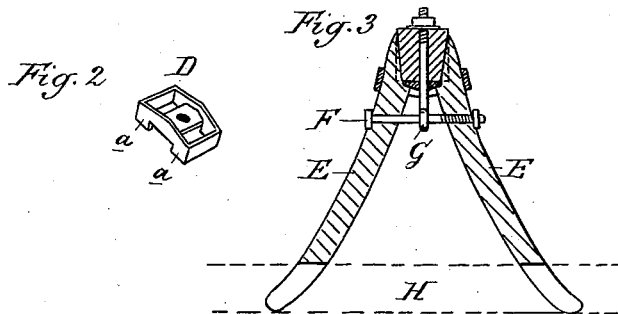
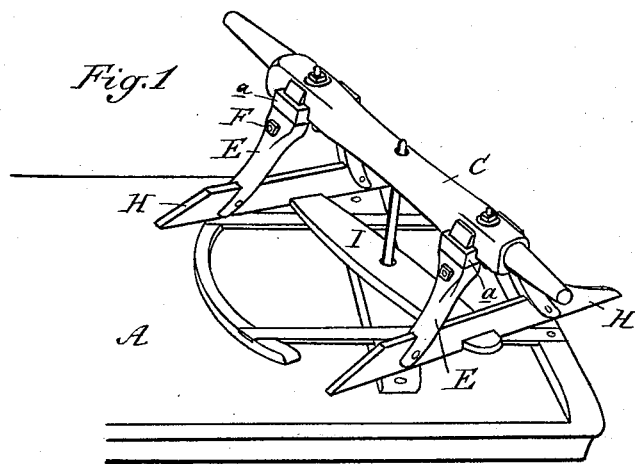


(No Model.)

J. MOSES.  
WAGON RUNNING GEAR.

No. 306,853.

Patented Oct. 21, 1884.



*Attest:*  
*A. Barthel*  
*E. Seully.*

*Inventor:*  
*Joseph Moses*  
*by his Atty Wm S. Sprague*

# UNITED STATES PATENT OFFICE.

JOSEPH MOSES, OF LAPEER, MICHIGAN.

## WAGON RUNNING-GEAR.

SPECIFICATION forming part of Letters Patent No. 306,853, dated October 21, 1884.

Application filed July 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH MOSES, of Lapeer, in the county of Lapeer and State of Michigan, have invented new and useful Improvements in Wagons; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in the construction of wagons; and the invention consists in the peculiar construction of the front bolster, and in the peculiar construction, arrangement, and combination of the various parts, all as more fully hereinafter set forth.

Figure 1 is a bottom perspective. Fig. 2 is a detail perspective of the socket-plate. Fig. 3 is a vertical central cross-section.

In the accompanying drawings, which form a part of this specification, A represents the bed of the wagon, which is secured upon the rear axle in any convenient manner.

C represents the front axle, near each end of which and upon the upper face is placed the socket-plate D, into which tenons upon the lower ends of the spreading or diverging risers E engage. A bolt, F, passes through these risers near their lower ends and above the socket-plates, the lower ends of such risers extending through the plate upon each side of the axle.

G is an eyebolt the eye of which engages with the bolt F, while its opposite end passes down through the socket-plate and through the axle, receiving a nut upon its lower end, and by this means the risers are secured together and upon the axle.

To prevent a swaying of the risers I form upon the outer ends of the socket-plate downwardly-projecting flanges, *a*, so as to clip or embrace each side of the axle, as shown. The upper ends of these risers are secured together by a longitudinal bar, H, upon which is in turn secured the sway-bar I, the front end of the bed of the wagon resting upon this sway-bar and being secured thereto by the ordinary king-bolt. If preferred, the same means for securing the risers to the axle may be employed upon the rear axle.

Instead of being secured to the axle, the risers may have their lower ends secured by the means described upon the bolster-bar, which may swing or sway upon a bearing-plate on top of the axle, without departing from the spirit of my invention. By this construction I produce a strong and substantial platform for a farm-wagon that is simple in construction, and wherein the parts can readily be tightened together by turning up the nuts upon the bolts described.

What I claim as my invention is—

1. In combination with the axle C of a wagon, the diverging riser E and socket-plate D, substantially as and for the purposes set forth.

2. In combination with the axle C of a wagon, the risers E, socket-plate D, and bolts F and G, when constructed, arranged, and operating substantially in the manner and for the purposes set forth.

JOSEPH MOSES.

Witnesses:

H. S. SPRAGUE,  
E. SCULLY.