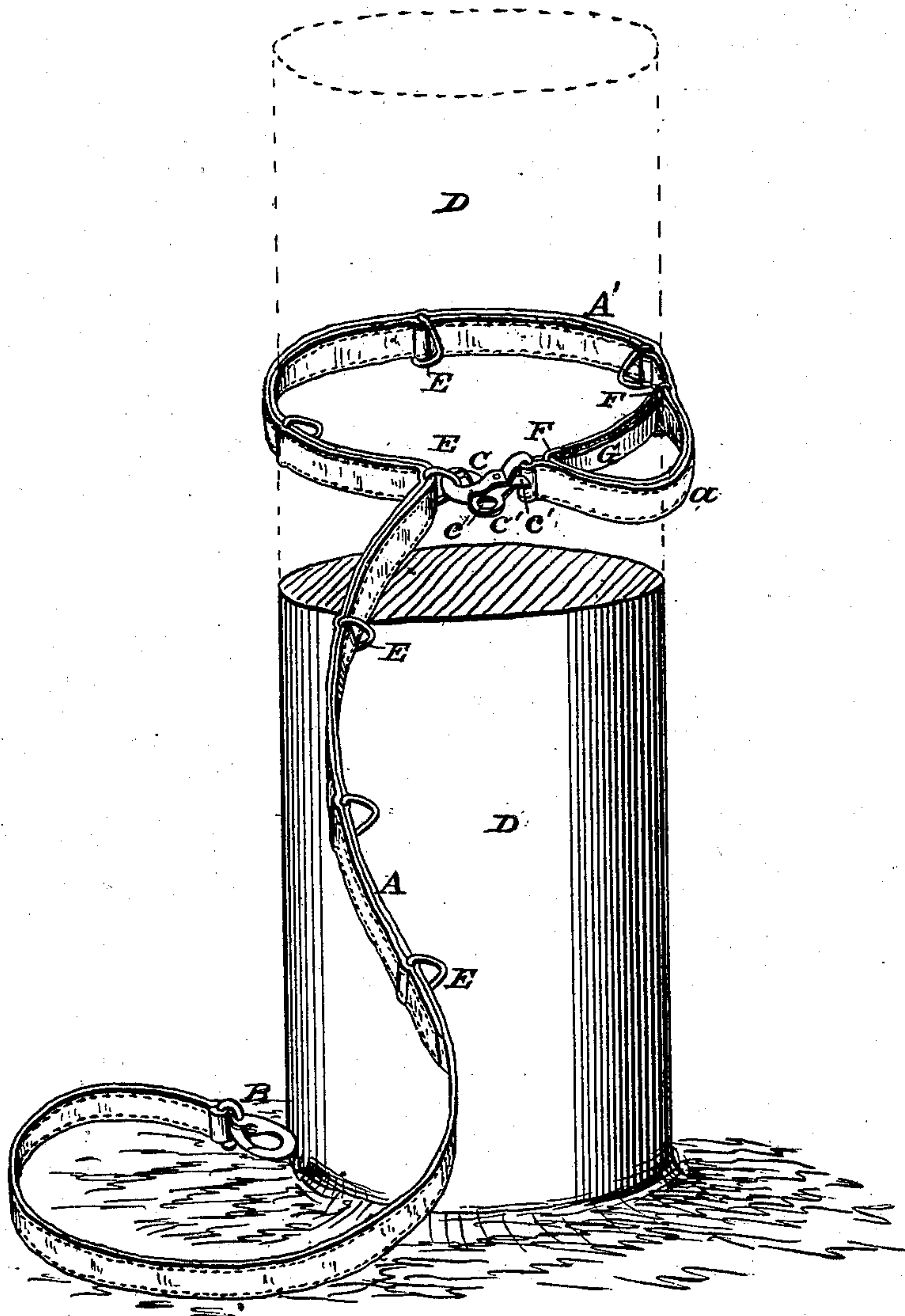


C. A. A. TRENCHENT de ST. AUBIN.
Hitch-Straps.

No. 219,030.

Patented Aug. 26, 1879.



Attest.

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UNITED STATES PATENT OFFICE.

CHARLES A. A. TRENCH-VENT DE ST. AUBIN, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN HITCH-STRAPS.

Specification forming part of Letters Patent No. **219,030**, dated August 26, 1879; application filed April 5, 1879.

To all whom it may concern:

Be it known that I, CHARLES A. A. TRENCH-VENT DE ST. AUBIN, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Hitch-Straps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My improved strap has a snap-hook at that end which is secured to the hitch-post, and a number of metal loops placed at intervals along the strap, into any one of which the snap-hook may be hooked, (according to the size of the post.)

My improvement consists in providing the part of the strap going around the post with a draw-spring of rubber, to take up any slack around the post and prevent the strap slipping down upon it.

My improvement also consists, in combination in the strap, of the draw-spring and series of loops.

The drawing is a perspective view of my improvement.

A is the strap, (of leather.) That end which is connected to the bridle of the horse has, preferably, a snap-hook, B, as a means of connection with the same. At the other end of the strap (that is to say, the part which is lapped around the post D) is a snap-hook, C, for engagement upon either one of the metal loops E, of which there may be more or less, placed at a distance apart upon the strap. The purpose of having a number (two or more) of these loops is to fit the strap for encircling hitch-posts of various dimensions, (the strap being put around the post and the snap being engaged in the appropriate loop E.)

F F are two loops placed a distance apart in the strap, and connected by a spring, G, of rubber or metal.

The part *a* of the leather strap between the loops F is longer than the rubber strap G when it is in its normal or unstretched condition, so that the tendency of the spring is to keep the part *a* in a loose curve. The object of this construction is to cause the strap to contract upon any object, D, around which it may be secured, so as to prevent its slipping downward on the same, while at the same time the part *a* would be in reserve to resist

any strain that might be brought upon the strap by the animal.

I will not now describe the construction of the snap C, as it is intended to make the snap the subject of a separate application.

This strap is intended to enable the horse to be tied to objects of various sizes, and to insure that the strap shall not slip down on these objects. I would instance a smooth telegraph-pole or stone or metal column, and from these to any object of very small diameter. In any case the part, A', surrounding the object would not be liable to slip on the object, as it would be always drawn tightly around it, either by the spring G or by the strain of the horse.

In attaching, the forefinger may be inserted in the eye *c*, and the part A' drawn tightly around the post D, and the snap engaged upon one of the loops E. Whatever slack there may be in the part A' is taken up by the spring G, so that the part A' is held by friction from slipping on the hitch post or column D.

In unhitching, the finger may be again placed in the eye *c*, and the next finger bearing against the shoulder *c'*, the snap is drawn so as to loosen it in the loop, and the latch C' simultaneously retracted, and the snap disengaged from the loop E.

The spring G has another advantage in addition to that stated—viz., it prevents the horse subjecting the strap to a sudden jerk.

The series of loops enable the strap to be taken up as short as may be desired, the strap being run through the bridle-ring, and the snap B brought back and engaged in one of the loops E.

I claim as my invention—

1. A hitch-strap, A, provided with spring G, having loops F F secured thereto, the said loops being rigidly secured to the strap near one end, substantially as and for the purpose set forth.

2. The combination of the hitch-strap A, having a series of loops, E E, loops F F, and spring G, substantially as and for the purpose set forth.

CHARLES A. A. TRENCH-VENT DE ST. AUBIN.

Witnesses:

SAML. KNIGHT,
GEO. H. KNIGHT.