

(No Model.)

J. H. KLINKNER.
NECK YOKE RETAINER.

No. 343,037.

Patented June 1, 1886.

Fig. 1.

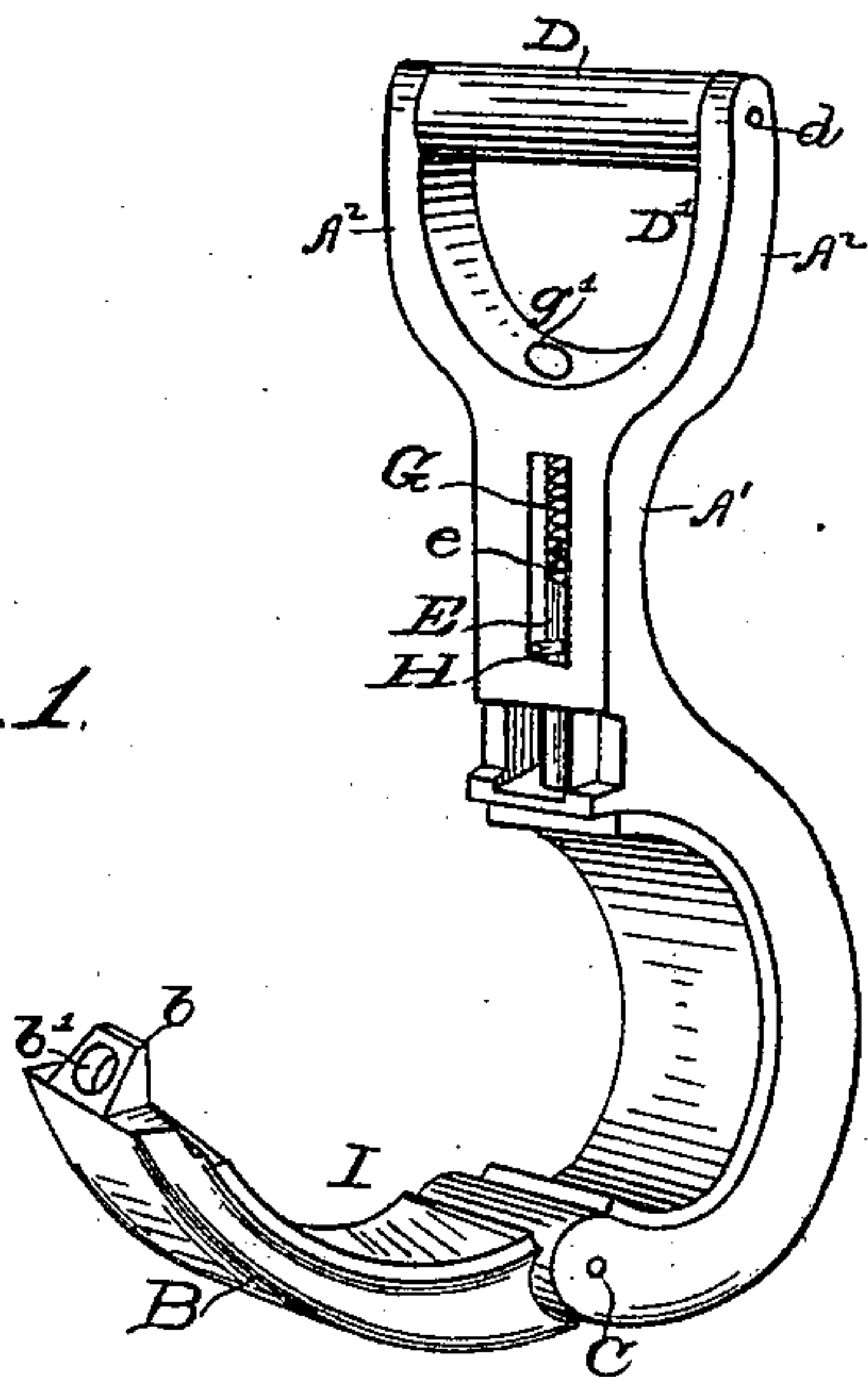
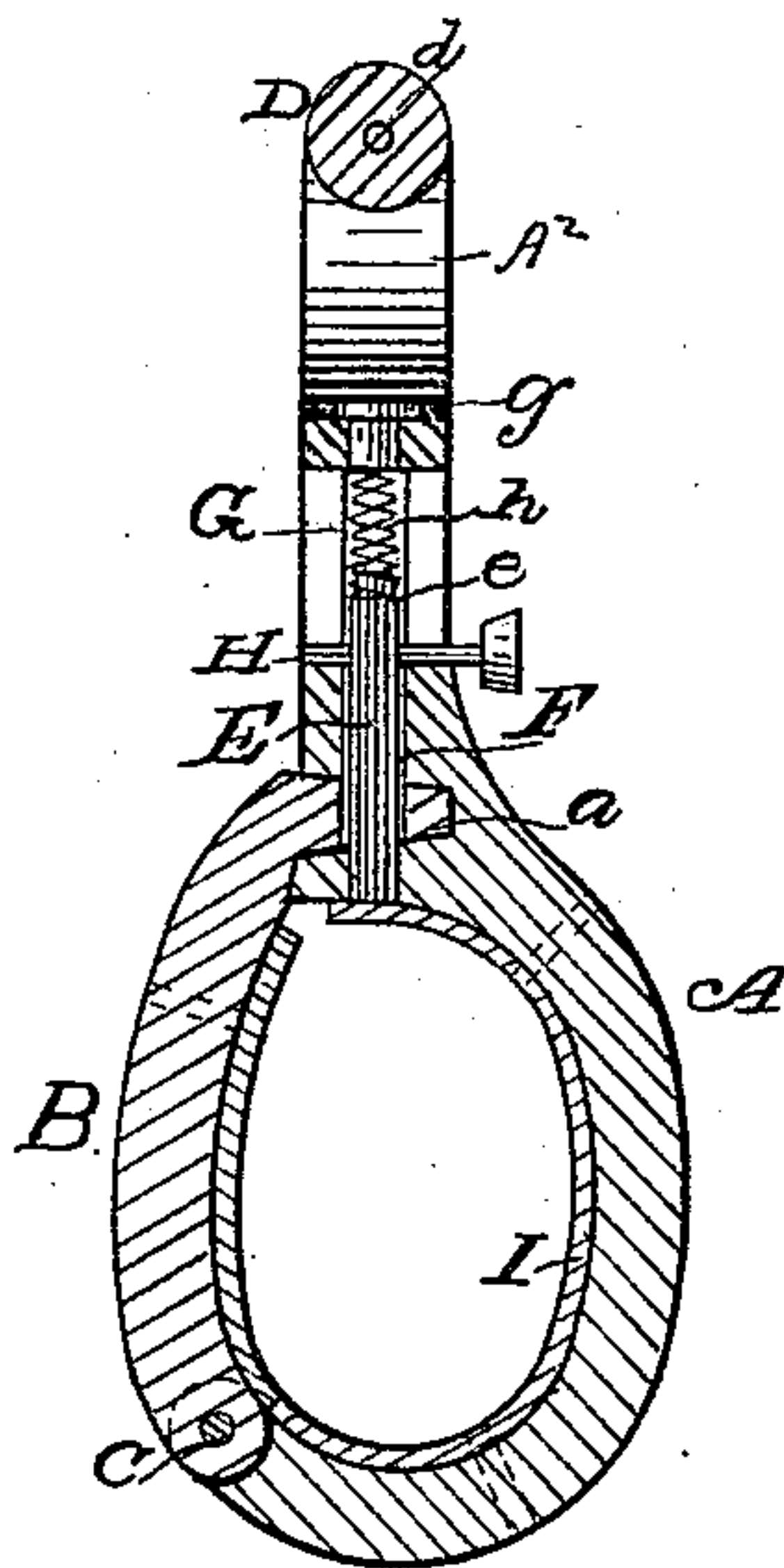


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN H. KLINKNER, OF CASCADE, ASSIGNOR TO TIMOTHY CROWLEY, OF
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NECK-YOKE RETAINER.

SPECIFICATION forming part of Letters Patent No. 343,037, dated June 1, 1886.

Application filed April 3, 1886. Serial No. 197,728. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. KLINKNER, a citizen of the United States, residing at Cascade, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Neck-Yoke Retainers; 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 and figures of reference marked thereon, which form a part of this specification.

My invention relates to devices for coupling the neck-yoke of poles with the short strap depending from the collar of the animal, whereby simplicity, economy, and neatness of construction, together with durability, efficiency, convenience, and facility of use are secured.

It consists in the novel details of construction more fully hereinafter set forth and claimed, and shown in the annexed drawings, in which—

Figure 1 is a perspective view of the device, showing the hinged part open. Fig. 2 is a central sectional view taken at right angles to the neck-yoke-receiving opening.

The device comprises the two curved parts A and B, hinged together at C. The part or body A has a stem, A', bifurcated at its outer end, forming arms A², between which a sleeve, D, is journaled on a rod, d, inclosing a space, D'. A recess or pocket, a, formed in the lower end of the stem on its inner side is adapted to have the end b of the hinged part B seated therein. Bolt E, sliding in a bore or opening, F, extending lengthwise through the stem, is adapted to be projected across the recess a and through an opening, b', in the end b of the hinged part and lock the same within the recess or pocket. Bolt E is shorter than the stem, and its inner end is reduced, forming a shoulder, e, on which rests one end of a coil-spring, G, the other end being secured to or bearing against a plug, g, inserted in the outer end of and closing the bore F, in the upper portion of which the spring works. A pin, H, passing transversely

through the bolt and through a slot, h, in the stem, serves as a means for manipulating the bolt, and also as a stop to limit its movement in each direction by striking the end of the slot.

In order that the end b may be more firmly seated in the pocket, it is made wedge shape, and the pocket is made of a corresponding shape, as clearly shown.

To afford a cushion, and prevent any undue wear and displacement of the neck-yoke, the curved parts A and B are provided on their inner sides with a lining, I, of leather or similar soft material.

In practice the strap from the collar of the animal passes through the space D' around the sleeve D, and the end of the pole, passing through the space inclosed by the curved parts, may be held or removed therefrom by locking or releasing the end of the hinged part B in a manner well understood.

I am aware that links and shaft-tugs have been provided with a movable section having its opposite end abutting against the intercepted end of the link or shaft-tug, and held in place by a spring-actuated bolt located in the movable part being projected across the junction of the abutting or meeting ends of said parts. Such construction, being old, is not claimed as a part of my invention, which differs essentially therefrom, as specifically recited in the claims.

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

1. The combination of the body A, terminating in stem A', formed with pocket a and opening F, bolt E, working in opening F and across pocket a, spring G, plug g, pin H, and the hinged part B, having apertured end b, fitting into the pocket a and engaged by bolt E, substantially as described.

2. The herein shown and described coupling device, consisting of the following elements in combination: body A, terminating in stem A' bifurcated at its upper end, forming arms which are united by a rod, said stem having formed therein pocket a, opening F,

and slot *h*, bolt *E*, working in the opening *F*,
and adapted to be projected across the pock-
et-pin *H*, plug *g*, spring *G*; interposed be-
tween the end of the bolt and the plug, and
5 the hinged part *B*, having an apertured end,
b, filling the pocket and adapted to be locked
therein by the bolt *E*, substantially as and for
the purpose set forth.

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

JOHN H. KLINKNER.

Witnesses:

JOHN P. SKAHILL,
D. M. FINLY.