

(No Model.)

F. W. BALLARD.

CATTLE STANCHION.

No. 368,180.

Patented Aug. 16, 1887.

Fig. 2.

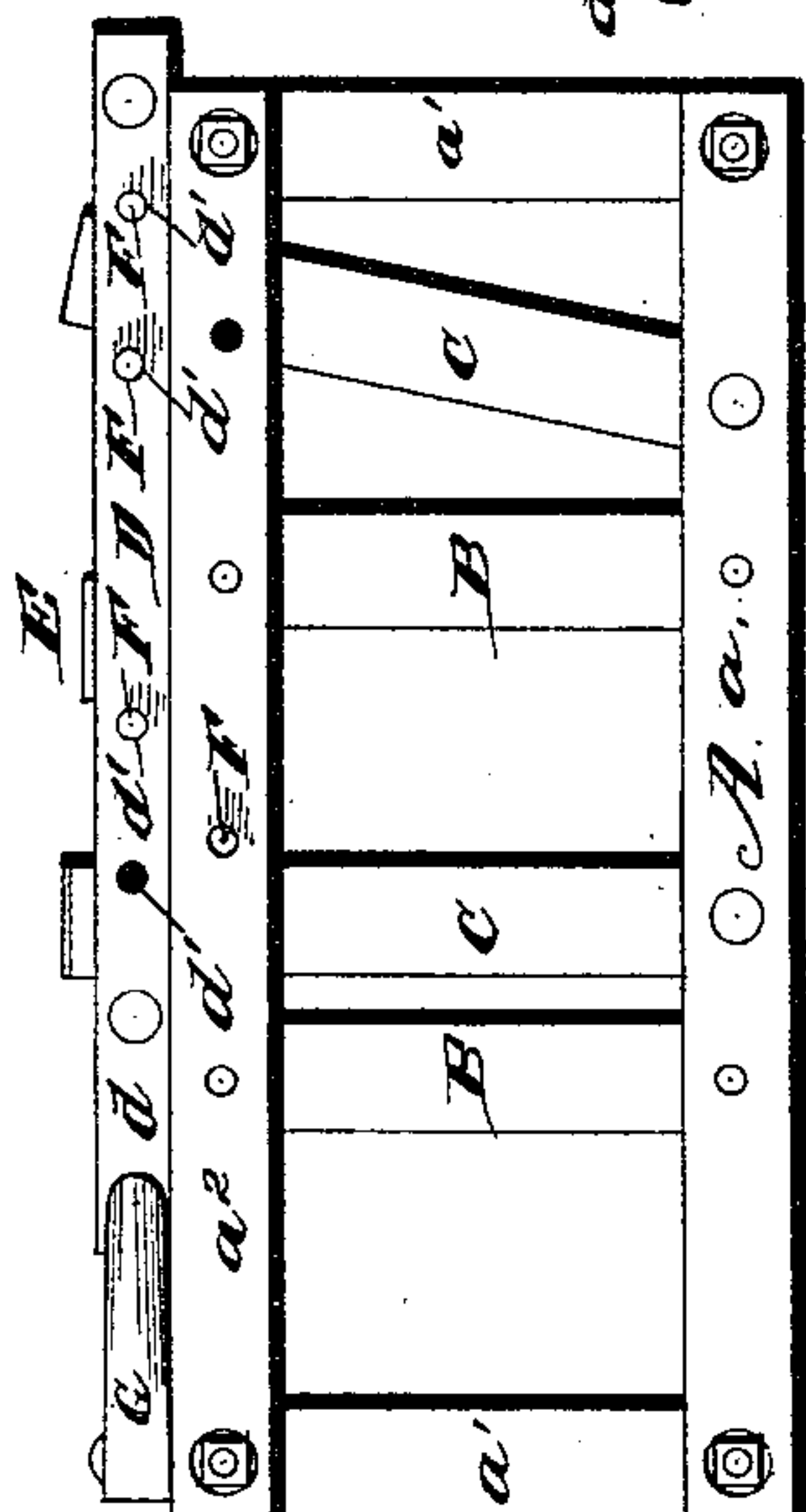
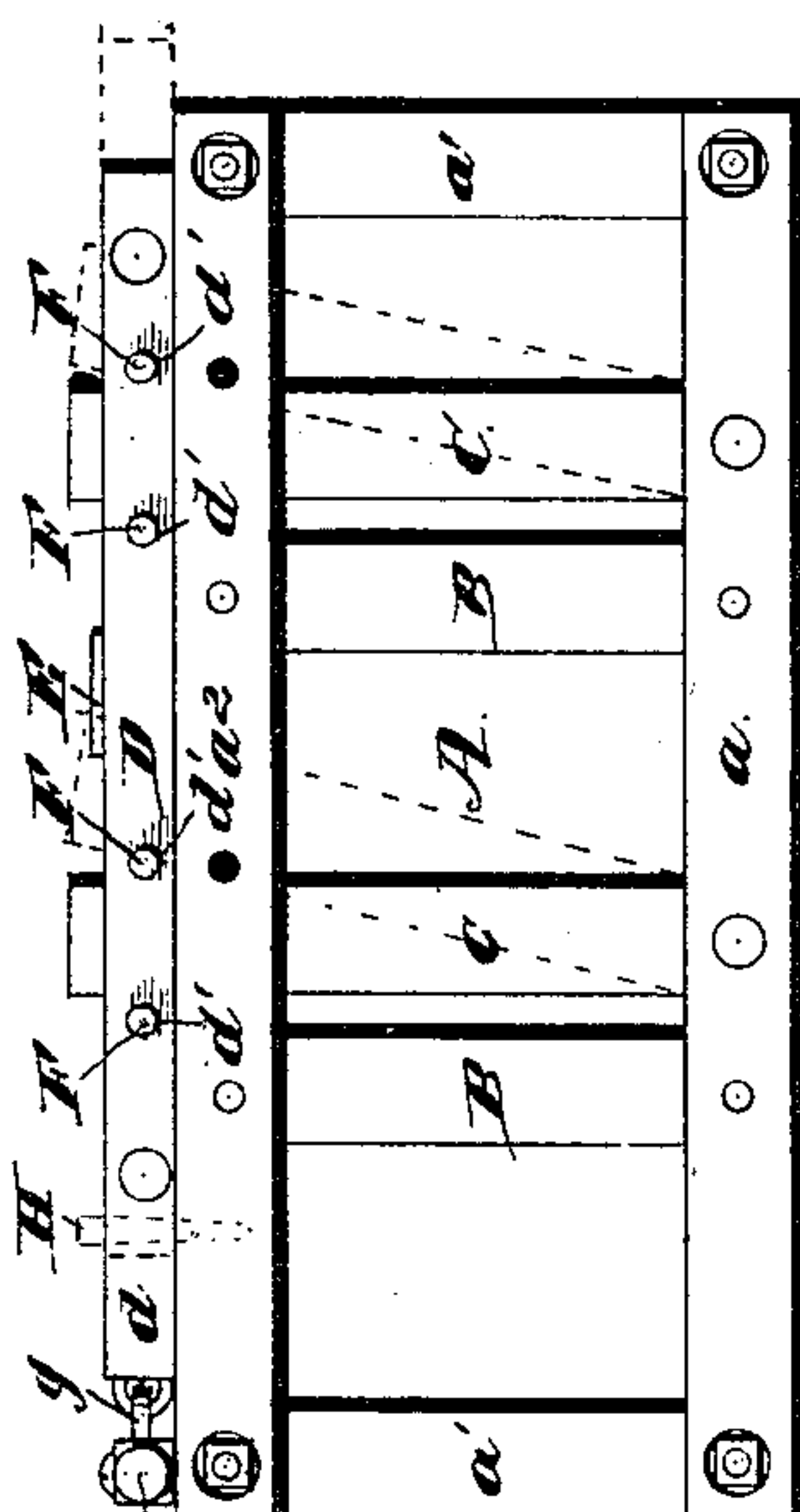


Fig. 1.



WITNESSES

Geo. Thayer
R. W. Bishop.

Fig. 5.

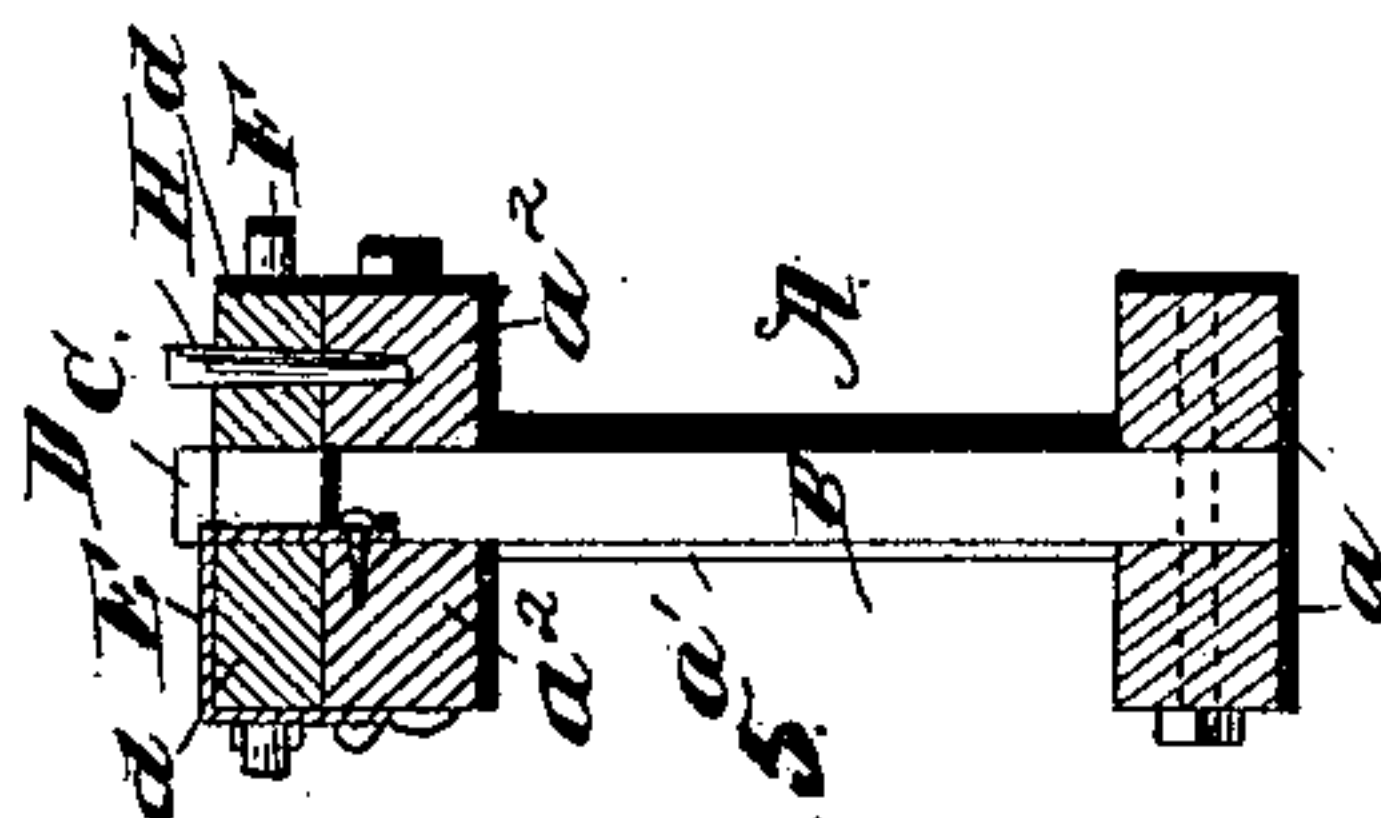


Fig. 4.

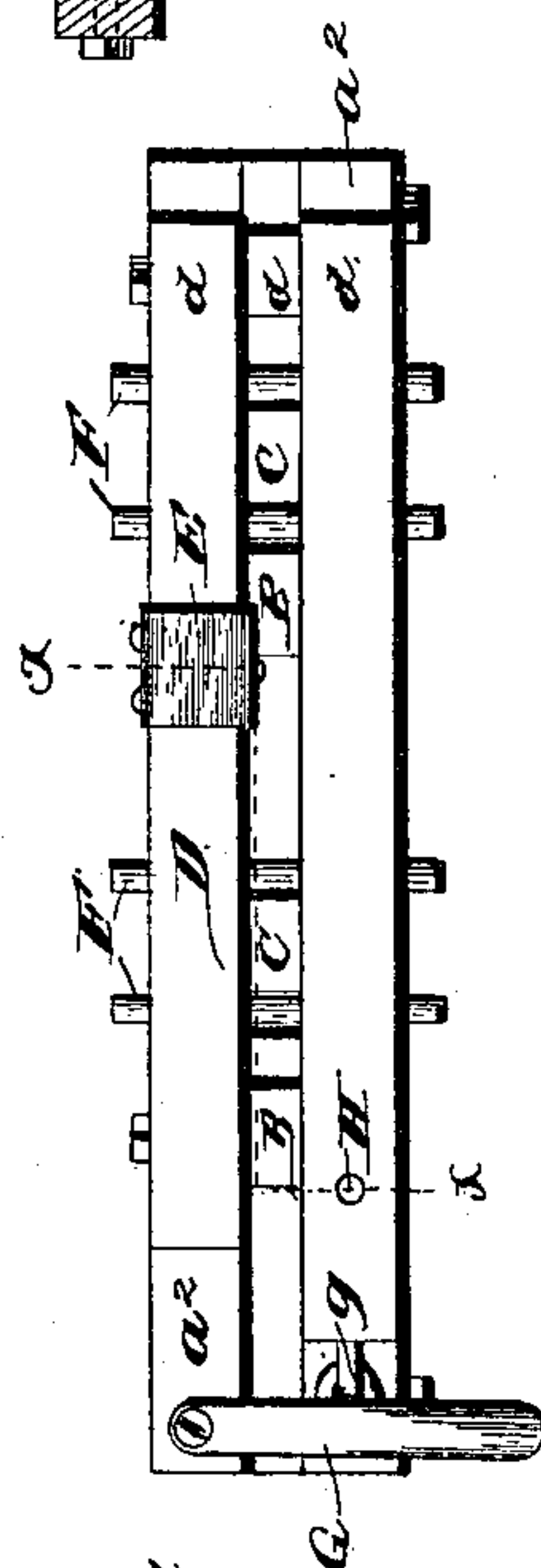
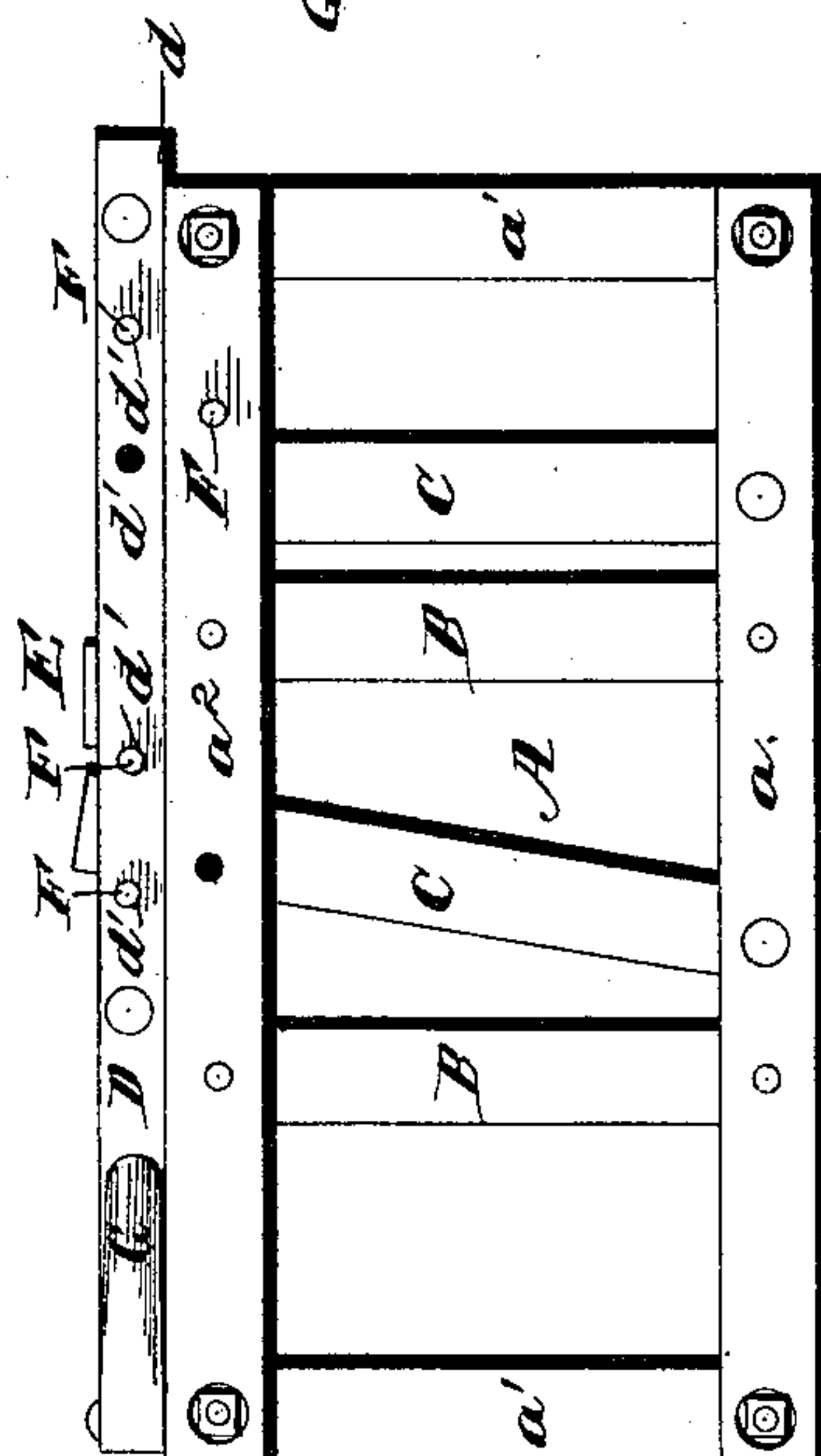


Fig. 3.



INVENTOR

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UNITED STATES PATENT OFFICE.

FRANK WALLACE BALLARD, OF RICHBURG, NEW YORK.

CATTLE-STANCHION.

SPECIFICATION forming part of Letters Patent No. 368,180, dated August 16, 1887.

Application filed May 17, 1887. Serial No. 238,534. (No model.)

To all whom it may concern:

Be it known that I, FRANK WALLACE BALLARD, a citizen of the United States, residing at Richburg, in the county of Allegany and State of New York, have invented new and useful Improvements in Cattle-Stanchions, of which the following is a specification.

My invention relates to improvements in cattle-stanchions; and it consists in the novel mechanism employed for operating the same, as will be hereinafter described and claimed.

The object of my invention is to provide a cheap, simple, and efficient device whereby the entire series of stanchions may be closed and opened simultaneously, or part of the series closed and the others left open; and I attain this object by the construction of parts illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation showing the entire series of stanchions in their closed position in full lines and open in dotted lines. Figs. 2 and 3 are similar views showing different modes of operating the device. Fig. 4 is a plan view, and Fig. 5 is a detail sectional view on line *x x* of Fig. 4.

Referring by letter to the drawings, A designates the main or supporting frame, composed of the base-bars *a*, the end bars, *a'*, and the top cross-bars, *a''*. The base-bars *a* and top cross-bars, *a''*, are each arranged parallel with a central open space, and the stanchion-bars B C are secured in said open spaces. The stanchion-bars B are fixed rigidly in position, and the bars C are pivoted at their lower ends between the base-bars, and their upper ends extend slightly above the top cross-bars, all of which is the usual construction and will be readily understood.

D designates a sliding frame resting on the upper cross-bars, *a''*, and held thereto by a strap or guide-stirrup, E, secured to one of the cross-bars and passing over and around one of the longitudinal bars *d* composing the said sliding frame. These parallel longitudinal bars *d* are provided with aligned transverse openings *d'*, through which pins F are inserted on opposite sides of the upper ends of the pivoted stanchion-bar C.

G designates an operating-lever pivoted at one end on the upper side of one of the cross-bars *a''*, and connected by the links *g* to the end of one of the sliding bars *d* of the frame D. In operation, as this lever is turned in

one or the other direction the frame D will be operated accordingly, and one or the other of the pins F will act upon the pivoted stanchion-bar, as will be readily understood.

H is a pin passed vertically downward through one of the bars *d* of the sliding frame D into one of the cross-bars *a''*, to lock the frame against movement.

When it is desired to open all the stanchions but one, the pin F of such stanchion nearer the operating end of the sliding frame is removed and inserted through a transverse opening in the cross-bars *a''*, so as to pass across the pivoted stanchion-bar on the opposite side, and thereby prevent movement of the same, as clearly shown in Fig. 2.

Supposing all the stanchions to be open, if it is desired to close all but one, the pin F on the rear side of that one is entirely removed and the sliding frame operated to close the others, as will be readily understood.

It will be seen that any one of the stanchions may be opened or closed without disturbing the others by simply removing the proper pin and swinging the pivoted stanchion-bar by hand.

From the foregoing it will be seen that I have provided a device which is efficient in operation and which is extremely simple and cheap in construction.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the main frame, the sliding frame resting thereon, the stirrup secured to the main frame and passing around the sliding frame, and mechanism for operating said sliding frame, substantially as described.

2. The combination of the main frame, the sliding frame resting on the main frame, the stirrup secured to the main frame and passing around the sliding frame, the stanchion-bars pivoted in the main frame and operated by the sliding frame, and the lever pivoted to the main frame and connected to the sliding frame, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

FRANK WALLACE BALLARD.

Witnesses:

H. W. HATCH,
B. D. ROWLEY.