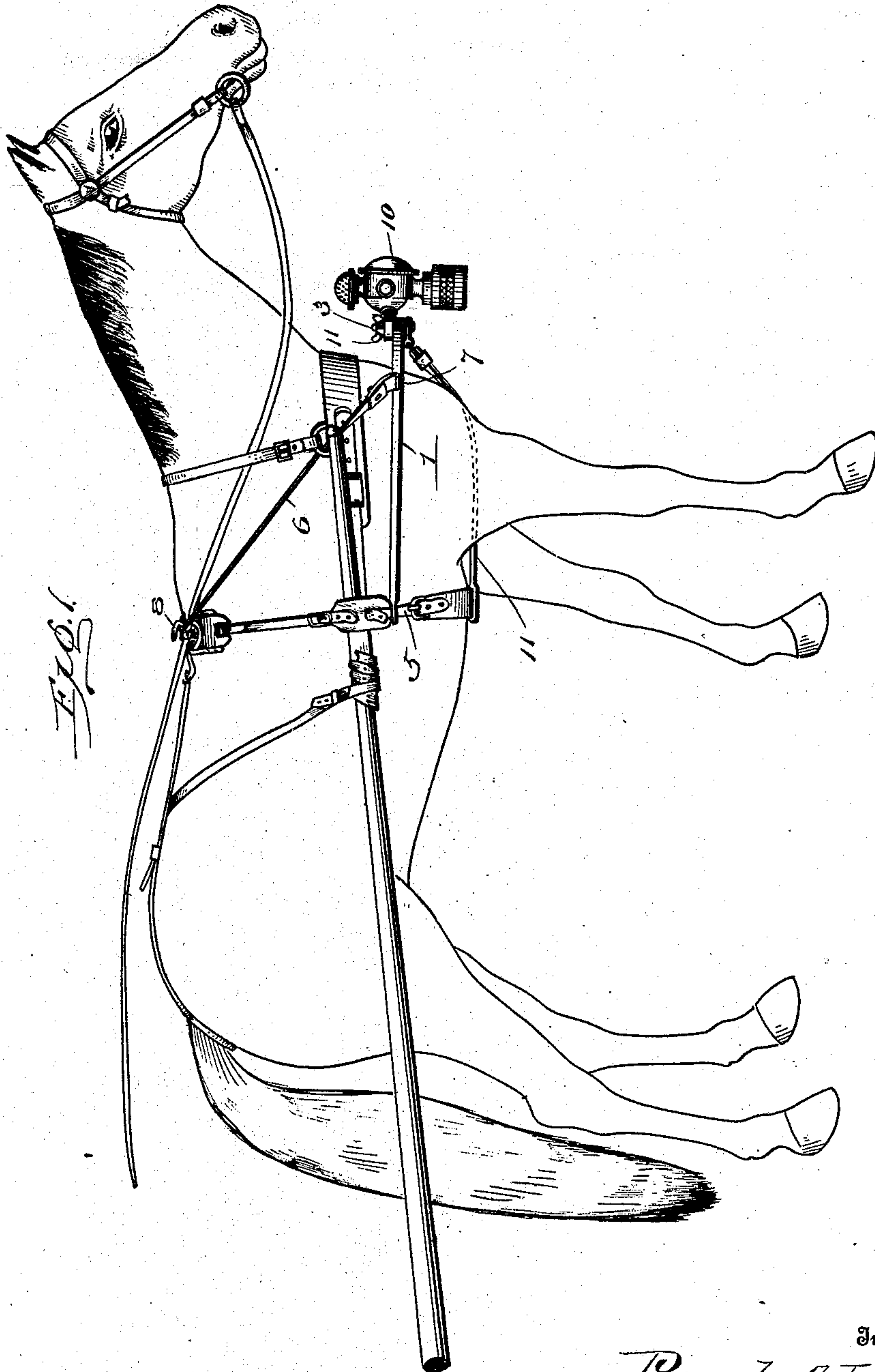


P. A. LIBBY.
HEADLIGHT ATTACHMENT FOR HORSES.
APPLICATION FILED APR. 29, 1908.

911,733.

Patented Feb. 9, 1909.
2 SHEETS—SHEET 1.



Witnesses
J. M. Fowler Jr.
H. Strauss.

Inventor
Pearl A. Libby

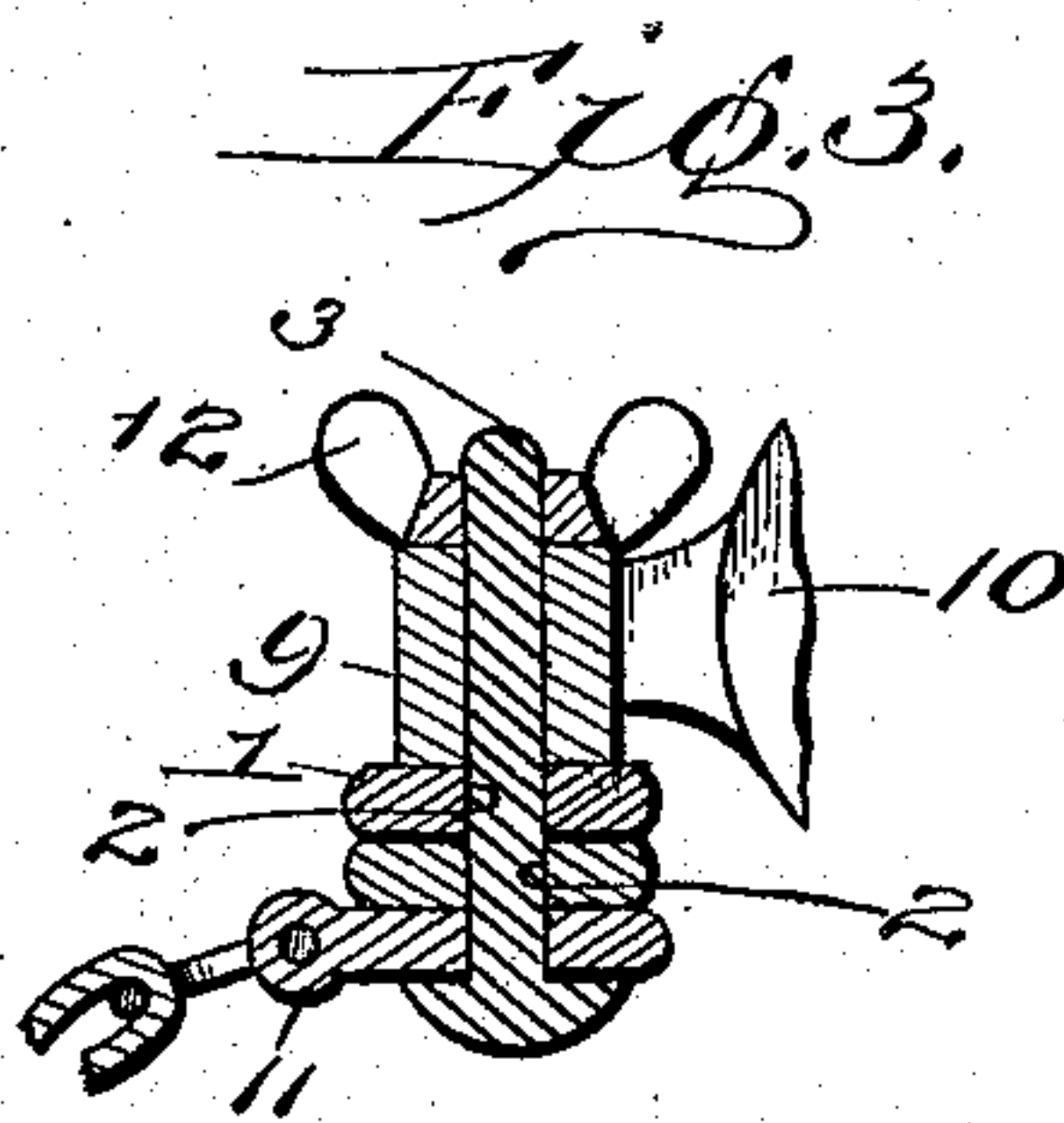
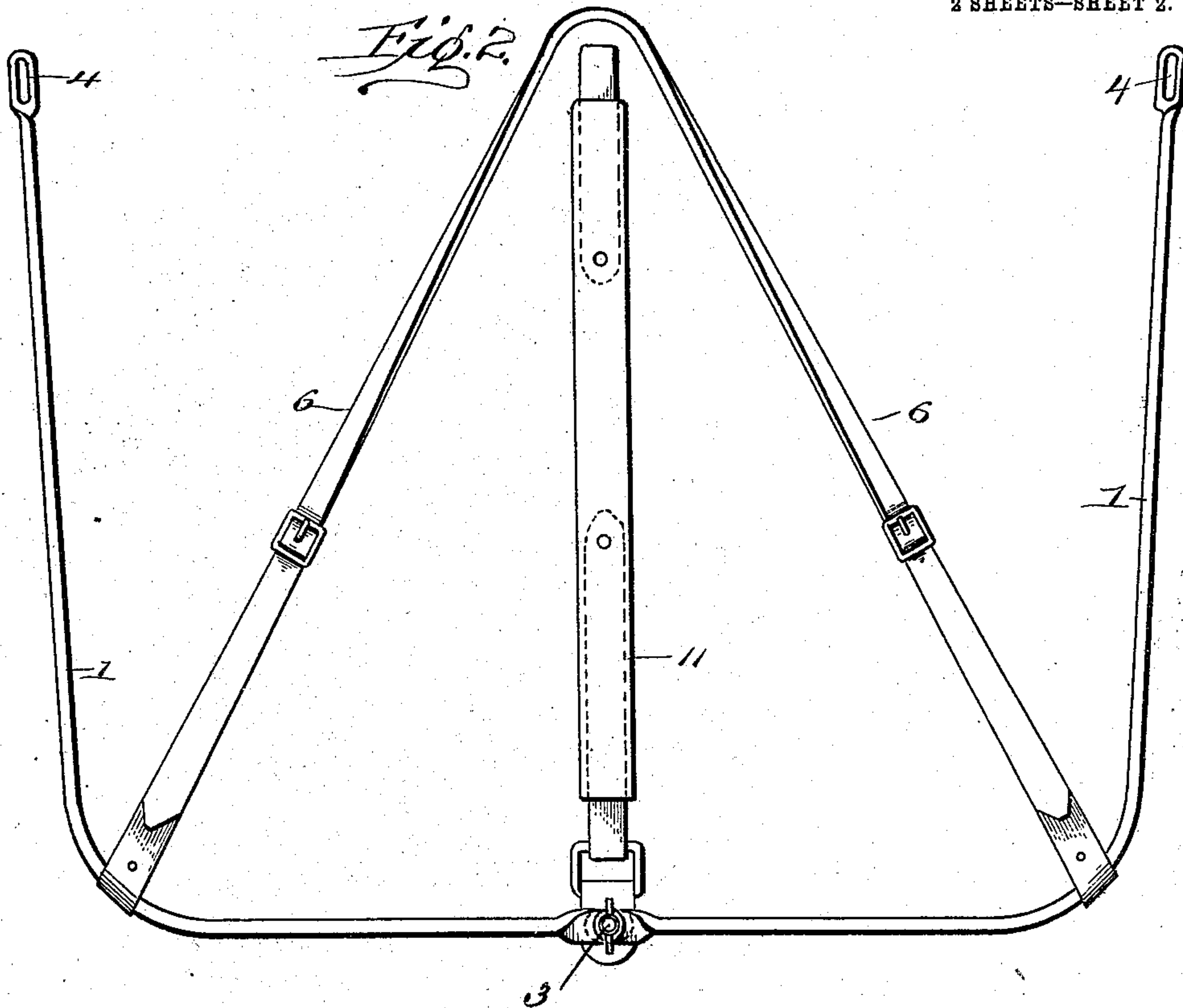
By *William B. Jones*
Attorney

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Attorney

UNITED STATES PATENT OFFICE.

PEARL A. LIBBY, OF CLAREMONT, NEW HAMPSHIRE, ASSIGNOR OF ONE-THIRD TO GEORGE R. PAIGE AND TWO-THIRDS TO HIRAM N. JOHNSON, OF CLAREMONT, NEW HAMPSHIRE.

HEADLIGHT ATTACHMENT FOR HORSES.

No. 911,733.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed April 29, 1908. Serial No. 429,821.

To all whom it may concern:

Be it known that I, PEARL A. LIBBY, a citizen of the United States, residing at Claremont, in the county of Sullivan and State of New Hampshire, have invented certain new and useful Improvements in Headlight Attachments for Horses, of which the following is a specification.

This invention relates to headlight attachments for horses, and the primary object thereof is to provide a device of the class set forth that will illuminate the path in front of the horse in the night along unlighted streets or upon country roads.

Another object of this invention is to provide lamp suspension means which will receive most any of the various types of standard lamps, and which may be adjusted expeditiously to any horse.

Still another object contemplated by this invention is the provision of means for mounting a given lamp with respect to the horse, so that the movements of the latter will not interfere with the functions of said lamp.

To the accomplishment of the recited objects and others coördinate therewith, the preferred embodiment of the invention resides in that construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings, and embraced within the scope of the appended claims.

In said drawings: Figure 1 is a side elevation of a horse showing the invention applied thereto. Fig. 2 is a plan view of the lamp support frame and its appurtenances. Fig. 3 is a section, in detail, of the lamp socket and the forward terminals of the supporting members.

Similar numerals of reference indicate corresponding parts throughout the several views.

The lamp supporting frame is constituted by a pair of substantially right-angled shaped metallic members, designated by the reference character 1, having each of their terminals bent or twisted, the forward terminals being provided with apertures 2, which, when one of the sections is superimposed relative the other, as clearly illustrated in Fig. 3 of the accompanying drawings, are adapted to register and receive the bolt 3; the rear terminals being slotted as at 4, and suitably connected on each side of the horse to the girth 5. In its assembled position, the

supporting frame partially encircles the forward breast portion of the horse, and is suspended therefrom through the medium of the strap 6, which is connected to the slot 7 of each section of said frame, and in turn detachably fastened to the check-hook 8. The superimposed sections of the frame serve as a bearing or rest for the lamp socket 9, of the lamp 10, the hereinbefore mentioned bolt 3 projecting through this organization, including the end of the strap 11, which extends between the fore legs of the animal and is fastened to the underside of the girth 5, in any convenient manner.

By simply unloosening the thumb screw 12, the sections comprising the frame may be adjusted about the bolt 3 to the desired position, when the thumb screw is tightened, and in this manner the frame adapted to any size horse. In this connection, it will be noted that the bolt 3, taken in conjunction with the thumb screw 12, serve a dual purpose—as a fastening means for the lamp, and a pivot for the sections of the frame, whereby the latter may be adjusted. It is evident, therefore, that with the light supported in accordance with this invention, the rays will be thrown directly forward in the path traveled by the horse, and it will not only be easier for the horse to discern the way, but the driver is enabled to distinguish objects ahead, and avoid rough or dangerous places in the road. Owing to the novel suspension means, the movements of the lamp are always commensurate with the movements of the horse, and any undue oscillation or lateral motion is prevented. Furthermore, any ordinary and well known type of lamp can be employed, and disconnected at will to permit of its use for other purposes, such for example, as a substitute for a barn lantern.

It should be understood that in its broader aspects the invention comprehends not only the employment of the various means described, but of equivalent means for performing the recited functions. While the arrangement shown is thought, at the present time, to be preferable, it is desired to reserve the right to effect such modifications and variations thereof as may come fairly within the scope of the appended claims.

Having described the invention, what is claimed, is:

1. A headlight for horses, comprising in

combination, a sectional supporting frame, the sections thereof being horizontally adjustable upon a common pivot and adapted to encircle the forward breast part of the horse, means for detachably connecting a lamp to said frame, and means suspending said frame from the horse so that the same will be free of undue oscillation.

2. A headlight for horses, comprising in combination, an adjustable sectional supporting frame adapted to encircle the forward breast part of the horse, a lamp detachably secured to said frame, a pivot connecting the sections of the frame and serving as a fastening for said lamp, and means suspending the frame from the horse so that the same will be free of undue oscillation.

3. A headlight for horses, comprising in combination, a sectional supporting frame encircling the forward breast portion of the horse, the sections of said frame being pivoted together and horizontally adjustable, means for adjustably connecting a lamp to said frame, and means suspending said frame from the horse so that the same will be free of undue oscillation.

4. A headlight for horses, comprising in combination, a sectional supporting frame encircling the forward breast portion of the horse, the sections of said frame comprising terminally pivoted horizontally adjustable

angle bars, means for adjustably connecting a lamp to said frame, and means suspending said frame from the horse so that the same will be free of undue oscillation.

5. A headlight for horses, comprising in combination, a sectional supporting frame encircling the forward breast portion of the horse, the sections of said frame having their terminals superimposed and pivoted to permit of a horizontal adjustment, means for adjustably connecting a lamp to said frame, and means suspending said frame from the horse so that the same will be free of undue oscillation.

6. A headlight for horses, comprising in combination, a sectional supporting frame encircling the forward breast portion of the horse, the sections of said frame having their terminals superimposed and pivoted to permit of a horizontal adjustment, a lamp adapted to be detachably secured to said pivot, and means suspending said frame from the horse so that the same will be free of undue oscillation.

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

PEARL A. LIBBY.

Witnesses:

LEON E. PAIGE,
ELSIE M. WASHBURN.