

(No Model.)

D. O. COX.
HORSE CHECKER.

No. 294,445.

Patented Mar. 4, 1884.

Fig. 1

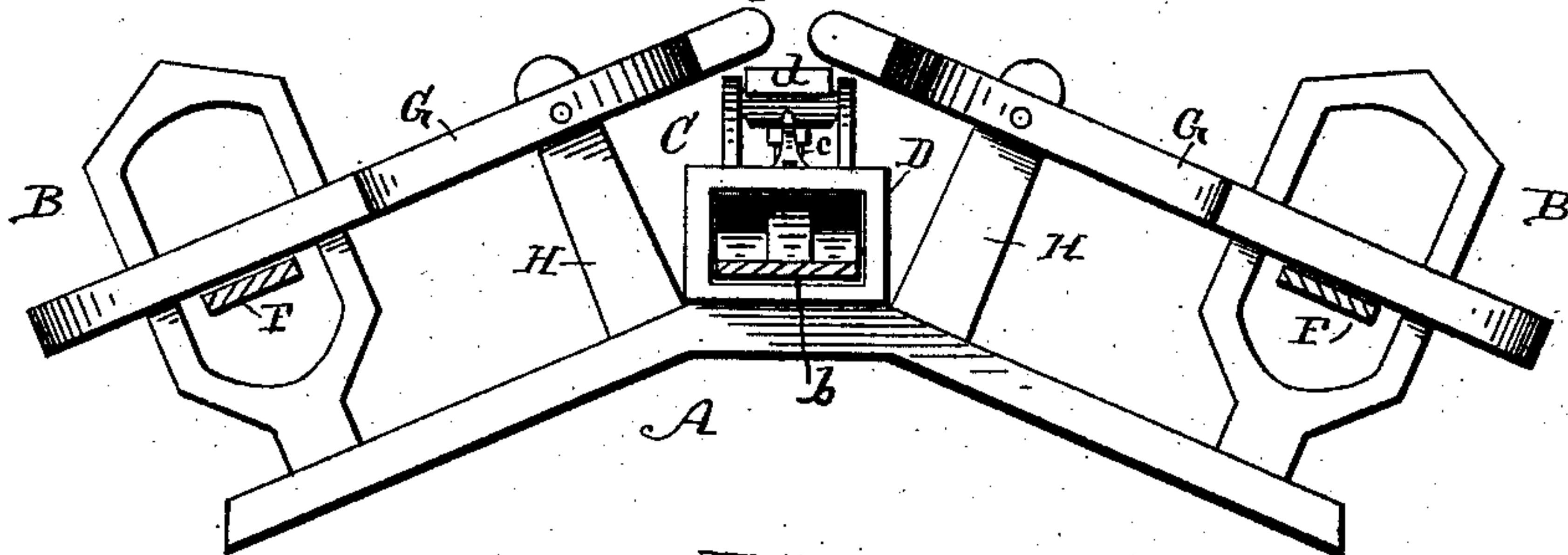


Fig. 2.

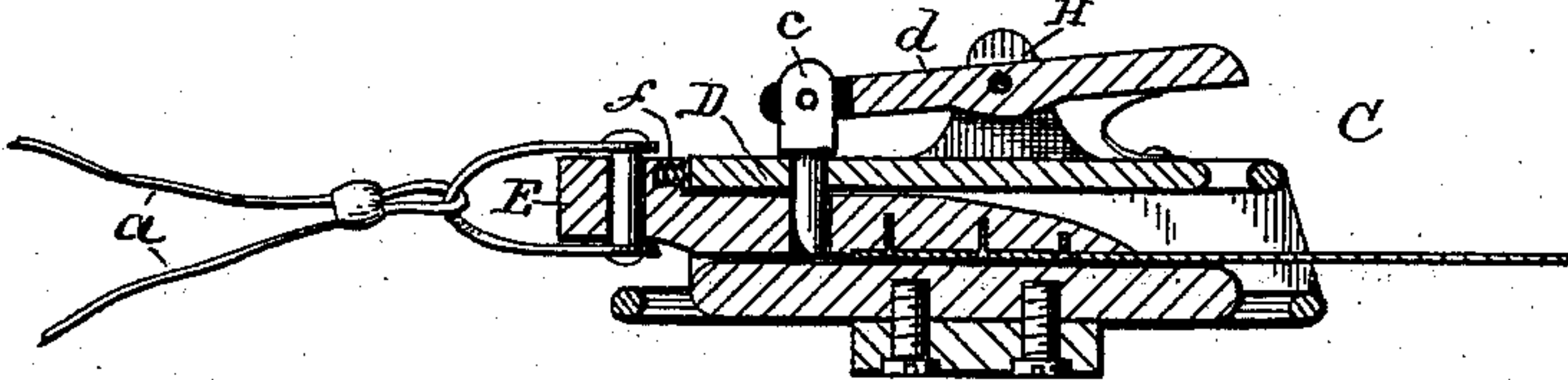
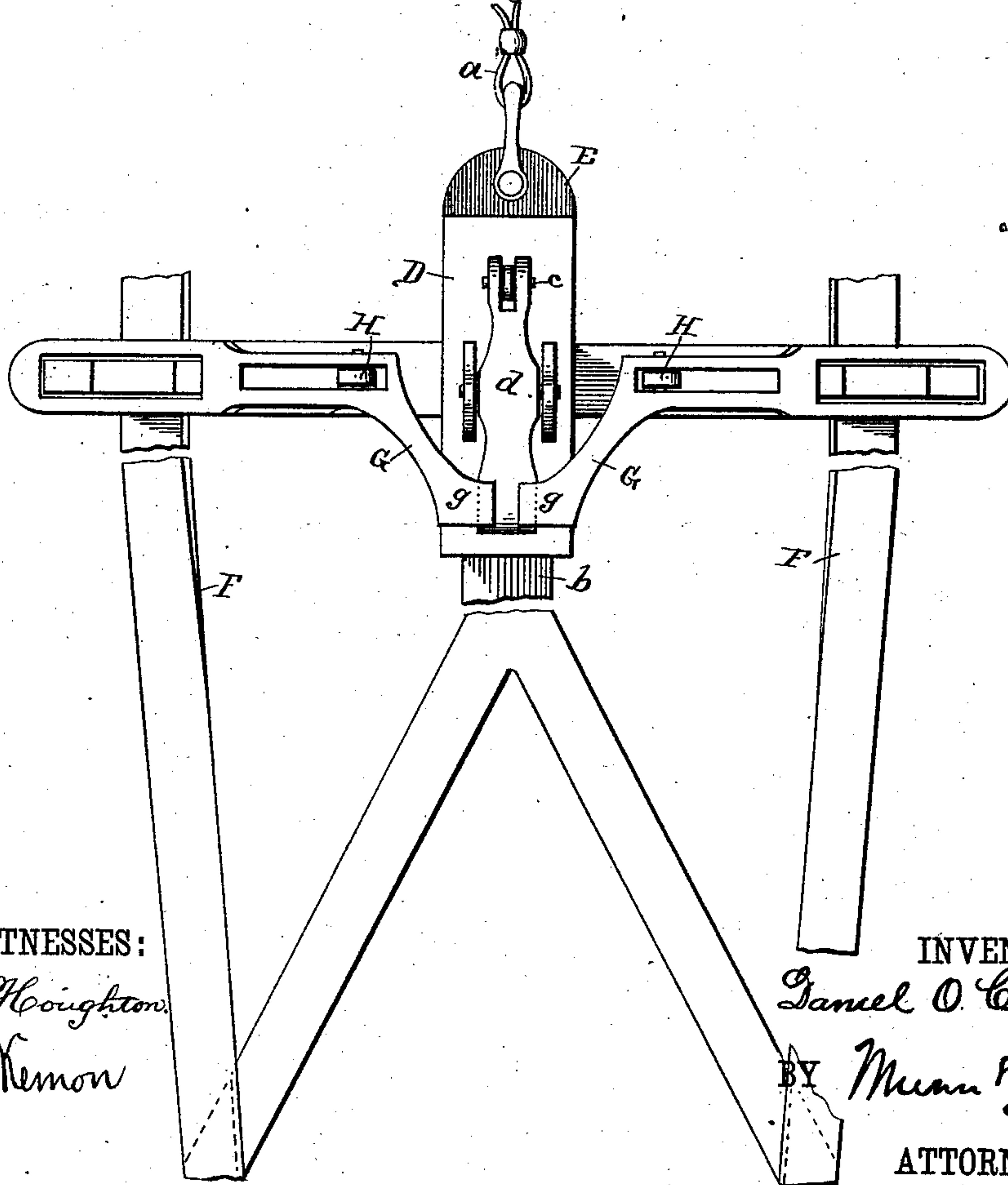


Fig. 3.



WITNESSES:

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DANIEL O. COX, OF MANNSVILLE, NEW YORK.

HORSE-CHECKER.

SPECIFICATION forming part of Letters Patent No. 294,445, dated March 4, 1884.

Application filed November 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, DANIEL O. COX, a citizen of the United States, residing at Mannsville, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in Horse-Checkers, of which the following is a description.

This invention relates to a device to be attached to a harness as a permanent fixture thereof, for the purpose of checking and unchecking the horse by means of the lines.

It relates more particularly to an improvement in the invention for which I filed an application for a patent July 23, 1883, which application was allowed October 2, 1883, and it is intended to coact therewith.

The object of the invention is to provide means whereby the check-rein of a horse's harness may be either hitched to or unhitched from the harness-saddle by the driver while seated in the carriage.

To this end my invention consists in the construction and combination of parts forming the horse-checker, hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a rear view of my invention attached to the saddle-tree of a harness. Fig. 2 is a longitudinal vertical section of the same; and Fig. 3 is a plan view of a portion of a harness, showing the operation of my invention.

A represents the saddle-tree of the harness, to which the rein-rings B are attached. I make these rings vertically elongated or loop-shaped, to permit more vertical play to the reins than usual.

C represents the horse-checker which is the subject of the former application, hereinbefore referred to, of which a brief description will be here given for the purposes of this specification.

D represents a longitudinally-apertured body, into the forward end of which a clip, E, enters. To one end of this clip the check-rein *a* is attached, and to the other end a line, *b*, is attached. Line *b* is bifurcated at its rear end, to attach to both of the reins F.

c is a spring-puppet or stop-pin to engage a hole in clip E, to hold the horse checked.

d is a lever pivoted at one end to said pin, and pivoted midway to the body D. The upper rear end of the clip E and the forward side of the lower end of pin *c* are beveled or wedge-

shaped, so that a direct pull upon line *b* will draw said clip into the body D beneath pin *c*, allowing said pin to spring into the hole in the clip. To thus engage the check-rein clip by pulling the hand-reins and to disengage said clip by pulling the same reins is the main purpose of the present invention.

G G represent two levers pivoted in posts H, secured to the saddle-tree A. Each of these levers is loop-shaped at one end, to pass over and around one of the rein-rings B, and to oscillate vertically by the action of the rein F, on which said lever rests. The other end of each lever G is bent to the rear, as shown at *g* in the plan view, to rest upon the rear end of lever *d*.

f is a spring acting to drive the clip E forward to carry its hole from under pin *c*.

The operation is as follows: By giving a sudden jerk on the reins strained upward levers G will actuate lever *d* to withdraw pin *c*, thus freeing the clip E to be pulled forward by the check-line *a*; but as the horse is at this instant suddenly restrained by the jerk of the lines the check-clip is provided with a spring, *f*, to push it forward enough to keep pin *c* from falling into its hole. The object of thus loosening the check-rein is to allow the horse to drink at a trough or brook without getting out to unhitch the check-line. By giving a long steady pull upon the reins somewhat farther back than is usual in driving the strap *b* will be tightened and will draw the check-clip into place.

What I claim as my invention, and wish to secure by Letters Patent, is—

1. The combination, with the check-rein-holding device C, of the levers G, as shown and described.

2. The combination, with the check-rein-holding device C, having the clip E and spring stop-pin *c*, of the strap *b*, bifurcated, and having its bifurcated ends secured to the reins, as described.

3. The combination, with a check-rein-holding device having the clip E, spring-pin *c*, and lever *d*, of the levers G and the spring *f*, as shown and described.

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Witnesses:

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