

(No Model.)

N. D. NOBLE.

REIN GUIDE.

No. 369,465.

Patented Sept. 6, 1887.

Fig. 1

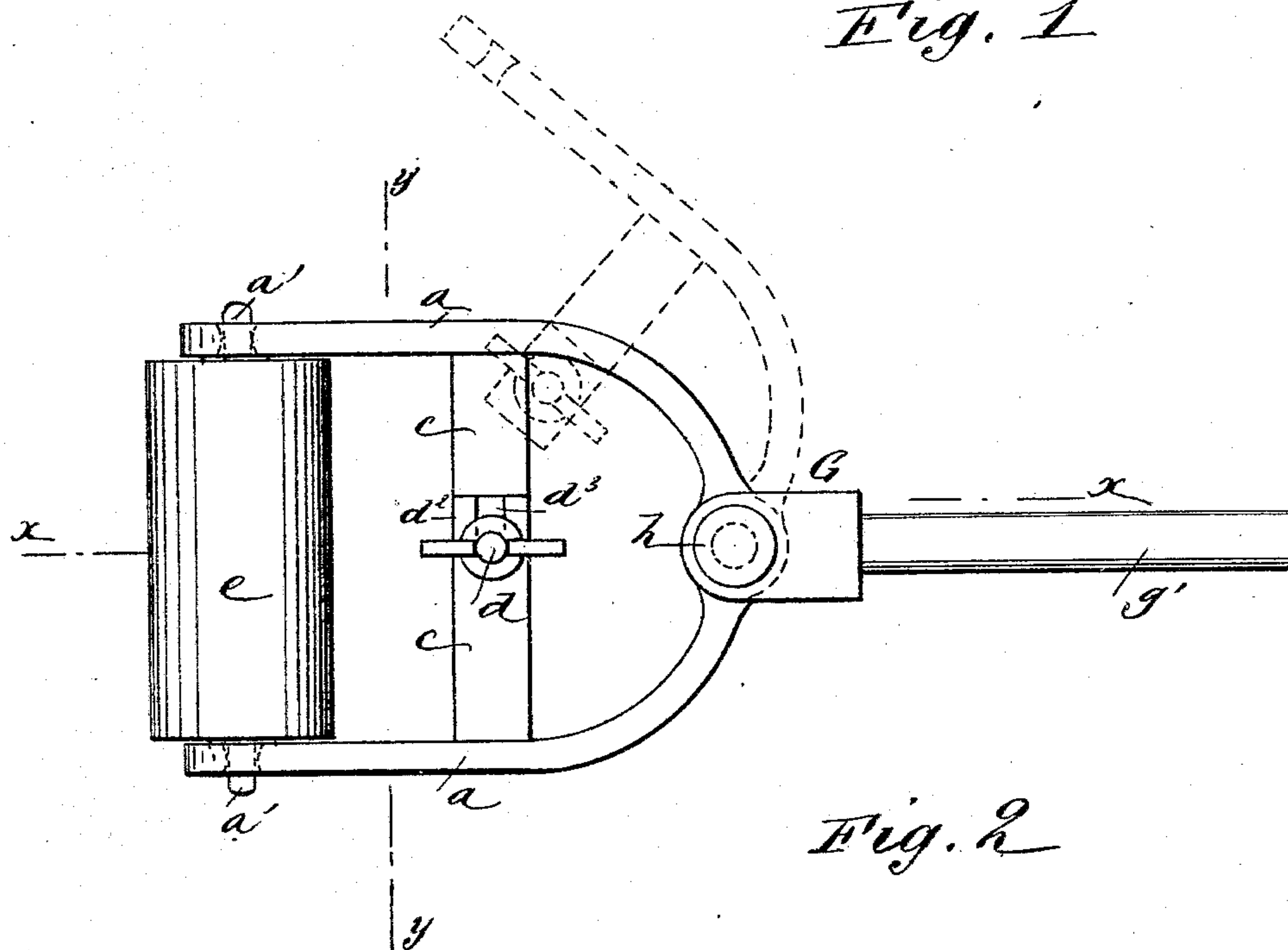


Fig. 2

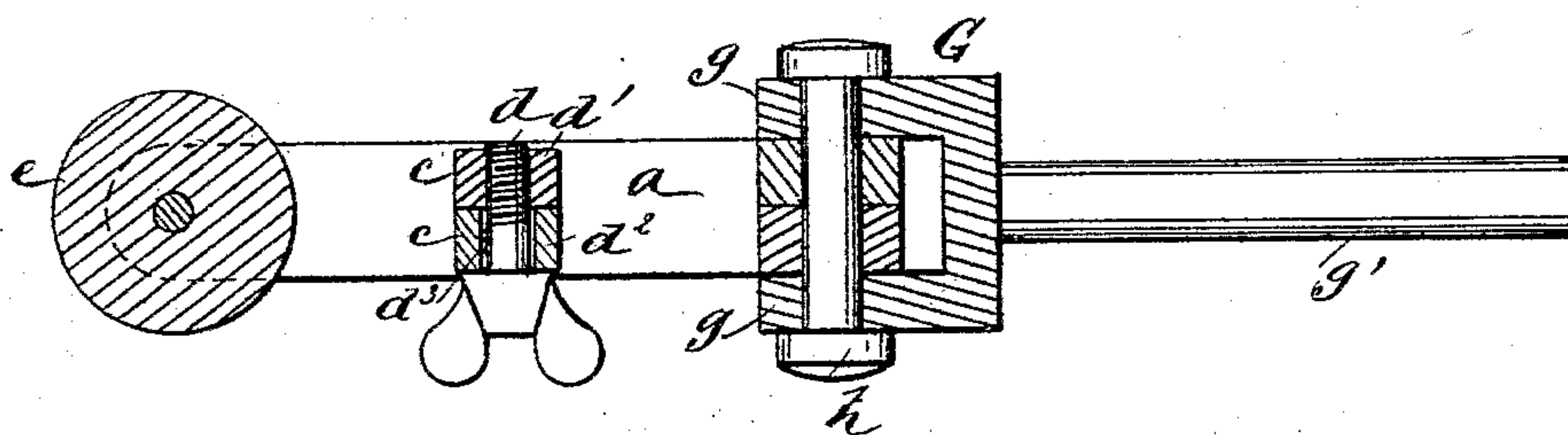
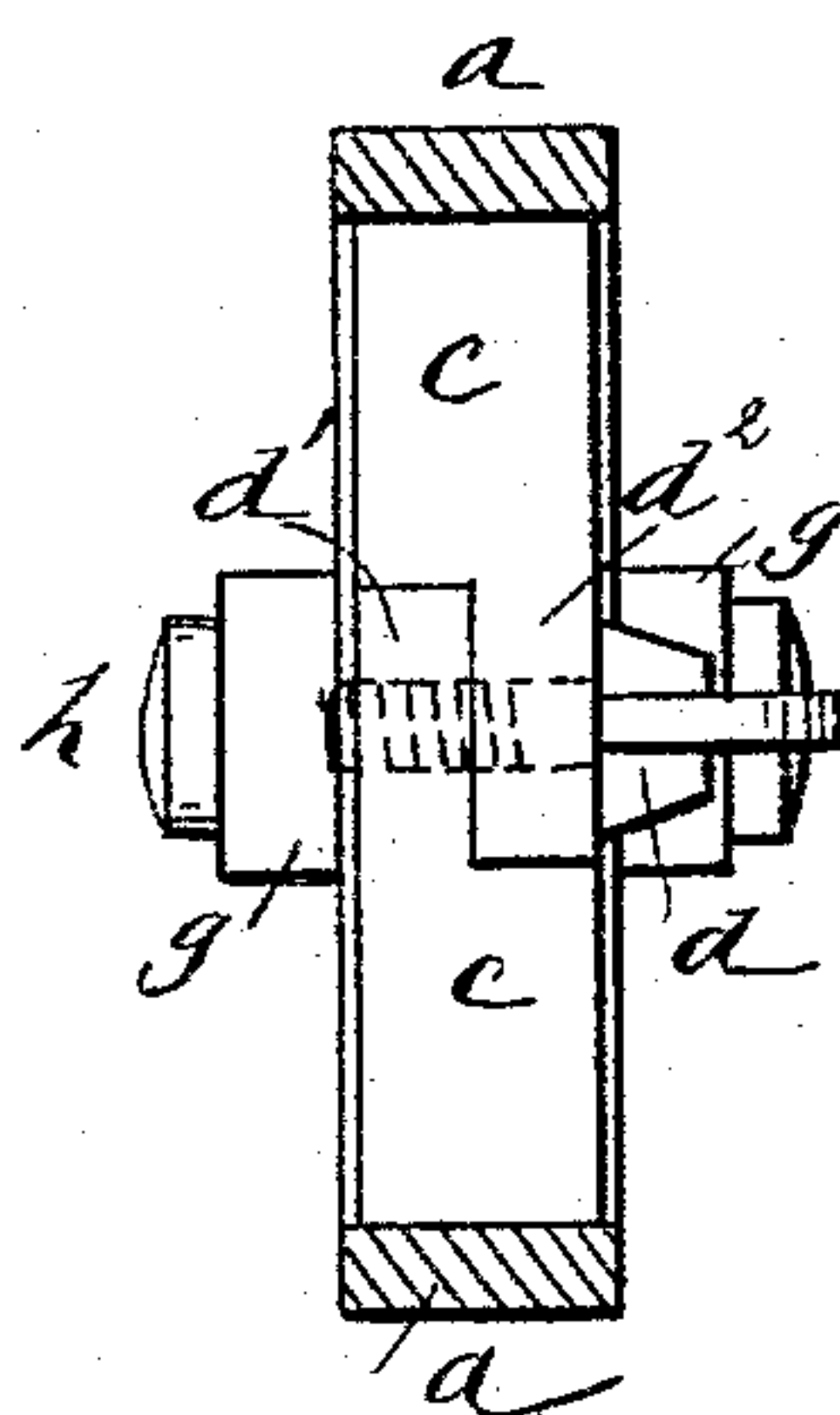


Fig. 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

NOAH DWIGHT NOBLE, OF CARROLL, IOWA.

## REIN-GUIDE.

SPECIFICATION forming part of Letters Patent No. 369,465, dated September 6, 1887.

Application filed April 15, 1887. Serial No. 234,918. (No model.)

*To all whom it may concern:*

Be it known that I, NOAH DWIGHT NOBLE, of Carroll, in the county of Carroll and State of Iowa, have invented a new and Improved Rein-Guide for Harnesses, of which the following is a full, clear, and exact description.

The object of my invention is to provide a cheap, durable, and convenient rein-guide for harness that will reduce the friction of the rein in the guide to the minimum.

The invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my new and improved rein-guide, showing the hinged side thereof elevated in dotted lines. Fig. 2 is a sectional elevation on line *xx* of Fig. 1; and Fig. 3 is a transverse sectional elevation on line *yy* of Fig. 1.

*a a* represent two curved arms connected at their curved end by a hinge-joint. At the opposite ends are formed holes to receive the projecting ends *a' a'* of a pin passed through the roller *e* from end to end. *c c* are two bars by which the two arms *a a* are held in position by the thumb set-screw *d*. These bars are halved at their inner ends to form the lap-sections *d' d'*, which match each other. In the section *d'* is formed a slot, *d''*, through which the thumb-screw passes, and a threaded hole

is formed in the other section to receive the threaded end of the thumb-screw *d*.

*G* represents the staple to which the hinged ends of the arms *a a* are attached by a pin, *h*, which is passed through the bars and members *g g* of the staple and riveted. The staple *G* is attached to the hame of the harness by a pin, *g'*, passing through the hame. The staple is so attached that the rein-guide will stand endwise, and so it will readily turn on the pin *h* up or down, but not back or forth horizontally.

To insert or remove a line, or to remove the roller *e*, it is only necessary to slack the thumb-screw *d*, and the two arms *a a* will readily part at their outer ends to disengage from the projecting pins of roller *e*, as will be readily understood from the dotted lines in Fig. 1.

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

1. In a rein-guide, the two arms *a a*, pivoted to the staple *G*, for connecting the rein to the harness, in combination with the roller *e*, held at the free ends of the arms *a a*, substantially as described.

2. The arms *a a*, formed or provided with the bars *c c*, in combination with the roller *e*, fastening device *d*, and staple *G*, to which the arms are hinged, substantially as described.

NOAH DWIGHT NOBLE.

Witnesses:

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