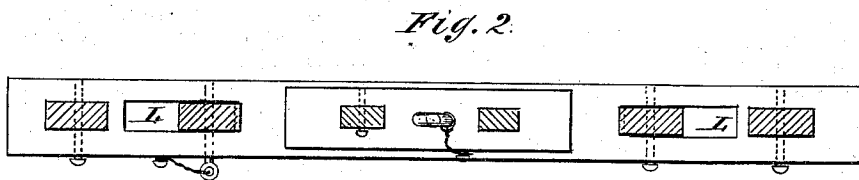
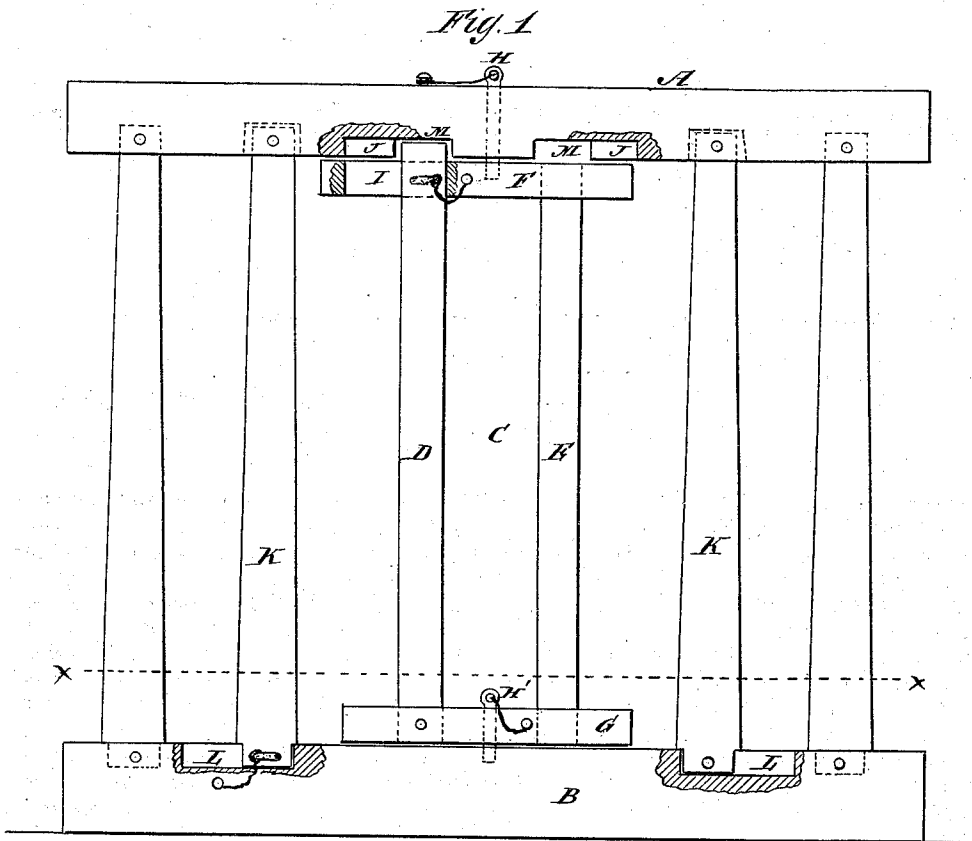


H. WILLARD.  
Cattle-Stanchions.

No. 147,727.

Patented Feb. 17, 1874.



WITNESSES:

*E. Wolff.*  
*C. Hilgner.*

INVENTOR:

*H. Willard*

BY

*Munn & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HOSEA WILLARD, OF VERGENNES, VERMONT.

## IMPROVEMENT IN CATTLE-STANCHIONS.

Specification forming part of Letters Patent No. 147,727, dated February 17, 1874; application filed December 29, 1873.

*To all whom it may concern:*

Be it known that I, HOSEA WILLARD, of Vergennes, in the county of Addison and State of Vermont, have invented a new and useful Improvement in Cattle-Stanchions, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is an elevation with parts broken away to show the construction; and Fig. 2 is a horizontal section, looking down from the line *xx* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the upper, and B the lower, horizontal timbers, or cap and sill, of the stanchions. C is the revolving frame, consisting of two stanchions, D and E, connected together by the horizontal pieces F and G. H H' are pivot-pins, the former of which passes down through the cap-piece A and into the center of the top piece F of the revolving frame. The pivot-pin H' passes through the center of the lower cross-piece G and enters the sill B. The stanchion D of the frame C is movable in the slot I, so as to admit the head of the animal, and this stanchion is longer than the stanchion E, so that it may be slipped into slots J J in the cap A to make the frame C fast, when it is desired to have it fast, or

when the animal is put in or taken from the frame. At other times the frame is allowed to revolve in either direction, according to the position of the animal. To allow this projecting end of the stanchion D to pass the cap A cross-gains M M are cut in the under side of the cap A. The stanchions K K, at the sides of the frame, are movable in the slots L L, as seen in the drawing, so that a pail of water may be passed through from the stable.

I am aware that revolving stanchion-frames have been made before; but I am not aware that they have heretofore been so constructed and pivoted that they will allow perfect freedom to the animal, and so that they may be made stationary or fastened in the manner I have described.

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

A pivoted revolving frame, C, having stanchion D longer than stanchion E, and having slot I, combined with a cap, A, having slots J J, and with the sill B, to allow it to be fastened in the manner described.

HOSEA WILLARD.

Witnesses:

C. H. STONE,  
J. H. LUCIA.