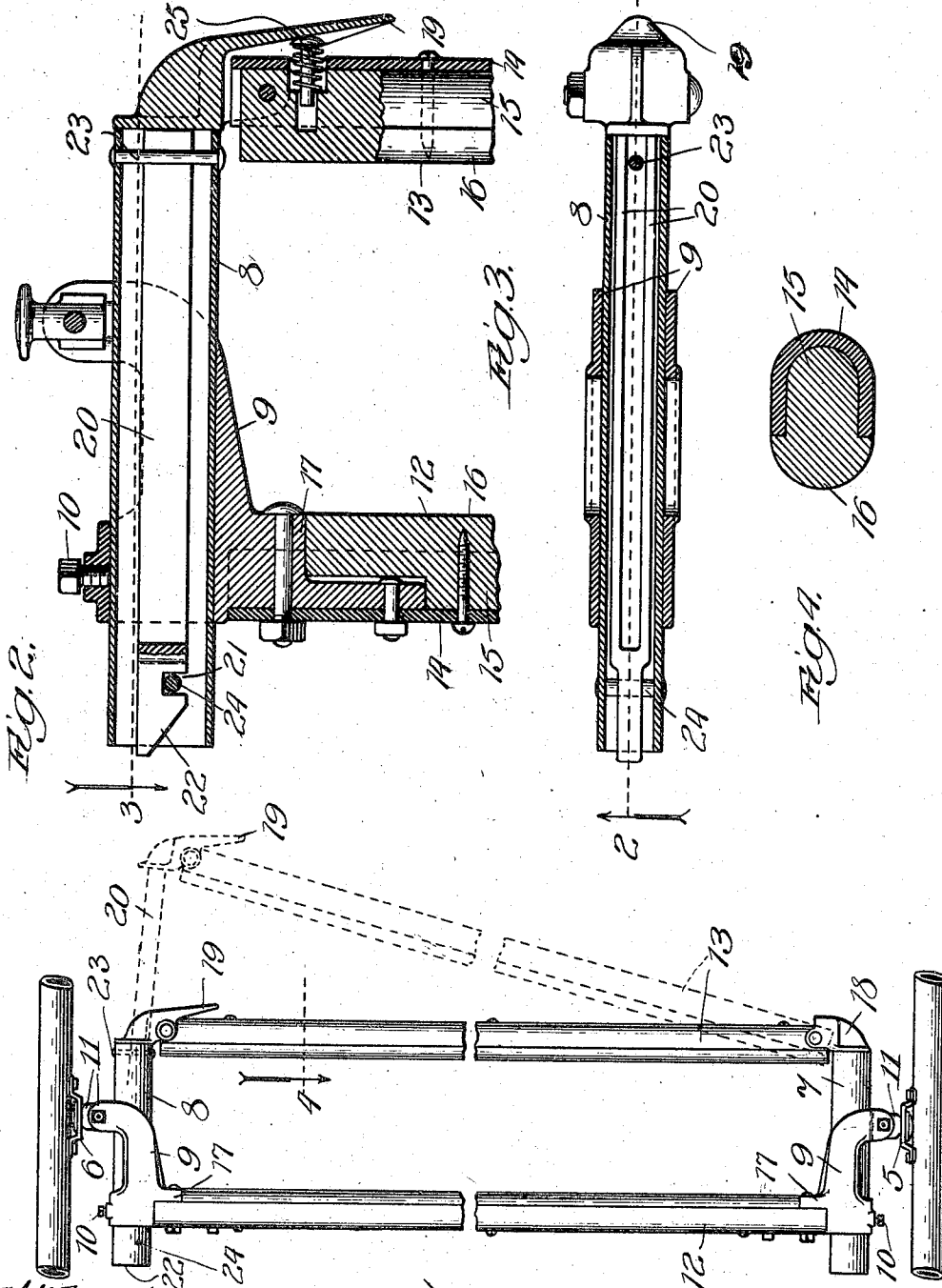


H. L. & H. J. FERRIS.
STANCHION.
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1,066,195.

Patented July 1, 1913.



Witnesses:
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Fig. 1.

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UNITED STATES PATENT OFFICE.

HENRY L. FERRIS AND HOWARD J. FERRIS, OF HARVARD, ILLINOIS, ASSIGNORS TO
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ILLINOIS.

STANCHION.

1,066,195.

Specification of Letters Patent.

Patented July 1, 1913.

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To all whom it may concern:

Be it known that we, HENRY L. FERRIS and HOWARD J. FERRIS, citizens of the United States, residing at Harvard, in the county of McHenry and State of Illinois, have invented a new and useful Improvement in Stanchions, of which the following is a specification.

Our invention relates to certain new and useful improvements in stanchions and is fully described and explained in the specification and shown in the accompanying drawings, in which—

Figure 1 is a front view of the device; Fig. 2 is a central vertical section through the same, on the line 2 of Fig. 3; Fig. 3 is a horizontal section on the line 3 of Fig. 2, and Fig. 4 is a horizontal section on the line 4 of Fig. 1.

Referring to the drawings, 5 and 6 are bottom and top yokes in which the stanchion is supported, although the common chain supports might be used instead.

7 and 8 are the bottom and top members of the stanchion, these members being tubular and oval in cross section.

9 are brackets embracing the members 7 and 8 and adjustable thereon by means of set-screws 10. The brackets 9 have projections 11, swiveled in the yokes 5 and 6.

The stationary and hinged bars of the stanchion are represented generally by 12 and 13 respectively. Each consists of a composite bar composed of an inwardly facing channel 14 of metal (Fig. 4) and an inset 15 of wood having an enlarged head 16 projecting from the channel, shouldered to cover the edges thereof, and rounded to present no sharp edge to the neck of the animal.

The stationary side-bar is held between the brackets 9 through the medium of extensions 17 of said brackets fastened to said bars and lying in the channel 14, and between the channel and the wood, which is cut away for the purpose. The hinged side is supported at the bottom by a hinge member 18 secured in the end of the bottom member 7. Pivoted to the top of the hinged side is a latch having a handle 19 and a vertically slotted extension 20 running

through the top member 8, and having near its end a notch 21 and at its end a beveled tip 22. The slot in the extension runs over a pin 23 which limits the movement of the hinged side by engagement with the end of the slot. The notch 21 engages a pin 24 to hold the stanchion closed. The extension 20 is normally held down by a spring 25 under the handle 19 and by pressing the handle toward the hinged side-bar, the latch can be released to open the stanchion.

This stanchion embodies several convenient and desirable features. Its width can be adjusted in an obvious manner without interfering with the latch operation. The latch is wholly inclosed in the upper member so that it cannot be released by the horn of an animal, or otherwise than by manipulating the handle. It is guided and its movement limited by the pin 23 only, so that its free movement will not be affected by any distortion or bending of the top member and the side-bars are strong and durable, and the wooden heads on the insets are much more comfortable for the cattle than the usual metal. The wood inset, filling, as it does, the channel in which it lies adds greatly to the strength of the side member so that a relatively light channel may be used. This arrangement thus saves something in the expense of the metal work of the device.

We realize that considerable variation is possible in the details of this construction without departing from the spirit of our invention; therefore we do not intend to limit ourselves to the specific form herein shown and described.

What we claim as new and desire to secure by Letters Patent is—

1. In a stanchion, side members each comprising an inwardly facing channel and a wood inset substantially filling the channel and projecting inwardly therefrom and having a rounded surface adapted to contact with the neck of the animal held by the stanchion.

2. In a stanchion, side members each comprising an inwardly facing channel and a wood inset substantially filling the channel

and having a rounded head projecting inwardly therefrom and overlapping the edges thereof.

3. In a stanchion, a tubular top member,
5 a hinged member, a latch provided with a
slotted portion intermediate its ends pivoted
to the hinged member and extending into
the top member, and a vertical pin in the

top member running through the slot in the
latch, for the purpose set forth.

HENRY L. FERRIS.
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In presence of—

W. J. HEATLEY,
R. A. HEMENWAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
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