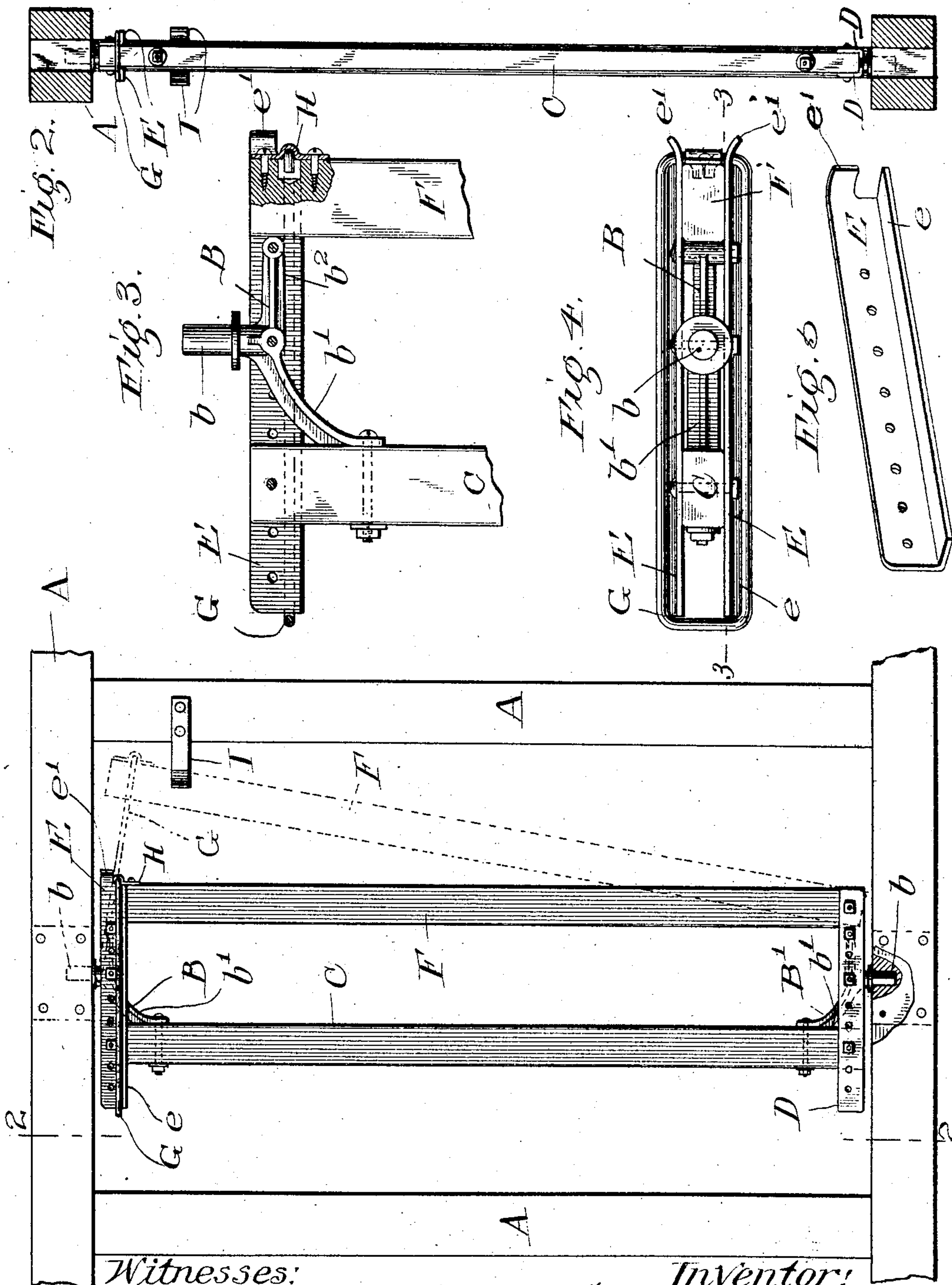


No. 786,350.

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H. L. FERRIS.
STANCHION.

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Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY L. FERRIS, OF HARVARD, ILLINOIS, ASSIGNOR TO HUNT, HELM, FERRIS & COMPANY, OF HARVARD, ILLINOIS, A CORPORATION OF ILLINOIS.

STANCHION.

SPECIFICATION forming part of Letters Patent No. 786,350, dated April 4, 1905.

Application filed December 3, 1904. Serial No. 235,367.

To all whom it may concern:

Be it known that I, HENRY L. FERRIS, a citizen of the United States of America, residing at Harvard, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Stanchions, of which the following is a specification.

My invention relates to certain new and useful improvements in stanchions; and its object is to produce a device of this class which shall have certain advantages which will appear more fully and at large in the course of this specification.

To this end my invention consists in certain novel features which are shown in the accompanying drawings as embodied in my preferred form of construction.

In the aforesaid drawings, Figure 1 is an elevation of my improved device. Fig. 2 is a section in the line 2 2 of Fig. 1. Fig. 3 is an elevation of the upper portion of the device, one of the side plates being removed to show the construction. Fig. 4 is a top plan of the device, and Fig. 5 is a perspective view of one of the upper plates aforesaid.

Referring to the drawings, A is a vertical rectangular frame, preferably of wood.

B B' are two brackets, each of which has a gudgeon *b*, pivoted in the corresponding end of the frame A. Each of the said brackets has a diagonal arm *b'* and a horizontal arm *b*². To the two diagonally disposed arms *b'* is secured a stanchion-bar C. To the lower bracket B' are secured two flat side plates D, provided with a plurality of bolt-holes, so that their position with reference to the bracket can be readily adjusted. To the upper bracket B and the upper end of the bar C are secured two side plates E, Fig. 5, likewise provided with a plurality of bolt-holes, so as to be longitudinally adjustable on the bracket. The side plates E, it will be seen, are made of angle-iron having a horizontal flange *e*, and each has at one end a laterally-flaring tang *e'*. A movable stanchion-bar F is pivoted between the ends of the lower side plates D and is adapted to swing between the ends of the upper side plates E and be guided into place by the laterally-flaring tangs *e'*. To the upper end of

this bar F is pivotally secured a rectangular loop G, of heavy wire or light steel rod. This loop is held in place by a sheet-metal bracket H, which covers its ends, and the said ends are carried into a depression near the upper end of the bar F. By this means a firm and substantial pivot is produced.

When the bar F is swung as far as possible toward the bar C, the loop G overhangs the ends of the side plates E and prevents the retraction of the bar F. The loop G can, however, be swung up, when it will run along the top of the side plates E, permitting the bar F to swing laterally about its pivot until the end of the loop engages the gudgeon *b* on the bracket B. When this point is reached, the bar F swings between two flaring straps I on the frame A, thereby preventing the rotation of the stanchion.

It is to be observed that when the stanchion is opened its rotation is prevented, and consequently there is no danger of an animal running into the same when in an improper position. When the animal is in place, however, the side bar can be pushed in, when the loop will fall of its own weight and lock the stanchion in a closed position. The flanges *e* on the side plates E prevent the animal from reaching the loop and accidentally displacing it, so as to open the stanchion.

When it is desired to adjust the stanchion for animals of different sizes, the bolts which secure the side plates to the brackets are removed, and the side plates, together with the pivoted bar, are moved laterally.

I realize that considerable variation is possible in the details of this construction without departing from the spirit of the invention, and I therefore do not intend to limit myself to the specific form herein shown and described.

I claim as new and desire to secure by Letters Patent—

1. In a device of the class described, the combination with two brackets having pivoting gudgeons, of side plates secured to the brackets, a bar rigidly secured to said brackets and side plates, a second bar pivoted between the side plates secured to one bracket

and arranged to swing between the side plates secured to the opposite bracket and a loop pivoted to the free end of said bar and swinging over the opposite end of the side plates
5 on the adjacent bracket.

2. In a device of the class described, the combination with two brackets having pivoting gudgeons, of side plates adjustably secured to the brackets, a bar rigidly secured
10 to said brackets and side plates, a second bar pivoted between the side plates secured to one bracket and arranged to swing between the side plates secured to the opposite bracket and a loop pivoted to the free end of said bar
15 and swinging over the opposite end of the side plates on the adjacent bracket.

3. In a device of the class described, the combination with two brackets having pivot-

ing gudgeons, of side plates adjustably secured to the brackets, a bar rigidly secured to
20 said brackets and side plates, a second bar pivoted between the side plates secured to one bracket and arranged to swing between the side plates secured to the opposite bracket, a
25 loop pivoted to the free end of said bar and swinging over the opposite end of the side plates on the adjacent bracket, and a flange on said side plates arranged to engage the loop.

In witness whereof I have signed the above application for Letters Patent, at Harvard, in
30 the county of McHenry and State of Illinois, this 26th day of November, A. D. 1904.

HENRY L. FERRIS.

Witnesses:

EDWIN G. RACE,
L. EUGENE NORTON.