

J. LAMON.
DRAFT APPARATUS.
APPLICATION FILED APR. 30, 1919.

1,315,560.

Patented Sept. 9, 1919.

FIG. 1.

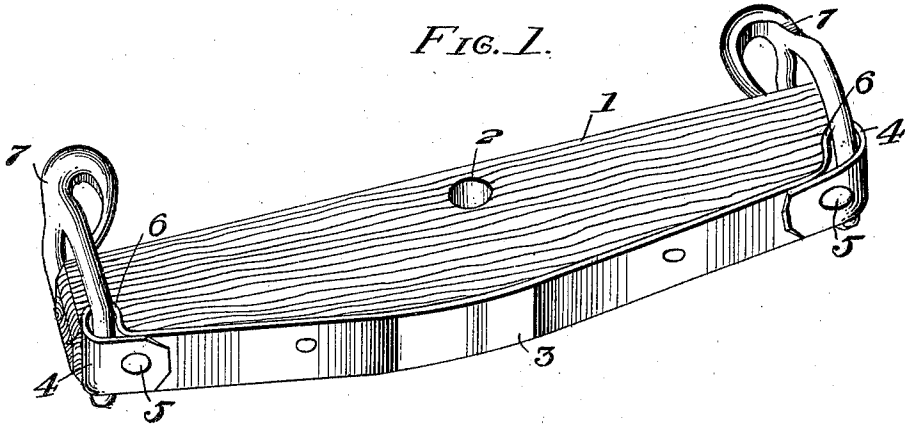


FIG. 2.

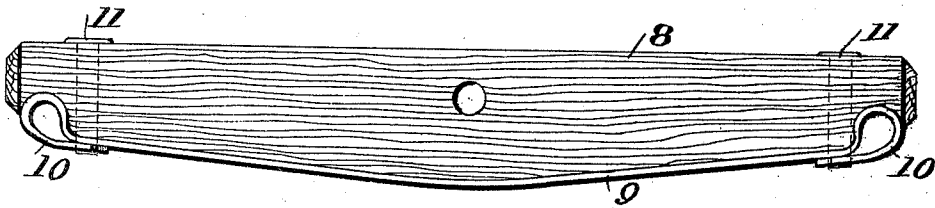
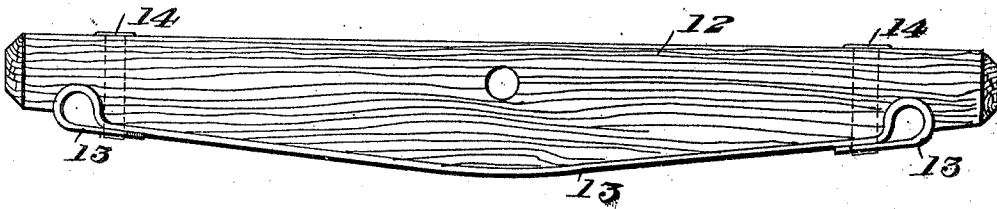


FIG. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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DRAFT APPARATUS.

1,315,560.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH LAMON, subject of Great Britain, and a resident of Le Roy, in the county of Mower and State of Minnesota, have invented certain new and useful Improvements in Draft Apparatus, of which the following is a specification.

My invention is an improvement in draft apparatus, and has for its object to provide new and improved apparatus of the character specified, adapted for use with eveners and whiffletrees, wherein eyes for engagement by the double trees, swingle trees or tugs are connected by a truss so arranged that the greater the pull on the eyes, the more firmly the truss is anchored.

In the drawings:

Figure 1 is a perspective view of the improvement applied to a swingle tree,

Fig. 2 is a top plan view showing the same applied to a double tree,

Fig. 3 is a similar view showing the improvement applied to an evener.

In the embodiment of the invention shown in Fig. 1, the swingle tree consists of the usual bar 1 having a central opening 2 for permitting the bar to be connected to the double tree. The truss is a plate or strap 3 arranged along the rear edge of the bar, and it will be noticed that the bar is of greatest thickness at its center, decreasing in thickness toward its ends. The strap 3 is secured to the bar in any suitable or desired manner, and the ends of the strap are formed into eyes 4, by bending the said ends backward upon the body of the strap and securing them to the said body and to the bar by means of rivets 5. The bar at its ends is recessed as shown at 6 to receive the eyes, and the tug hooks 7 are engaged with the eyes, and embrace loosely the bar.

The center portion of the strap is spaced rearwardly from the ends, so that the said strap in its entirety is a very opened V. Thus the greater the pull on the eyes, the firmer will the truss be anchored. In Fig.

2 the double tree consists of the bar 8 and the strap 9, the bar being of approximately the same shape as the bar 1, as is also the strap 9. The eyes 10 at the ends of the strap are formed in the same manner as the eyes 4 and they are similarly arranged. The strap is held to the bar by rivets 11 at its ends.

In Fig. 3 the evener is composed of the bar 12 and the strap 13, said bar and strap being similar to the bar 1 and the strap 3, and similarly arranged. The strap has the eyes 13 at its ends, and is secured to the bar by rivets or bolts 14.

With either construction practically all of the tension strain is on the strap, which is of a material, that is metal, best able to resist such strain, and practically all of the strain on the wooden bar is compression strain, a strain that the wood is well able to resist. It will be understood that the bars may be of any cross section, and of any size. While it is desirable that the bar be of greatest thickness at its center, it is not essential, since it is obvious that the strap will take the tension strain, being at the rear of the bar.

I claim:

Draft apparatus comprising a bar of wood or the like of greatest thickness at its center and decreasing in thickness toward its ends, the front edge of the bar being substantially straight and the increased thickness being at the rear edge, a metal strap secured to the rear edge of the bar and having eyes at its ends for engagement by the draft mechanism to take the tension strain, said eyes being at the rear of the bar and spaced inwardly from the ends of the bar so that the entire thickness of the bar receives and supports the draft.

JOSEPH LAMON.

Witnesses:

MERRILL BOWERS,
MATTIE SORENSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."