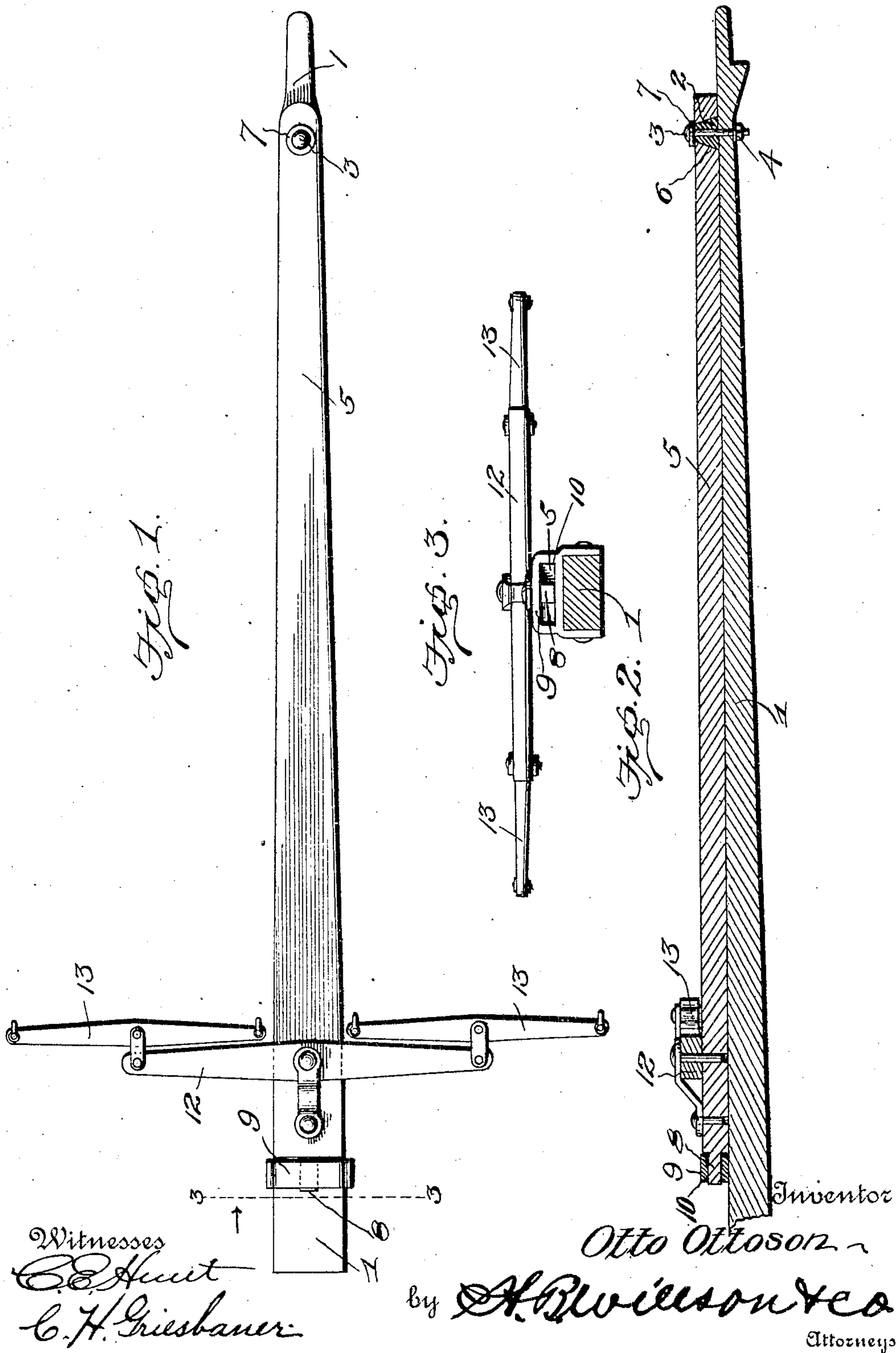


No. 849,563.

PATENTED APR. 9, 1907.

O. OTTOSON.
ATTACHMENT FOR DRAFT TONGUES.
APPLICATION FILED SEPT. 24, 1906.



UNITED STATES PATENT OFFICE.

OTTO OTTOSON, OF JERICO, IOWA.

ATTACHMENT FOR DRAFT-TONGUES.

No. 849,563.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed September 24, 1906. Serial No. 335,940.

To all whom it may concern:

Be it known that I, OTTO OTTOSON, a citizen of the United States, residing at Jerico, in the county of Chickasaw and State of Iowa, have invented certain new and useful Improvements in Attachments for Draft-Tongues; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to attachments for draft-tongues of vehicles or machines.

The object of the invention is to provide an attachment of this character whereby the jolting or jerking and the side draft of the tongue will be reduced.

A further object is to provide a device of this character which may be readily applied to any draft-tongue.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan view of a vehicle-tongue, showing the application of the invention thereto. Fig. 2 is a vertical longitudinal sectional view of the same, and Fig. 3 is a vertical cross-sectional view through the rear end of the tongue on the line 3 3 of Fig. 1.

Referring more particularly to the drawings, 1 denotes a draft-tongue, on the upper side of which adjacent to its forward end is arranged an upwardly-projecting stud 2, preferably tapering or frusto-conical in shape, as shown. The stud 2 is provided with a centrally-disposed passage through which is passed a fastening-bolt 3, said bolt extending through the tongue 1 and having applied to its lower end a nut 4, by means of which the stud 2 is securely held in place on the tongue.

Adapted to be engaged with the stud 2 is a draft-bar 5. Said bar preferably conforms to the shape of the tongue and is provided at its outer end with a conical-shaped passage 6, by means of which the bar is pivotally mounted on the tapering stud 2. On the upper end of the stud 2 is arranged a washer or plate 7, through which the bolt 3 is passed and by means of which the draft-bar 5 is loosely held in place on the stud 2.

The inner end of the bar 5 is provided with a rearwardly-projecting lug 8, adapted to be engaged with a clip or casting 9, secured to

the upper side of the tongue adjacent to the inner end of the same, as shown. The casting 9 is provided with an elongated aperture or slot 10, with which the lug 8 is engaged and by means of which the bar 5 is permitted to have a limited lateral or swinging movement on the tongue.

Pivotally mounted on the upper side of the bar 5, adjacent to its inner end, is a double-tree 12, to the ends of which are connected the usual swingletrees or other draft devices 13, to which the draft-animals are hitched. By providing a device of this character the draft of the vehicle or machine will be applied to the outer end of the tongue through the draft-bar 5, whereby, owing to the pivotal connection of said bar with the tongue, as herein shown and described, the side draft and jolting or jerking of the tongue is eliminated, thus relieving the neck of the draft-animal from the sudden jerking as is occasioned by the construction of draft-tongues now in use. By providing a device of this character a vehicle or machine may also be more readily turned.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A draft device of the character described comprising a draft-bar, means to pivotally connect the same to the forward end of a draft-tongue, an apertured casting secured to the rear end of the tongue, and a lug on the inner end of said draft-bar to loosely engage the aperture in said casting, substantially as described.

2. A device of the character described comprising a draft-bar having near its outer end a tapered bearing-aperture, a tapered stud secured to the forward end of a draft-tongue to receive the apertured end of said bar, a slotted casting secured to the tongue near its rear end, a lug arranged on the inner end of the draft-bar to engage said slotted casting, and draft devices secured to the inner end of said draft-bar, substantially as described.

3. A device of the character described comprising a draft-bar having near its outer end a tapered aperture, a tapered apertured stud arranged on the outer end of the tongue, a
5 fastening-bolt to hold said stud in place, a washer on said bolt to hold the draft-bar on said stud, a slotted casting secured to the tongue near the inner end of the same, a lug on the inner end of said draft-bar to engage
10 the slot in said casting, and a doubletree piv-

otally connected to the inner end of the draft-bar, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

OTTO OTTOSON.

Witnesses:

M. F. CONDON,
T. C. CLARY.