

H. SPUNAUGLE.
THREE HORSE EVENERS.

No. 182,967.

Patented Oct. 3, 1876.

Fig. 1.

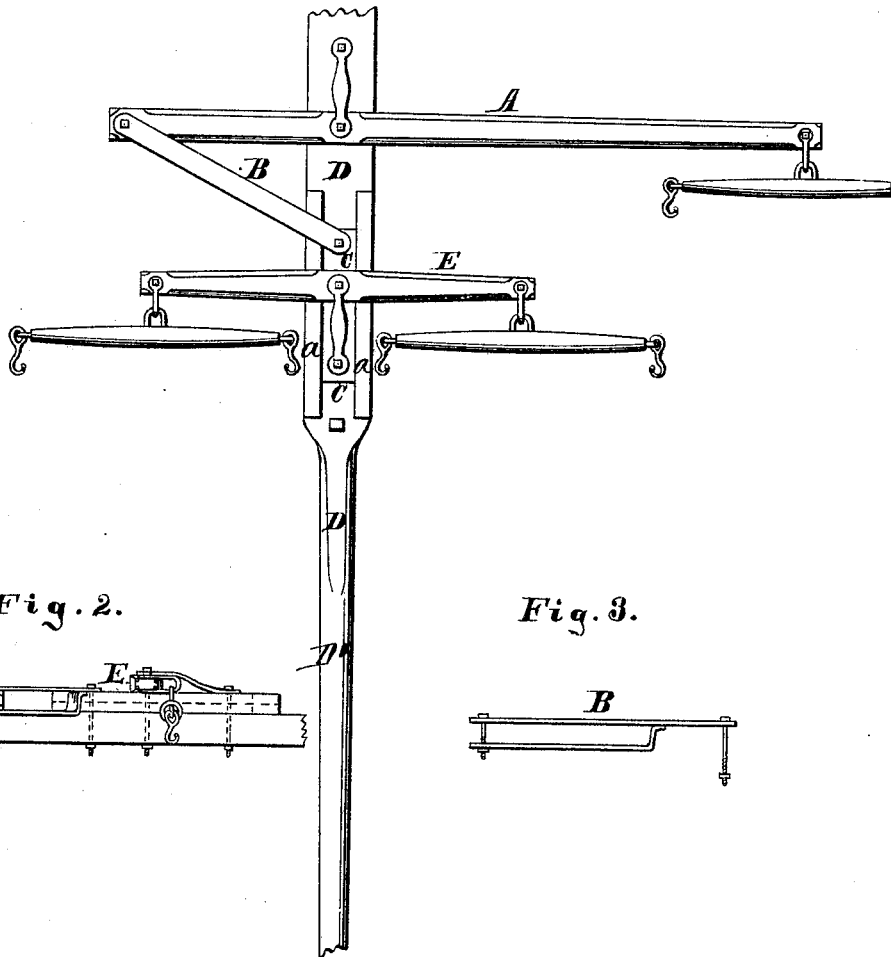


Fig. 2.

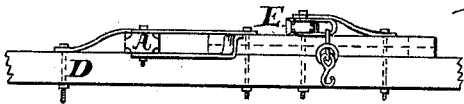


Fig. 3.



Witnesses
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HENRY SPUNAUGLE, OF SHENANDOAH, IOWA.

IMPROVEMENT IN THREE-HORSE EVENERS.

Specification forming part of Letters Patent No. **182,967**, dated October 3, 1876; application filed November 19, 1875.

To all whom it may concern:

Be it known that I, HENRY SPUNAUGLE, of Shenandoah, in the county of Page and State of Iowa, have invented certain new and useful Improvements in Draft-Equalizers; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a draft-equalizer, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of my invention. Figs. 2 and 3 are detailed views of the same.

D' represents the tongue of the wagon or machine. On the upper side of this tongue, near the inner end, is bolted a plate, D, which is provided with upwardly and inwardly bent flanges *a a*, forming guides for a slide, C, to move backward and forward. E is an ordi-

nary double-tree, provided at each end with a single-tree, and pivoted through its center to the slide C. Back of the slide C, on top of the tongue and plate D, is pivoted a lever, A, the pivot-point thereof being about one-third its length from one end. The long end of the lever A is provided with a single-tree, and the short end of the lever is, by an arm, B, connected with the rear end of the slide C. This forms a perfect three-horse equalizer.

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

The combination, with the tongue D', of the plate D, formed with the guides *a a*, the slide C, the double-tree E, pivoted to the slide, the one-horse lever A, pivoted to the tongue, and the bar B, connecting the short end of the lever with the rear end of the slide, substantially as herein set forth.

HENRY SPUNAUGLE.

Witnesses:

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