

(No Model.)

J. A. WHITMORE.  
FEED TROUGH.

No. 477,724.

Patented June 28, 1892.

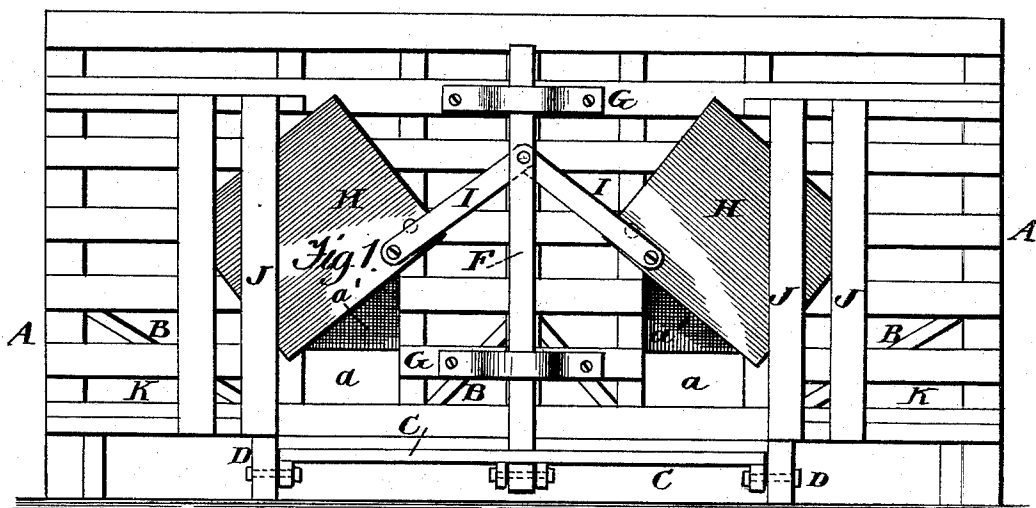
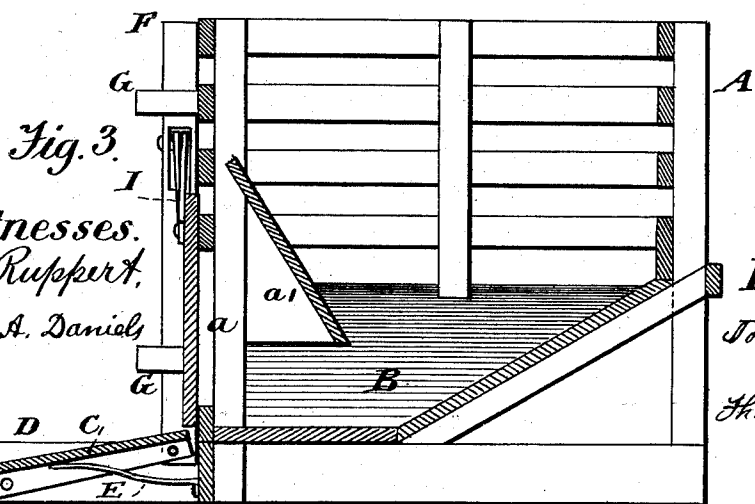
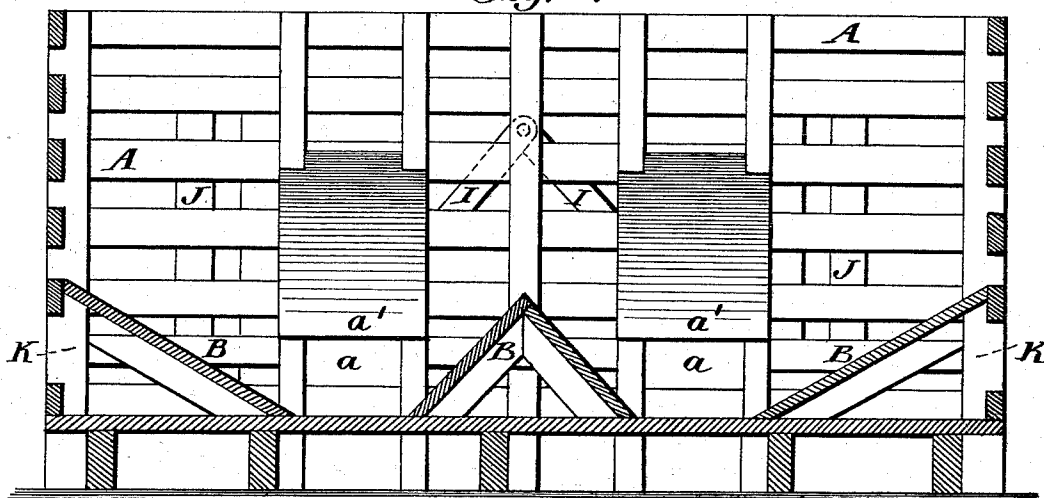


Fig. 2.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

JOSEPH A. WHITMORE, OF CANTON, ILLINOIS.

## FEED-TROUGH.

SPECIFICATION forming part of Letters Patent No. 477,724, dated June 28, 1892.

Application filed September 17, 1891. Serial No. 405,973. (No model.)

### *To all whom it may concern:*

Be it known that I, JOSEPH A. WHITMORE, a citizen of the United States, residing at Canton, in the county of Fulton and State of Illinois, have invented certain new and useful Improvements in Automatic Feeding-Cribs for Swine; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The special object of the invention is to make an automatic feeding-crib for hogs, as hereinafter described.

Figure 1 of the drawings is a front elevation of the crib with its doors thrown open; Fig. 2, a vertical longitudinal section thereof; Fig. 3, a vertical cross-section.

In the drawings, A represents the crib, which may be made of sufficient dimensions to contain one or two hundred bushels of corn in the ear. In the bottom of this crib I arrange hoppers B, whose side and rear walls incline downwardly to a central bottom, while the front wall remains perpendicular and contains the hole *a* and interior hood *a'*, the latter projecting over said bottom, so that the ears of corn will roll under the hood by their own gravity and within reach of a hog standing on the platform C. The latter is pivoted at the rear to and between the projecting beams D D and may be supported in front on a spring E, so that it will be depressed in front by the weight of the animal, thus moving up or down a vertical rod F, which slides

in the guides G G. To this rod F is connected one or two doors H, which cover the holes *a*, by means of the end pivoted rods I I, the said doors being corner-pivoted to the crib at a short distance from the rods. By this combination and arrangement of parts a hog is enabled to open a door leading to one of the corn-hoppers and take out an ear of corn whenever he may feel hungry, while as soon as he steps off the platform the door will be closed and the corn in the crib protected from the weather.

J J are guides on the crib for receiving the doors as they move up and down. The crib may have a suitable roof, and there may be one platform and one vertical rod F for each one or every two of the doors, holes *a*, and hoppers B. K are end openings for medicine, &c.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

An automatic feeding-crib for swine, provided with the openings *a*, hoods *a'*, hoppers B, corner-pivoted doors H, vertical rods F, pivoted arms I, connecting the rods F with the doors H, and the rear pivoted platform C, supported in front on the spring E, all substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH A. WHITMORE.

Witnesses:

MARTIN E. WHITMORE,  
F. E. MESSLER.