C. F. MALMROSE.

HITCHING POST.

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901,311.

Patented Oct. 13, 1908.

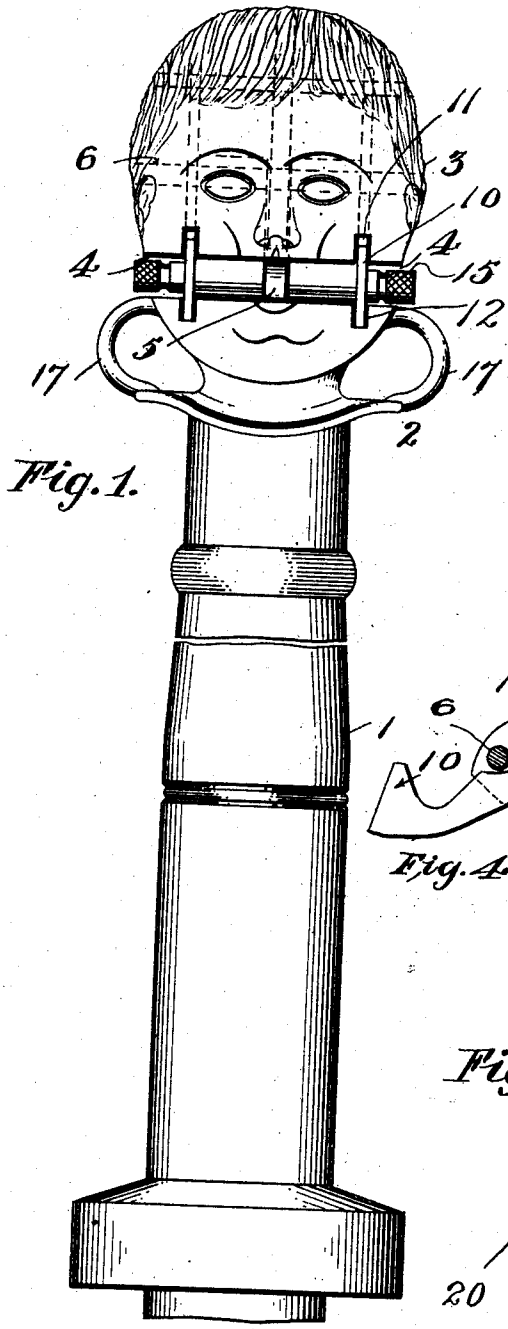

Fig. 1.

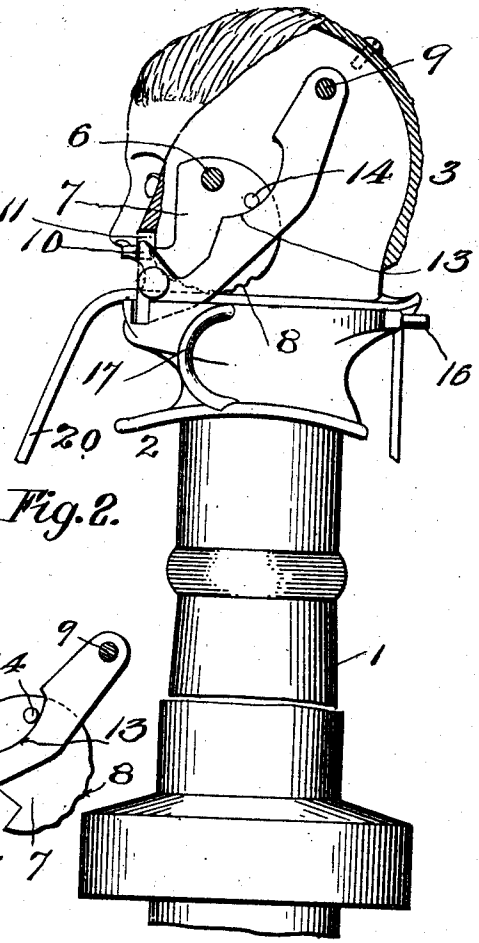

Fig. 2.

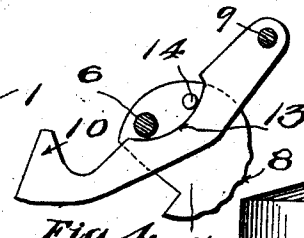

Fig. 4.

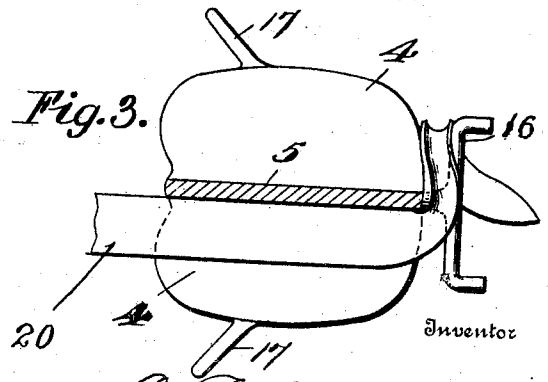

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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HITCHING-POST.

No. 901,311. Specification of Letters Patent. Patented Oct. 13, 1908.

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To all whom it may concern:

Be it known that I, CHARLES F. MALMROSE, a citizen of the United States, and resident of Rock Island, Illinois, have invented a new and useful Hitching-Post, of which the following is a specification.

The invention relates to hitching posts and, among its principal objects is to provide a clamp in which a hitching strap having a free end, or a looped strap such as a rein, may be inserted and which will hold the strap firmly without the possibility of displacement by any efforts the animal may make to free itself.

The advantages and characteristics of the invention are hereinafter more fully set forth in connection with the detailed description of the accompanying drawing, in which

Figure 1 is a front elevation of a post embodying the invention; Fig. 2 a side view partly in section; Fig. 3 a detailed transverse section; and Fig. 4 is a fragmentary view showing one of the guards and cams in elevated position.

Reference numeral 1 designates the post, on the top of which is secured a metal fitting 2 in which the invention is incorporated. This fitting may be of widely differing character but the invention lends itself conveniently to forming the metal post-top into the representation of a human head 3 as shown in the drawing.

The head is cleft from each side toward the center forming horizontal slots 4, the upper portion of the head being supported by a web 5, which divides the head into two equal parts. The head carries a clamping device on each side of web 5 and these devices may be duplicates of each other. A double clamping structure is shown for convenience and the invention will generally be so constructed, but, of course, a single clamp may be used when desired. A pin 6 passing through the upper part of the head carries two cams 7 pivotally mounted on it. The cams have roughened or corrugated surfaces 8 and are so arranged that these surfaces are close to the bottoms of slots 4 when the cams are in normal position and so that if the cams are moved toward the front of the head the roughened surfaces will approach closer to the bottom of the slots. Another pin 9 passes through the head closer to the top than pin 6 and two guards 10 are pivoted to pin 9. The forward lower ends of the guards are arranged to enter vertical slots 11, 12, in the upper and lower portions of the head respectively. When the guards are in normal position as shown in Figs. 1 and 2 in solid lines they form a side closure for slots 4. The guards have cam-like surfaces 13 underlying pins 14 on cams 7, the cam surfaces 13 serving when the lower ends of the guards are raised to raise pin 14 and thus turn cams 7 on their pin 6 until the parts assume the position shown in dotted lines in Fig. 2 with the cams 7 clear of the bottom of slots 4. To conveniently handle the guards each is provided with a stud or knob 15.

To hitch an animal to the post one of the guards 10 is raised by means of its knob and any convenient strap such as a hitching strap or rein is inserted in the slot under the cam. The guard is then released and falls to normal position and the cam also falls upon the strap. Any force tending to move the strap toward the front of the head now serves to wedge the cam firmly upon it and prevent any substantial movement of the strap in that direction. The guard, whose front end rests in slots 11, 12, forms a side closure for the slot and prevents the strap being pulled out sidewise, which could occur in absence of the guard. It is thus apparent that it is practically impossible for an animal hitched to the post to free himself.

If it is desired to hitch a horse to the post by using a continuous strap such as a bridle rein, both ends of which are connected to the animal's head, it is desirable to provide some means for preventing the animal from freeing himself by jerking the end of the rein which passes out to the rear of the guard. By reason of the diagonal disposition of the rear edge of the guard it is possible for a strap to be pulled out from back to front. To prevent this, a T-shaped clip 16 is secured at the back of the post. The portion of the rein passing out at the back of the slot is jammed in one side of this clip as shown in Figs. 2 and 3. It is evidently impossible for the animal by any movement to pull free from the clamp the end of the rein secured by the clip.

Rings 17 may be provided on the head for hitching by means of a clip or in any other ordinary manner.

Various changes in detail and arrangement of the parts described may be made within the spirit of my invention. I have

described only one form which is the best I have at this time devised.

I claim:

1. In a hitching device the combination of a body having a slot, a cam pivoted in the body and adapted to clamp a strap against one side of the slot, and a pivoted guard serving to raise the cam and to form a side closure for the slot when in normal position.

2. In a hitching device the combination of a head slotted from each side toward the center, a cam pivoted in each side of the head and adapted to engage a strap between it and the lower surface of the corresponding slot and resisting movement of the strap toward the front of the head, a guard for each cam pivoted in the head, having a member engaging the cam and serving to raise it when the guard is raised, the front end of the guard engaging vertical slots in the head, and knobs on the guards.

3. In a hitching device the combination of a slotted head, a clamping cam pivoted therein and a clip at the back of the head adapted to hold a strap passing through the slot.

4. In a hitching device, the combination of a slotted head, a clamping cam pivoted therein, a movable guard arranged to raise the cam and to form a side closure for the slot when in normal position, and a clip at the back of the head adapted to hold a strap passing through the slot.

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Witnesses:

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