing with the ordinary binding-clips, as only used for that purpose.

What I claim as my invention, and desire to secure by Letters Patent, is—

In fifth-wheels, the combined clip and roller herein described, arranged in relation to, and in combination with, the circle-section G, substantially as set forth, and for the purpose specified.

JACOB KRITCH.

Witnesses:
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