

G. M. DARLEY & J. H. McLELLAN.

Improvement in the Mode of Converting Wagon-Shafts into Poles.

No. 132,811.

Patented Nov. 5, 1872.

Fig. 1

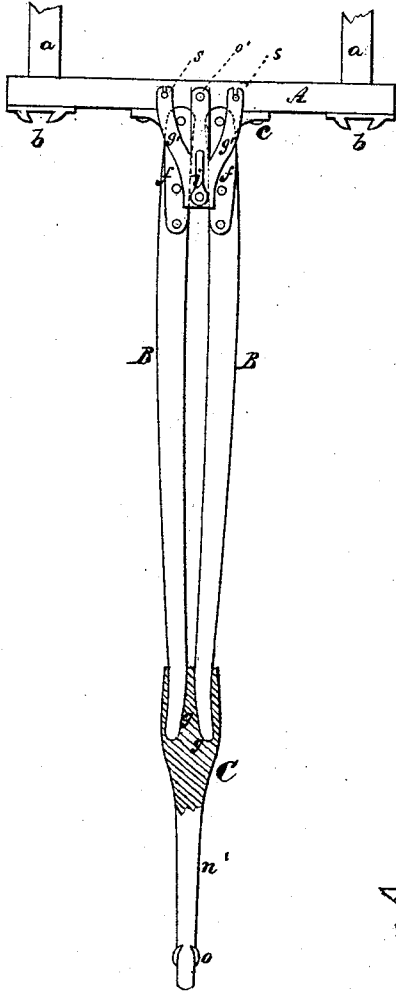


Fig. 2

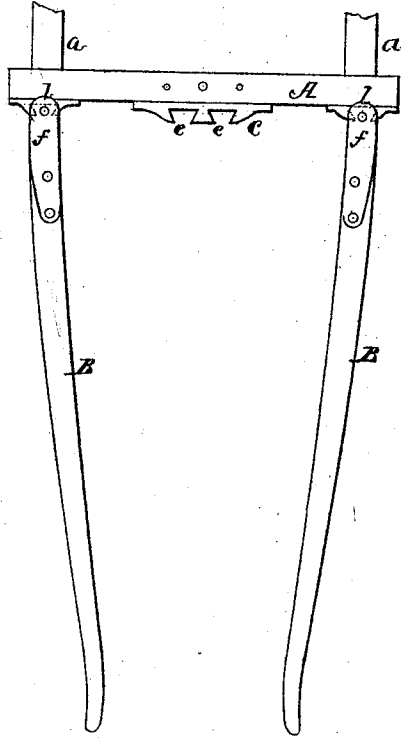


Fig. 3

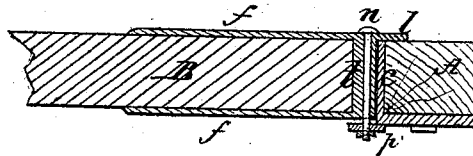
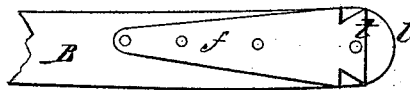


Fig. 4



Witnesses.  
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# UNITED STATES PATENT OFFICE.

GEORGE M. DARLEY AND JAMES H. McLELLAN, OF NEBRASKA CITY,  
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## IMPROVEMENT IN THE MODE OF CONVERTING WAGON-SHAFTS INTO POLES.

Specification forming part of Letters Patent No. **132,811**, dated November 5, 1872; antedated November 2,  
1872.

*To all whom it may concern:*

Be it known that we, GEORGE M. DARLEY and JAMES H. McLELLAN, of Nebraska City, in the county of Otoe and State of Nebraska, have invented a Mode of Combining a Carriage Pole and Thills; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a plan view, representing the draft-pole for two horses. Fig. 2 is a similar view, representing the draft-pole converted into thills for one horse. Fig. 3 is a sectional view of one of the thills, its dovetail connection, and the thill-box. Fig. 4 is a bottom view of one of the thills, with its dovetail connection and lip.

Similar letters of reference indicate corresponding parts in the several figures.

The improvement which we have made in the old convertible or combined thills and tongue for a carriage consists in three plates on the thill-bar, two of which are formed with a single dovetail-groove, and the other with two dovetail-grooves, in combination with two dovetail-tongues, one on each thill, said tongues being perforated and furnished with a stop-flange, and held in proper position, when the thills are used for a single horse, by means of screw-bolts and nuts, and by both screw-bolts and nuts and a double socketed tongue point or sheath, when used for a double horse, as hereinafter described.

The arrangement is such that the ordinary hammer-strap may be readily applied when the thills are adjusted to serve as a tongue.

The following description of my invention will enable others skilled in the art to understand it.

In the accompanying drawing, A represents a thill-bar, which may be connected to the axle of a vehicle by means of the curved pieces *a a*, or in any other suitable manner. B B represent the thills, which are provided on their rear ends with dovetail-blocks *t t*, secured to the thills by means of straps *f f*, the upper ones of which are extended back and

form lips *l l*, which are perforated to receive bolts *n* through them. The dovetail-blocks are tapered from above downward so as to fit, wedging into corresponding mortises formed into dovetail pieces *b b c c*, which are secured fast to the front edge of the thill-bar A, as shown in Figs. 1 and 2. When the rear ends of the thills are adjusted into the dovetail pieces *b b* near the extremities of the thill-bar, and secured by means of bolts *n*, washers *p*, and nuts, they serve as thills for a single horse, as represented by Fig. 2. When the rear ends of the thills are adjusted into the dovetail-blocks *c c*, secured by the bolts, washers, and nuts, as above described, and provided on their ends with a socketed sheath or tongue-point C, a draft-pole is formed adapted for two horses. The sheath C is socketed at *g g* to receive the outwardly-directed ends of the thills, and its contracted portion *n'* is provided with a shoulder, *o*, for the strap or ring of the hold-back bar. When the thills are converted into a draft-pole, as shown in Fig. 1, the double-tree will be attached to a pin, *i*, on a forked piece, *g'*, the rear ends of which latter are secured rigidly to the thill-bar A by means of pins *s s* and an intermediate bolt, *o'*.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of the single dovetailed pieces *b b*, double dovetailed pieces *c c*, thills B B, perforated dovetailed blocks *t t*, lips *l l*, bolts *n n*, and the double-socketed sheath C, substantially as and for the purpose herein described.

2. The combination of the device *g i* with the above-named devices, in the manner and for the purpose described.

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