

(No Model.)

J. W. HEATON.

FENDER ATTACHMENT FOR PLOWS.

No. 424,647.

Patented Apr. 1, 1890.

Fig. 1.

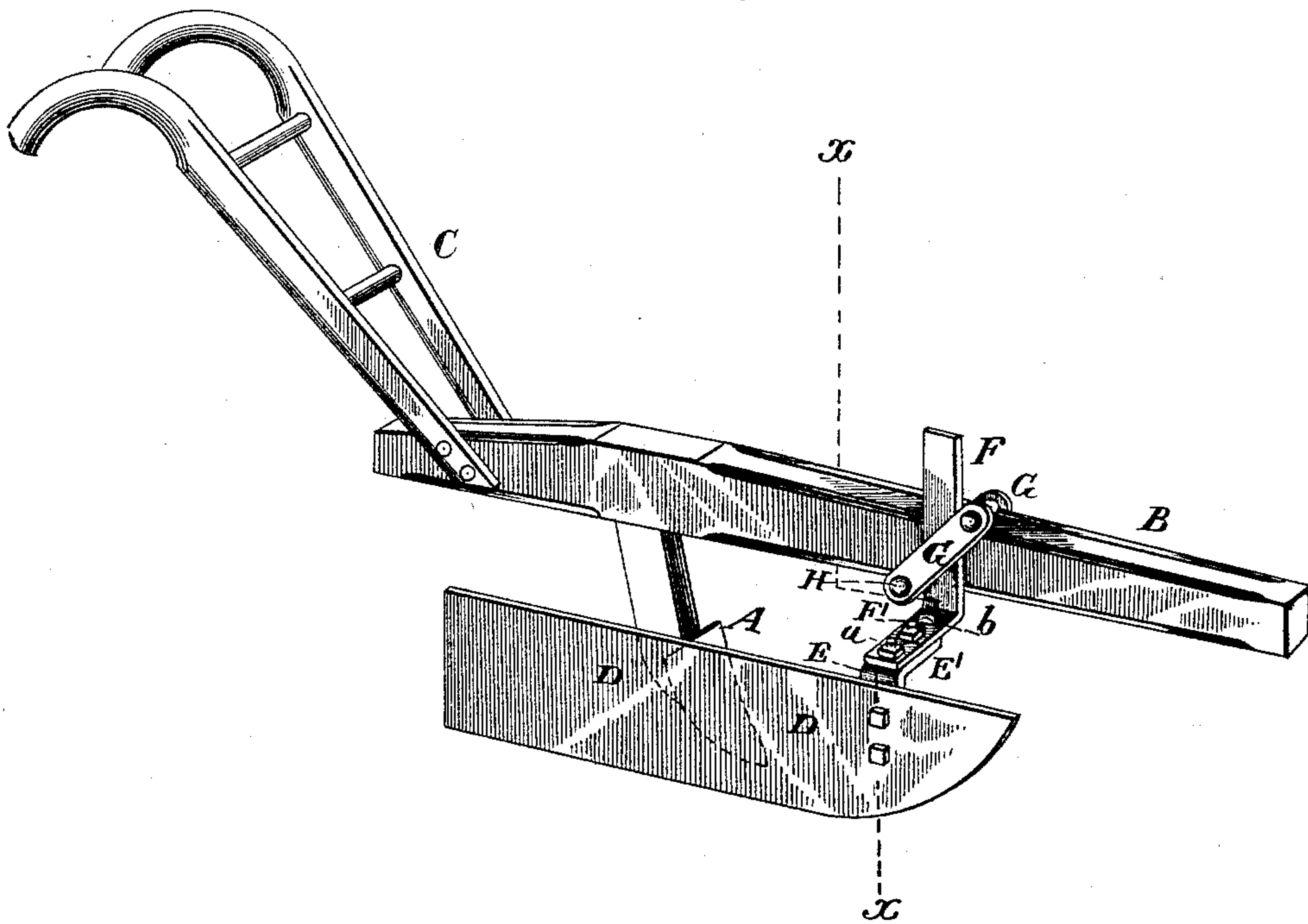
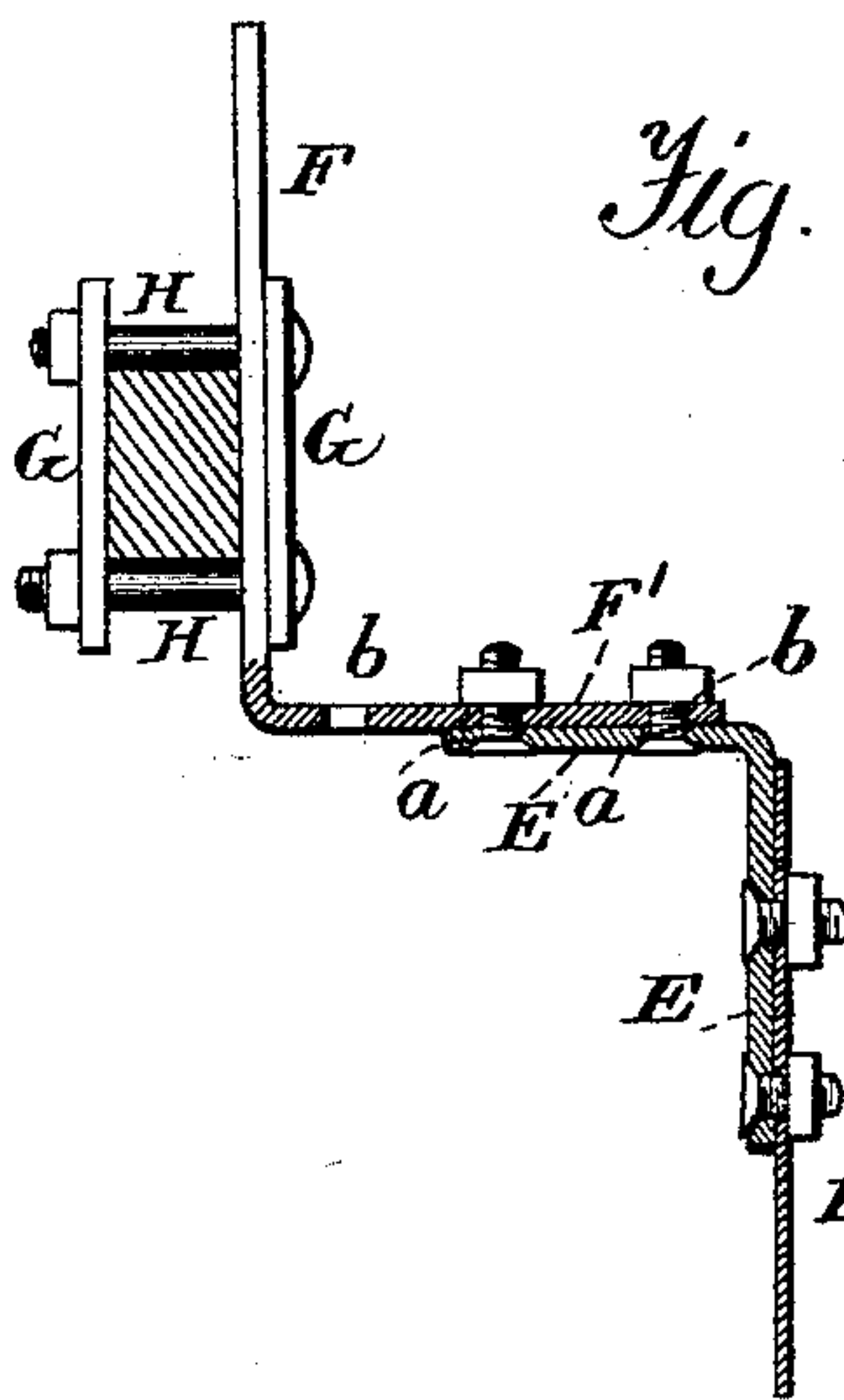


Fig. 2.



Witnesses.
A. Ruppert.
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UNITED STATES PATENT OFFICE.

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FENDER ATTACHMENT FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 424,647, dated April 1, 1890.

Application filed September 6, 1889. Serial No. 323,141. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. HEATON, a citizen of the United States, residing at Etowahaton, in the county of Etowah and State of Alabama, have invented certain new and useful Improvements in Fender Attachments for Plows; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in plant-guards for plows; and it has for its object to simplify and cheapen the construction, and to render more efficient in operation this class of devices.

To the above ends and to such others as the invention may relate the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating like parts throughout the several views, and in which drawings—

Figure 1 is a perspective view of a plow provided with an attachment constructed and attached in accordance with my invention. Fig. 2 is a section on the line *xx* of Fig. 1.

A serious objection to the use of this class of plow attachments as heretofore constructed has been due to the fact that it has been impossible to adjust the fender in close proximity to the plow when such adjustment has been desirable, and in the present invention I have overcome this objection, and have produced a fender which may be readily adjusted in such a position as to actually contact with the plow, and which may be as readily adjusted when desired at some distance therefrom.

Reference now being had to the details of the drawings by letter, A designates the plow,

B the beam, and C the handles, all of which parts are of well-known construction.

D represents the fender proper, which is constructed of heavy sheet metal, and preferably of substantially the form shown, though the size and general form of the fender may be varied without departing from my invention.

Bolted securely to the inner face of the fender-plate D, at a point near its forward end, is the angle-iron E, the angle in said iron being, when the same is in place, a short distance above the upper edge of the plate, and the horizontal portion E' of the iron is provided with a series of holes *a a*, for a purpose which will presently appear.

F is an angle-iron, the vertical arm of which is held in place adjacent to the beam of the plow by means of the clip-irons G and bolts H. The horizontal arm F' of the angle-iron F is adapted to bear upon the upper face of the arm E' of the angle-iron E, and is provided with a series of holes *b*, corresponding in size and relative position with the holes *a* in the said arm E', and through these holes it is designed to pass bolts in securing the parts together in their adjusted position.

It will be seen that by the construction described the horizontal arms of the adjacent angle-irons may be adjusted at will by simply placing the bolts in the holes necessary, and it will also be seen that as the horizontal arm of the angle-iron attached to the fender is slightly above the upper edge of the fender-plate the said plate may be adjusted in close proximity to the plow, as the horizontal arm of the angle-iron F will, when so adjusted, extend beyond the upper edge of the said plate.

The attachment may be readily adjusted vertically by simply loosening the clip-bolts upon the plow-beam, and after having adjusted the vertical arm of the angle-iron F the same may be secured in its adjusted position by again tightening the bolts.

The fender may be readily and easily changed from one side of the plow to the other when desired, and it is equally well adapted for use upon either side, as will be readily understood.

It will be seen that by the means described

for securing the fender to the plow-beam the necessity of weakening the beam by passing bolts therethrough is obviated. The angle-irons F and E are equally well adapted for
5 use in adjustably attaching the fender to either side of the plow-beam, the only change necessary being to place the angle-iron F upon the opposite side of the beam and transfer the vertical arm of the angle-iron E to the op-
10 posite side of the fender-plate.

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

15 In a plow, the combination, with the beam B, of the angle-iron F, the vertical arm of which is secured to one side of the beam, forward of the standard, by means of the clip G and bolts H, the horizontal arm being pro-

vided with a series of perforations, the fender D, the angle-iron E, the vertical arm of which
20 is secured to the forward end of the fender, the horizontal arm of the same being provided with a series of perforations corresponding in size and relative position with the perfo-
25 rations in the arm F, the bolts and nuts passing through the said perforations to hold the fender in place, the rear end of said fender extending rearward beyond the standard, substantially as and for the purpose de-
30 scribed.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES W. HEATON.

Witnesses:

WILLIAM J. LAFOLLETT,
SAMUEL E. FORD.