

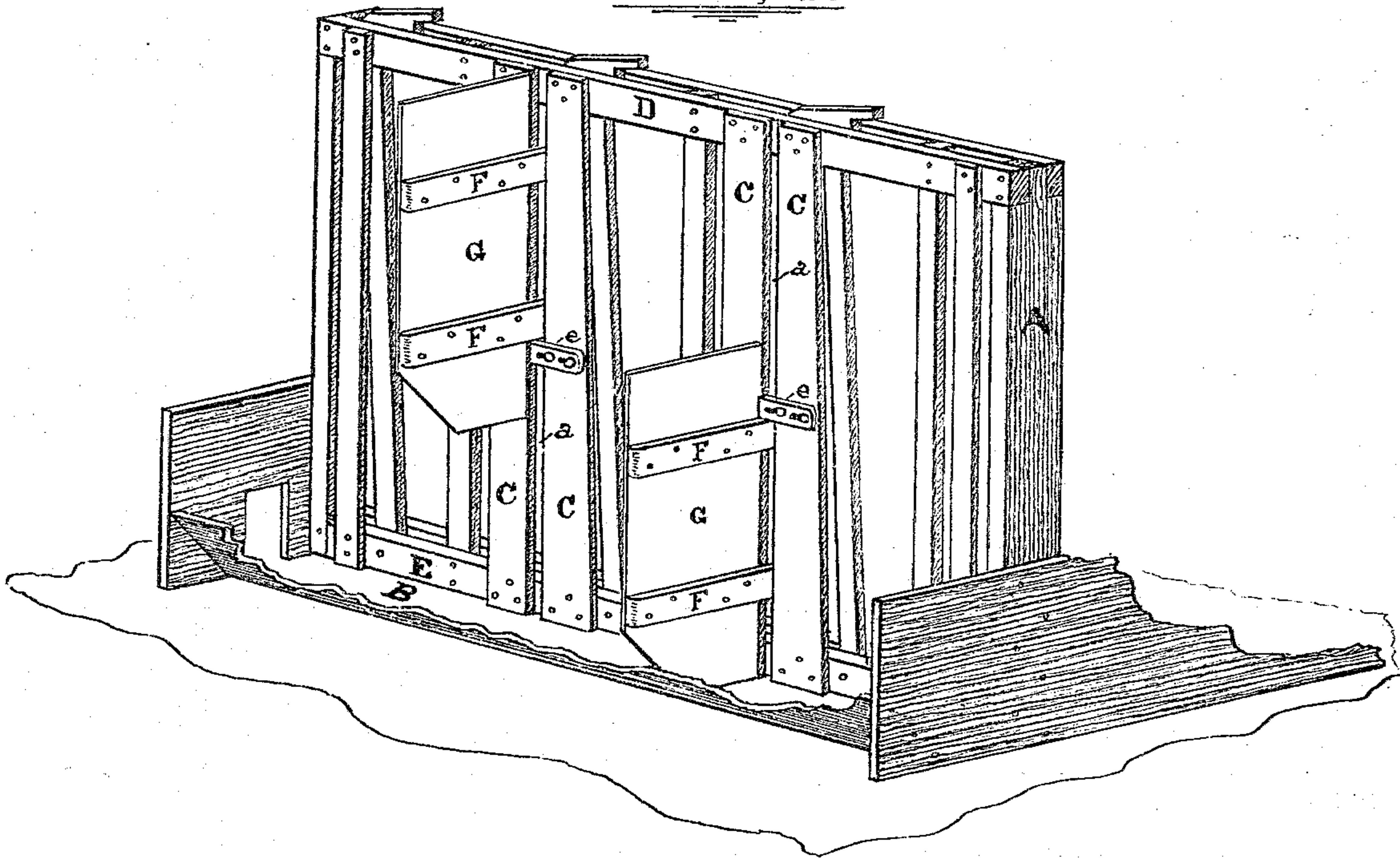
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Improvement in Feeding Devices for Cattle Stalls.

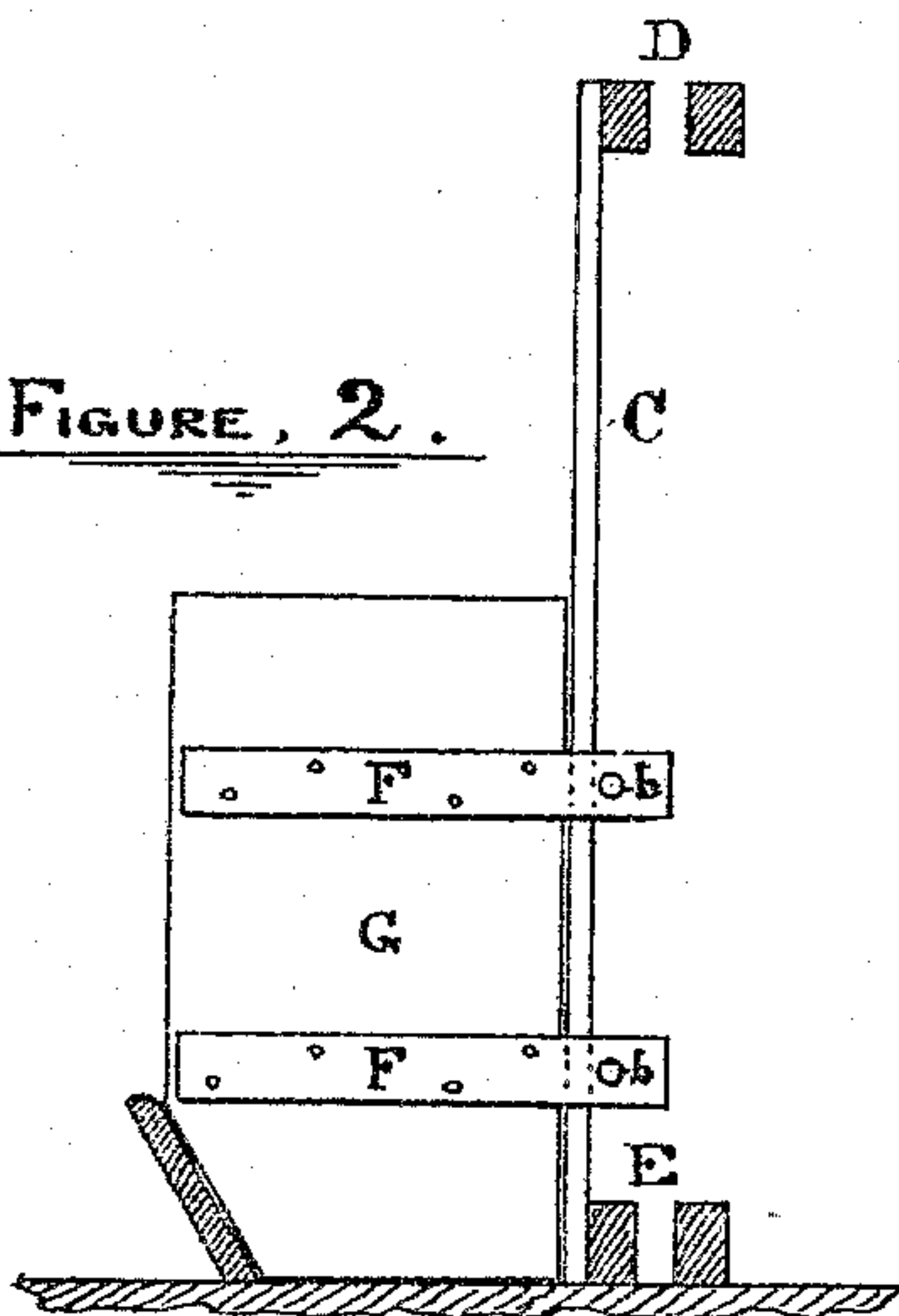
No. 115,874.

Patented June 13, 1871.

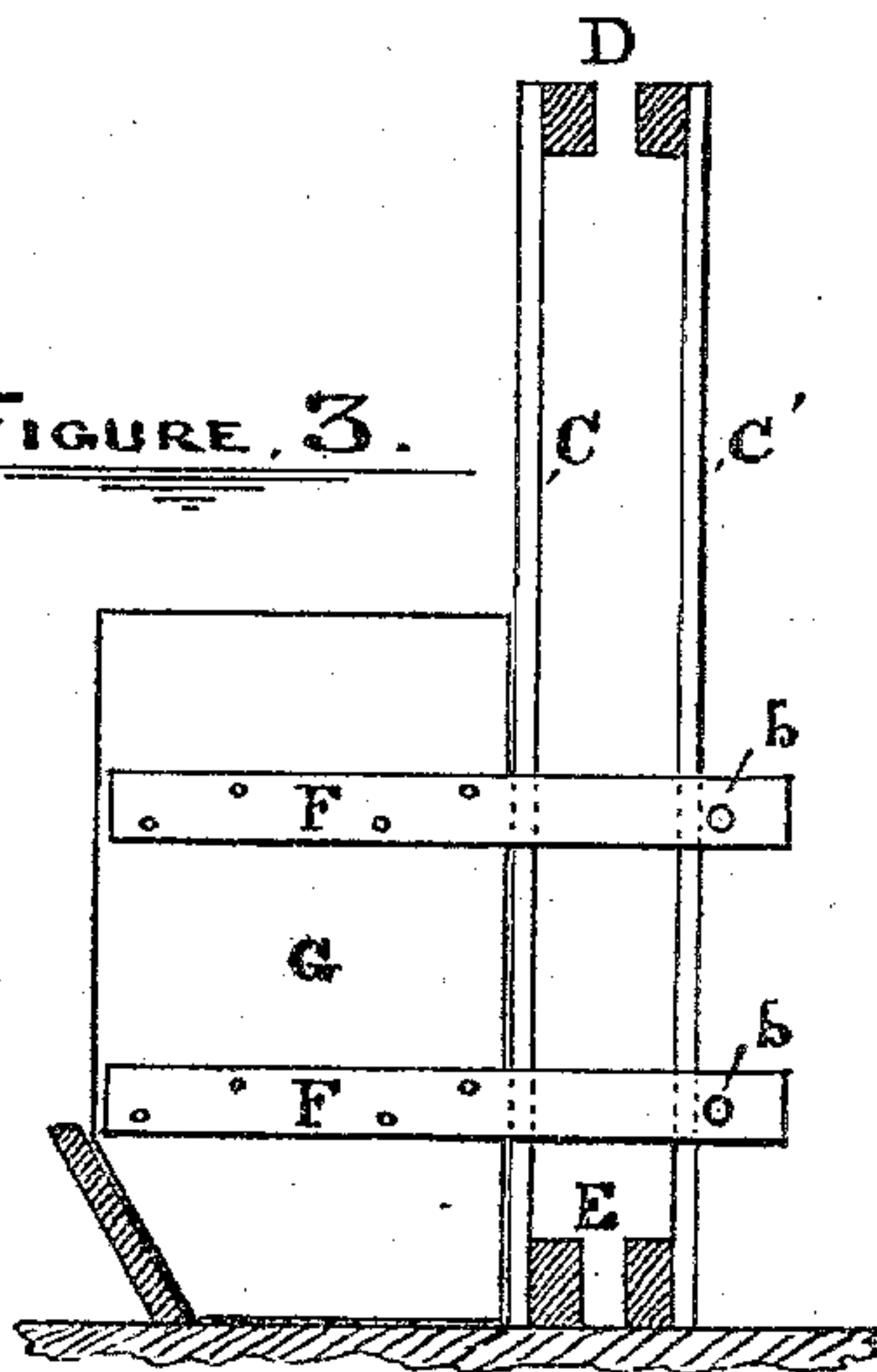
FIGURE, 1.



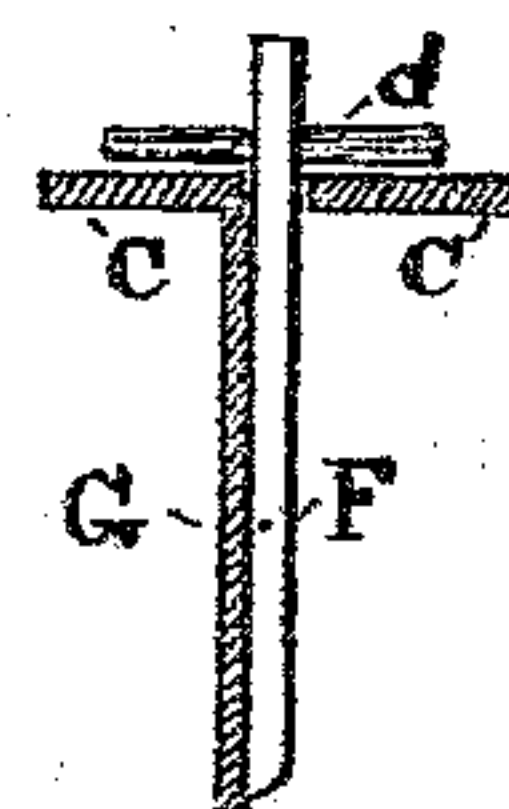
FIGURE, 2.



FIGURE, 3.



FIGURE, 4.



Witnesses,

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# UNITED STATES PATENT OFFICE.

ARIEL H. MAHAM, OF HAMDEN, NEW YORK.

## IMPROVEMENT IN FEEDING DEVICES FOR CATTLE-STALLS.

Specification forming part of Letters Patent No. 115,874, dated June 13, 1871; antedated June 10, 1871.

Be it known that I, ARIEL H. MAHAM, of the town of Hamden, in the county of Delaware and State of New York, have invented certain new and useful Improvements in Partitions for the Mangers of Cattle-Stalls, of which the following is a specification:

### *Nature and Objects of the Invention.*

The nature of my invention consists in providing the mangers of cattle-stalls with movable partitions in such a manner that the said partitions shall effectually divide the manger into different compartments for the purpose of preventing any one animal hooking another, or taking more feed than is placed before it as its share, while, at the same time, said partitions can be elevated so as to throw two or more compartments into one, if desired; or they can all be elevated at the same time, so as to present no obstacle while cleaning out the manger.

### *Description of the Drawing.*

Figure 1 is a perspective view of my invention applied to the manger of cattle-stalls. Fig. 2 is a side view of a vertical section of the same. Fig. 3 is another side view of a vertical section, showing the employment of front and back guide-boards when greater strength is desired. Fig. 4 is a top view of a horizontal section, showing the method of retaining the partitions in their proper place in the guide-boards.

### *General Description.*

The cattle-stanchions A and manger or feed-box B are similar in their construction to those in general use, and need not, therefore be particularly described. C C C C are guide-boards fastened to the upper and lower stanchion-beams D E in such a manner as to leave (or have) an open space, *a*, between them. This open space *a* is made large enough to allow the cross-bars F F, on the partition G, to pass through and slide up and down in it. The guide-boards C C are usually applied on one side of the stanchion-beams only, as shown in Fig. 2; but if greater strength is desired another set may be applied on the inside, as shown at C', Fig. 3. G G are movable partitions, made of any light wood. They are wide enough to extend across the manger, as shown at Fig. 2, and are made high enough to prevent the cattle from injuring each other with their horns. F F are cross-bars secured firmly

to the partition G. These cross-bars pass through the open space *a* between the guide-boards C C, and are made long enough to extend some distance beyond the back of the guide-boards, as shown in Figs. 2, 3, and 4, and are provided with a hole, *b*, in such a position that when the partition G is in its proper place the holes *b* will just come at the back of the guide-boards C, as shown in Fig. 2. Into these holes *b* are placed pins *d*, Fig. 4, which, being tightly inserted, securely hold the partition in its proper position, and yet allow it to slide up and down between the guide-boards. The partitions are held up or fastened down by means of a simple catch, *e*, as shown in Fig. 1.

If it is desired to elevate all the partitions at once, they may be connected, by means of hooks, to a top bar extending the whole length of the manger; or any number of partitions can be thus connected or disconnected at pleasure, by simply hooking them to or unhooking them from the connecting-bar.

The advantages derived from the use of this invention are: First, it possesses all the advantages of fast partitions, in that it prevents any one animal from hooking another; permits each animal to get any amount of feed given to it, and no more; and, if any animal is sick or lacks appetite, it is quickly detected by the feed being left uneaten; and if an animal is sick it can be fed with any soft food without the risk of another animal taking the food away from it. Second, the elevation of the partitions permits the dust or other refuse to be easily swept out of the manger or feed-box, which cannot be so easily done where the partitions are made fast. Third, combining all the advantages of the fast or fixed partition with some peculiarly its own. The cost of construction is but little, if any more than that of the fast partition.

### *Claim.*

I claim as my invention—

The combination and arrangement of the perpendicular sliding partition G, guide-boards C C, and retaining-pins *d d*, the whole being combined with the manger and stanchion-frame of cattle-stalls, in the manner and for the purposes hereinbefore set forth.

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Witnesses:

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