

(No Model.)

G. M. STRONG.
WATER HOOK FOR HARNESS.

No. 384,098.

Patented June 5, 1888.

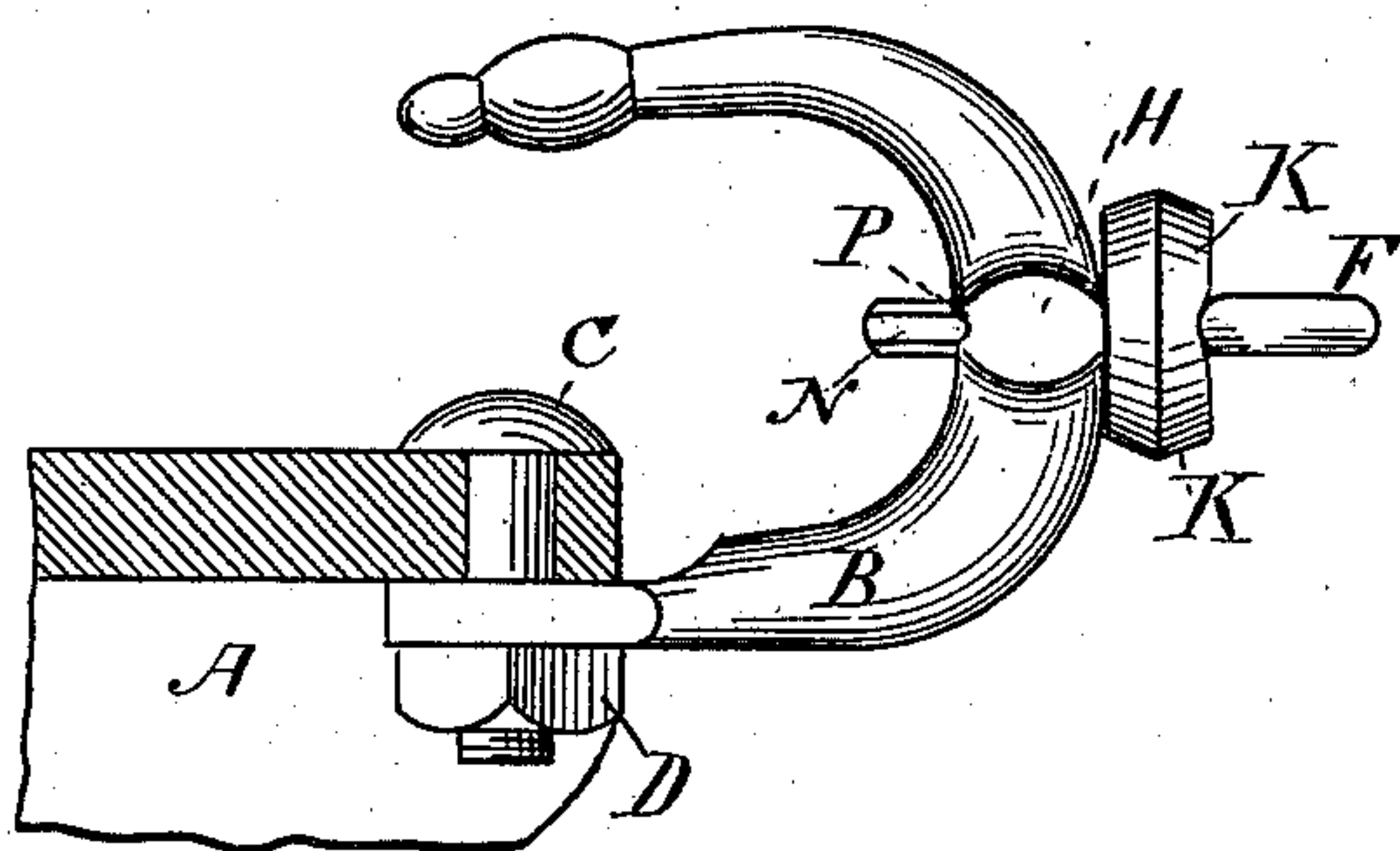


Fig- 1.

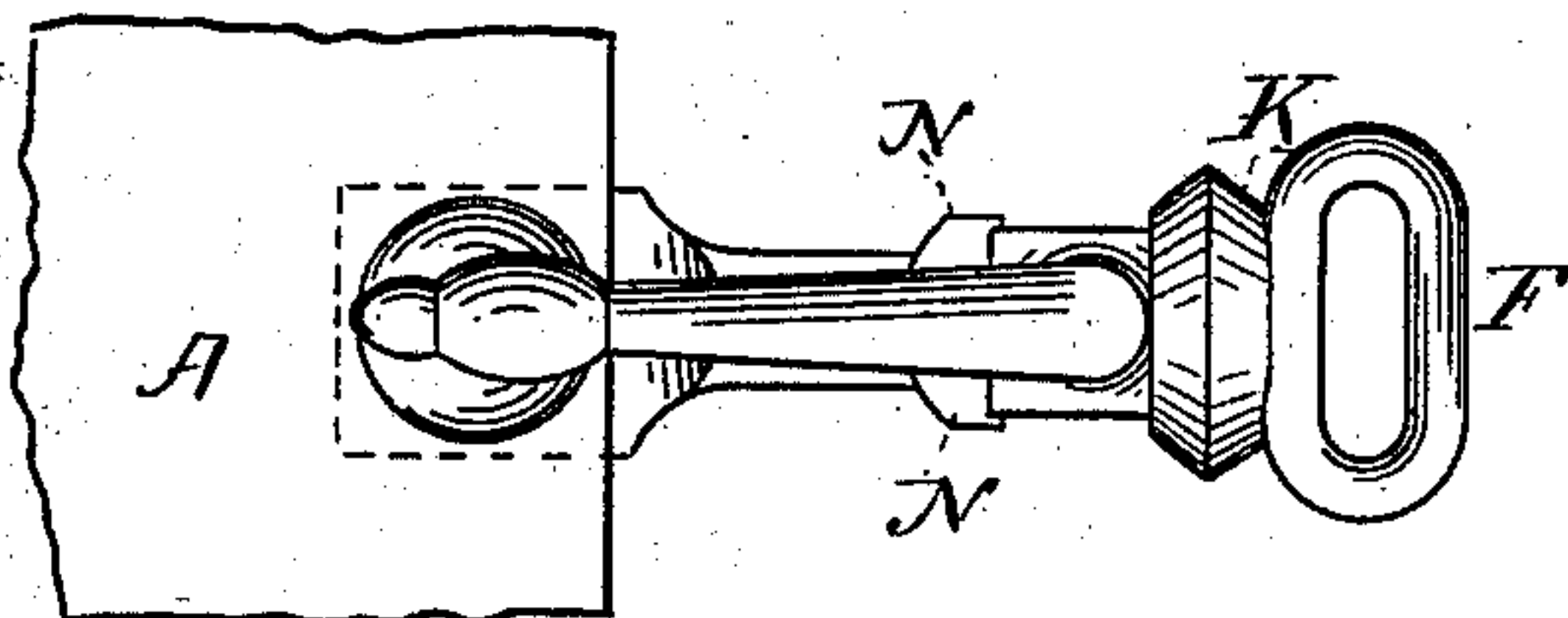


Fig- 2.

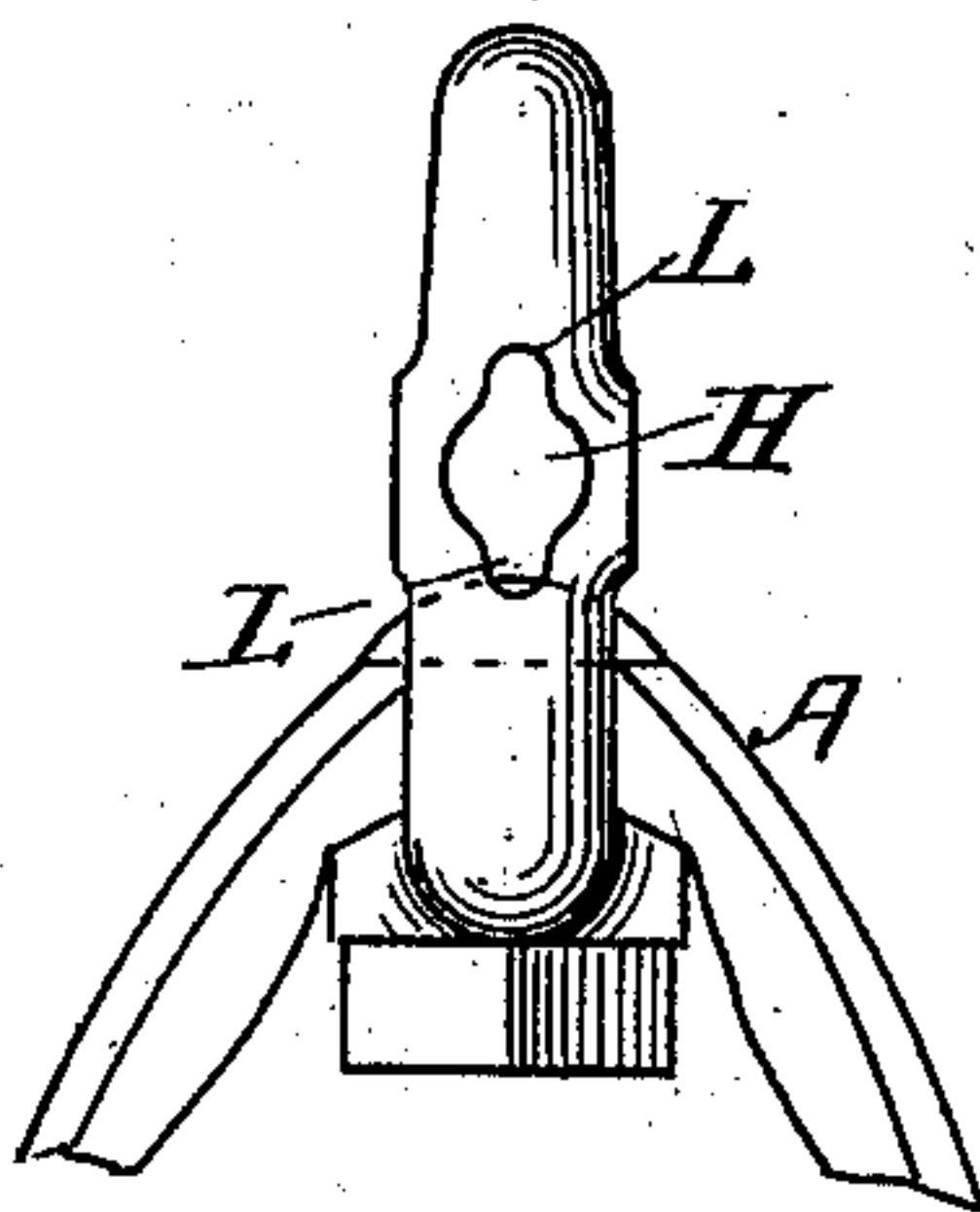


Fig- 3.

WITNESSES.

Frank C. Parker.
O. C. Smith.

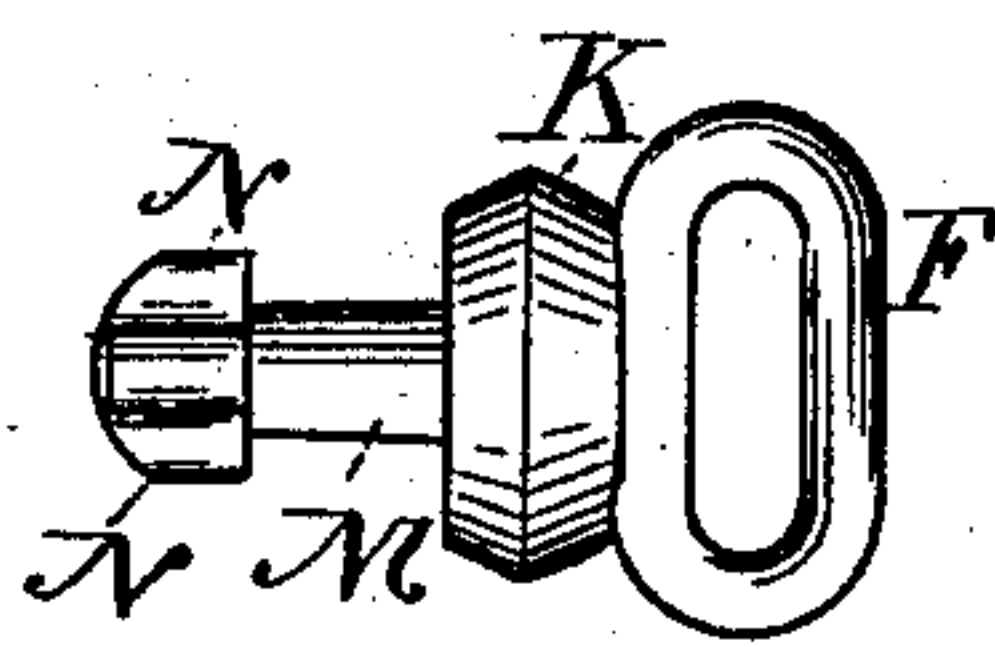


Fig- 4.

INVENTOR.

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UNITED STATES PATENT OFFICE.

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WATER-HOOK FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 384,098, dated June 5, 1888.

Application filed June 14, 1886. Serial No. 205,154. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. STRONG, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful
5 Improvement in Water-Hooks for Harnesses, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention has for its object to attach a
10 simple device to an ordinary water-hook, by which the bridle may be united in such a manner that there is no possibility of its becoming unhooked by the horse in throwing his head back; and it consists in an eyebolt having at
15 one end an eye or opening to receive the bridle and at the other end lateral flanges, the two being connected by a round shaft having upon it a spring.

The mechanism of my invention is illustrated in the drawings, of which—

Figure 1 is a side elevation showing my invention as applied to an ordinary saddle, or that part of the harness which takes the place of a saddle when no saddle is used. Fig. 2
25 represents the same in a plan. Fig. 3 represents my invention in elevation looking from the head of the horse, and Fig. 4 shows the eyebolt detached.

In the drawings, A represents the saddle or
30 the equivalent part of the harness, to which an ordinary water-hook, B, is attached by means of a bolt and nut, C D. This water-hook is made in the usual manner, except that it has an opening at H. (See Fig. 3.) This opening H consists of a round hole, which is extended vertically by slots L L, Fig. 3.

F is the front end of the eyebolt M, which is provided at its rear with a termination hav-

ing wings N N, Fig. 4, so that when the eyebolt is inserted in the opening H in the water-hook B it can be turned a quarter-turn, and thus held in place against any direct longitudinal strain; but to avoid the accidental turning of this eyebolt M, I provide a spring, K, Figs. 1, 2, and 4, and have on the interior
45 of the hook B sinkages P, Fig. 1, into which the wings N N are drawn by the spring K.

In applying my invention in practical use the checkrein is looped through the bolt F; so that the user, when he desires to release the
50 horse from the action of the checkrein, has to simply turn the eyebolt M a quarter-turn. This will allow the wings N N to pass through the slots L L, and the horse will be free to move his head as he may desire.

It is not essential to my invention that the hook B be made in the shape shown in the drawings; but I have adopted this form so that in changing harnesses my added device
60 would not interfere with the ordinary usage.

In making up a new harness I do not put on the water-hook B, but use in its place a simple standard or other fixture, to which I attach the eyebolt M.

I claim—

In a harness water-hook, the combination of the hook or standard B, having an opening, H, and slots L L, with the eyebolt M, having wings N N, and spring K, all adapted to operate together substantially as described, and
70 for the purpose set forth.

GEORGE M. STRONG.

Witnesses:

FRANK G. PARKER,
E. C. SMITH.