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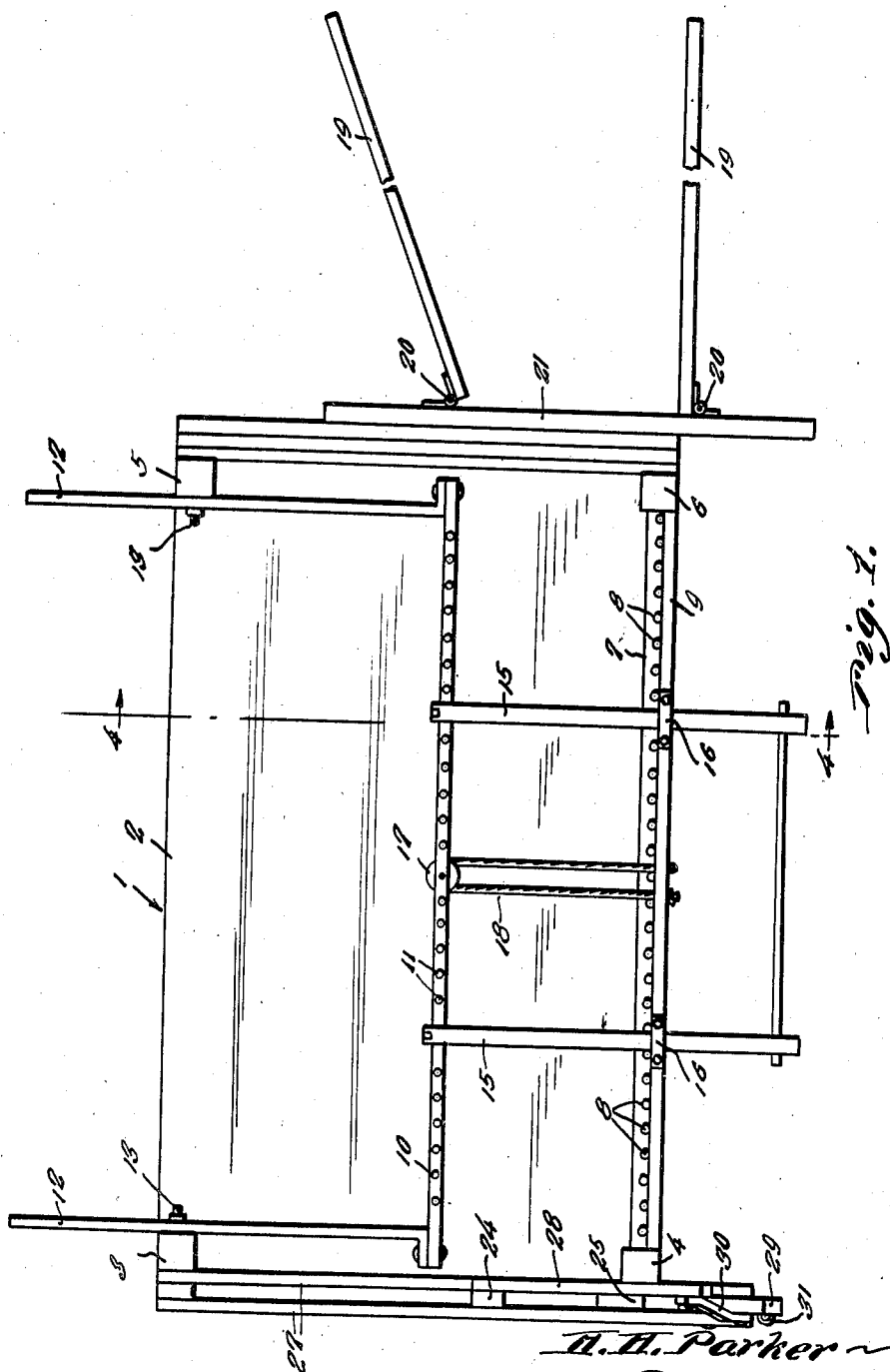
H. H. PARKER

2,229,588

STOCK RESTRAINING DEVICE

Filed Oct. 25, 1938

3 Sheets-Sheet 1



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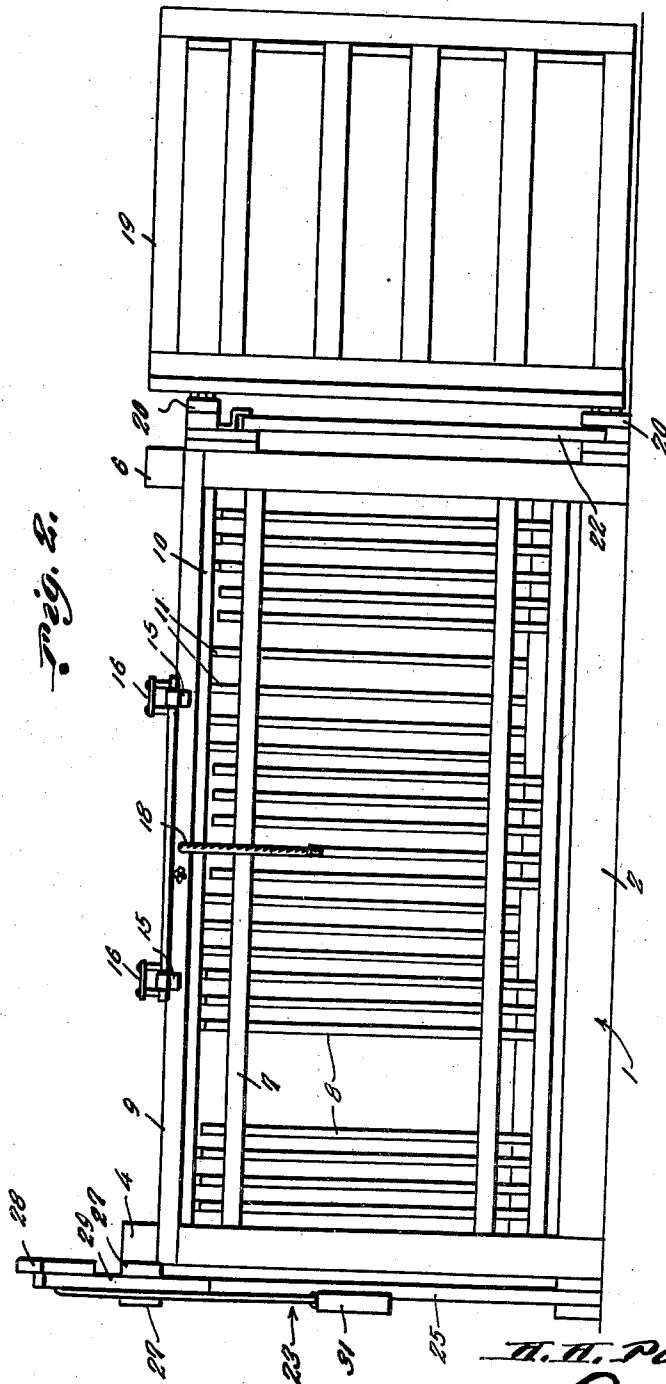
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3 Sheets-Sheet 2



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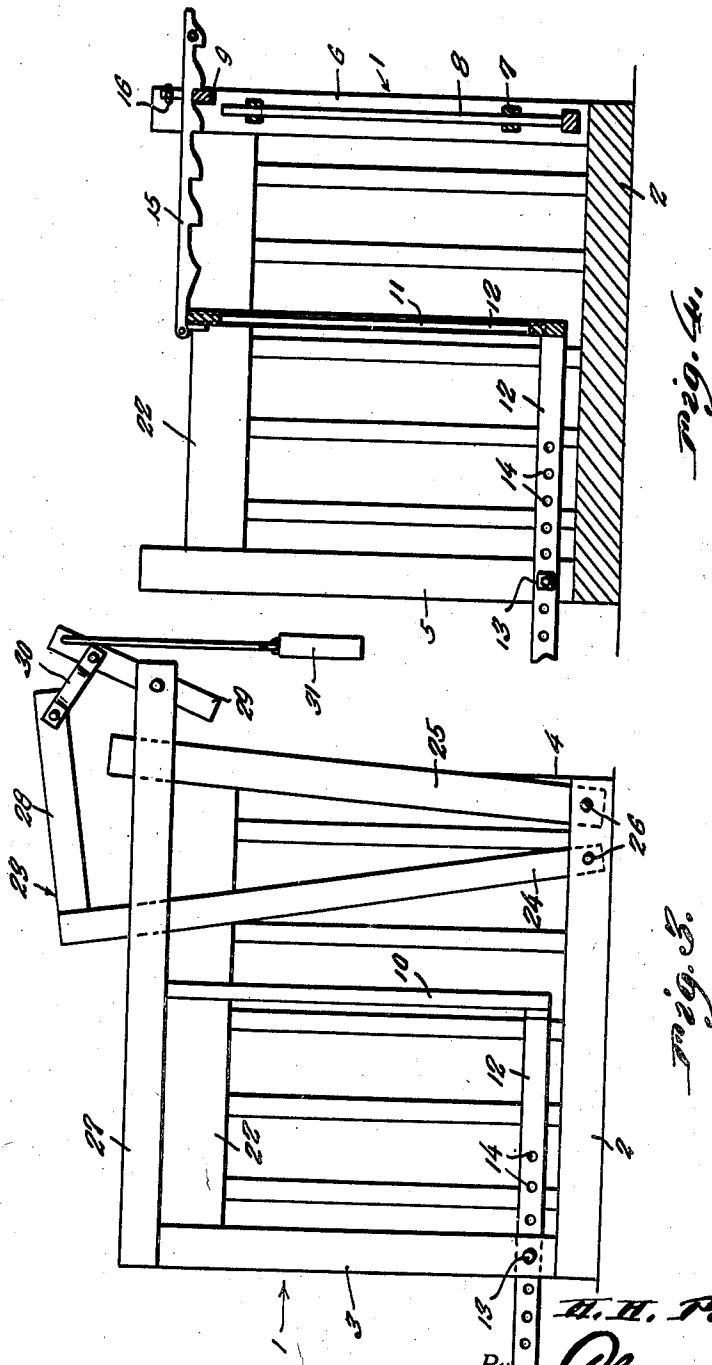
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UNITED STATES PATENT OFFICE

2,229,588

STOCK RESTRAINING DEVICE

Hooker H. Parker, Arcadia, Fla.

Application October 25, 1938, Serial No. 236,959

1 Claim. (Cl. 119—98)

The present invention relates to new and useful improvements in stock restraining devices and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character embodying novel means for securely holding an animal, such as a cow or steer, to facilitate the performance of branding and other operations without danger of injury being sustained either by the animal or the operator.

Other objects of the invention are to provide a stock restraining device of the aforementioned character which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact and which may be produced at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a top plan view of an embodiment of the invention.

Figure 2 is a view in side elevation thereof.

Figure 3 is a front elevational view.

Figure 4 is a cross sectional view, taken substantially on the line 4—4 of Fig. 1.

Figure 5 is a perspective view of the means for adjusting the upper portion of the movable rack.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a pen of suitable material and dimensions which is designated generally by the reference numeral 1. The pen 1 includes a substantially rectangular base or floor 2 from the corner portions of which posts 3, 4, 5 and 6 rise. Mounted between the corner posts 4 and 6 on one of the longitudinal sides of the pen 1 is a stationary rack 7 comprising removable vertical rods 8. Also extending between the posts 4 and 6, above the stationary rack 7, is a metallic bar 9 the purpose of which will be presently set forth.

Mounted for swinging movement on the posts 3 and 5 above the floor 2 is an adjustable rack 10 comprising removable vertical rods 11. The rack 10 is adjustably mounted for swinging movement on the posts 3 and 5 through the medium of laterally projecting metallic arms 12 fixed to the lower portion of said rack at the ends thereof. As best seen in Figs. 3 and 4 of the drawings, bolts 13 pivotally secure the arms 12 to the posts 3 and 5. The arms 12 have

formed therein spaced openings 14 in which the pivot bolts 13 are selectively engageable for adjusting the rack 10 laterally above the floor 2.

Hingedly mounted on the upper portion of the rack 10 is a pair of toothed bars 15 which extend transversely across the bar 9 and rest thereon. The toothed bars 15 are operable in suitable guides 16 which are provided therefor on the bar 9. It may be well to here state that the toothed bars 15 constitute means for releasably anchoring the rack 10 in adjusted position against swinging movement away from the stationary rack 7. Journalled in the upper portion of the rack 10 is a pulley 17. As best seen in Fig. 5 of the drawings, the pulley 17 is operable in an opening which is provided therefor in the upper rail or bar of the rack 10. Trained around the pulley 17 is a rope, cable or the like 18 having one end anchored to the bar 9. The other end portion of the rope 18 passes slidably through an opening which is provided therefor in the bar 9 and hangs loosely therefrom. The rope 18 is for the purpose of pulling or swinging the rack 10 toward the stationary rack 7.

Hingedly mounted for swinging adjustment in a horizontal plane on the rear or entrance end of the pen 1 is a pair of guides 19. The hinges 20 of the guides 19 are secured on bars 21 which are mounted transversely on the upper and lower portions of the rear end of the pen 1. The hinges 20 may be adjusted to any desired position on the bar 21. Mounted for transverse sliding movement on the rear end of the pen 1, between said pen and the guides 19, is a gate 22. Of course, the gate 22 controls the entrance to the pen 1 at the rear end thereof.

The exit from the pen is at the front thereof and said exit is controlled by a stanchion which is designated generally by the reference numeral 23. The stanchion 23 comprises swinging members 24 and 25 having their lower end portions pivotally secured to the forward end of the pen structure 1, as at 26. The bars 24 and 25 swing transversely in a vertical plane and the free upper end portions thereof are operable between spaced guides 27 which are mounted transversely on the upper end portions of the posts 3 and 4. The bar 24 is longer than the bar 25 and projecting at right angles from the upper end portion of said bar 24 is an arm 28. Pivotally mounted between the guides 27 at one end is a lever 29 to which the arm 28 is connected by a link 30. A weight 31 is suspended from the same end portion of the lever 29 to which the link 30 is connected.

It is thought that the operation of the device will be readily apparent from a consideration of the foregoing. With the gate 22 open, the animal is led between the adjustable guides 19. From the guides 19 the animal is driven into the pen 1, after which the gate 22 is closed. The rack 10 has preferably been previously adjusted to the desired position on the posts 3 and 5. With the animal in the pen 1, the free end of the rope 18 is pulled in a manner to swing the rack 10 toward the stationary rack 7, thus securely holding the animal therebetween. The animal is further held against moving to any considerable extent through the medium of the stanchion 23 which, of course, receives the head of said animal. With the animal thus held, the desired operation, such as branding, may be expeditiously performed. The removable rods 8 and 11 of the racks 7 and 10, respectively, permit access to be readily had to different parts of the animal's body. When the branding or other operation has been completed the stanchion 23 is opened to permit the animal to leave the pen at the front thereof. The weight 31 normally urges the bars 24 and 25 of the stanchion 23 toward closed position. When the lever 29 swings in a clockwise direction, as viewed in Fig. 3 of the drawings, the lower end of said lever engages the bar 25 for swinging same in one direction while the bar 24 is swung in the opposite direction through the medium of the link 30 and the arm 28. Further, the construction and arrangement is such that the lever 29 is adapted to lock the stanchion 23 in closed position.

It is believed that the many advantages of a stock restraining device constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the apparatus is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

In a stock restraining device, a base, posts rising from the corners of said base, a stationary wall extending between two of the posts and extending across a side edge of the base, a top bar extending between the said pair of posts above the stationary wall, a movable wall, arms rigidly connected with the lower corners of the movable wall and having a plurality of holes therein, said arms extending at right angles to the movable wall and engaging the adjacent faces of the other pair of posts, bolts carried by said adjacent faces for selectively engaging any one of the holes in the arms, said bolts pivotally connecting the arms with said other pair of posts, a latch bar hinged to the upper edge of the movable wall, a guide member on the top bar and through which the latch bar passes, said latch bar having notches therein for engaging a part of the top bar, and a flexible member connected with the upper edge of the movable wall and passing through a hole in said top bar for moving the movable wall toward the stationary wall.

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