

GEORGE W. GORDON.

Improvement in Horse-Stall Floors..

No. 127,477.

Patented June 4, 1872.

Fig. 1.

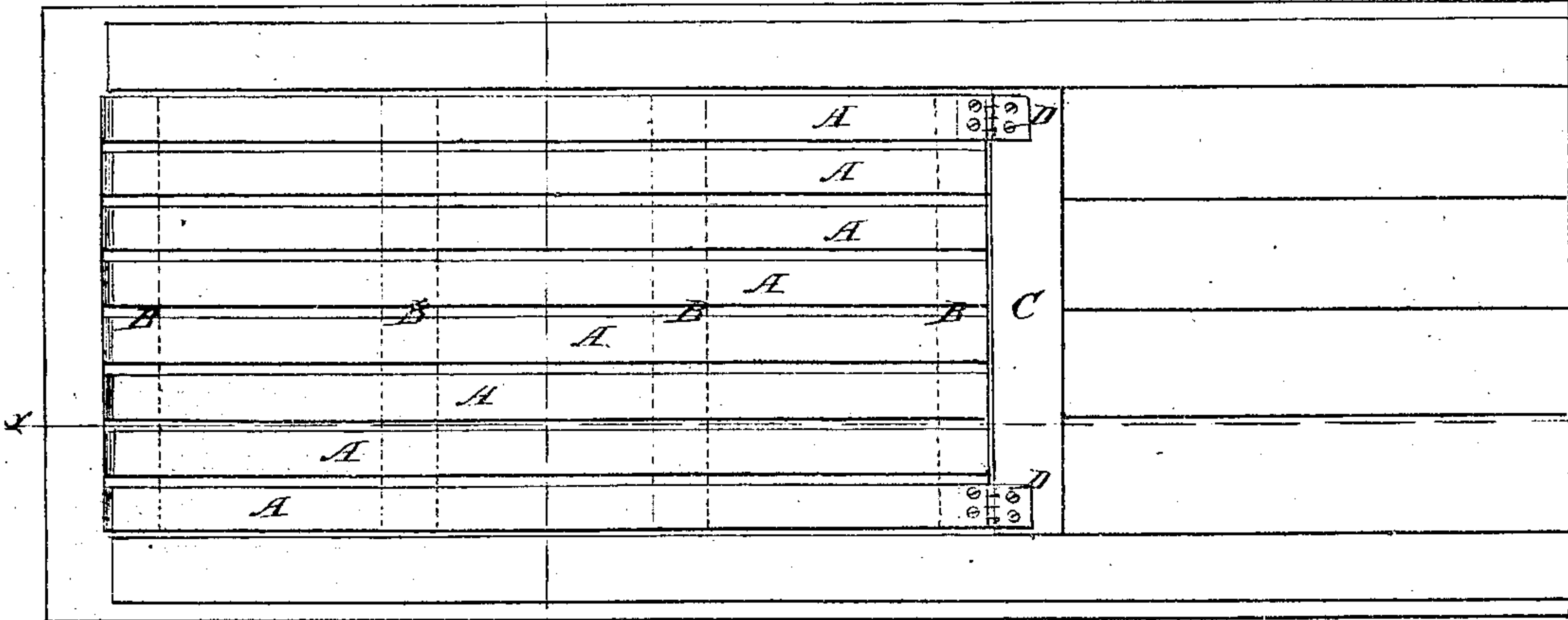


Fig. 2.

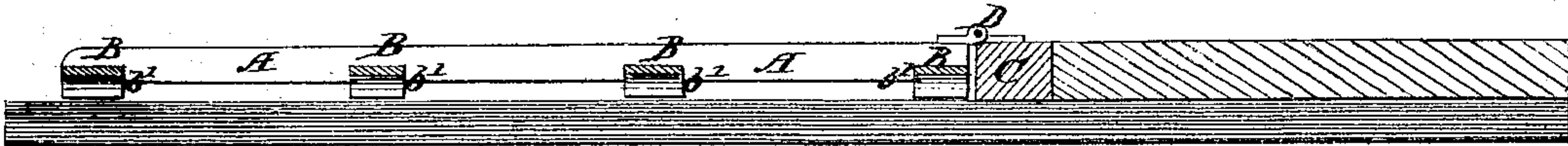
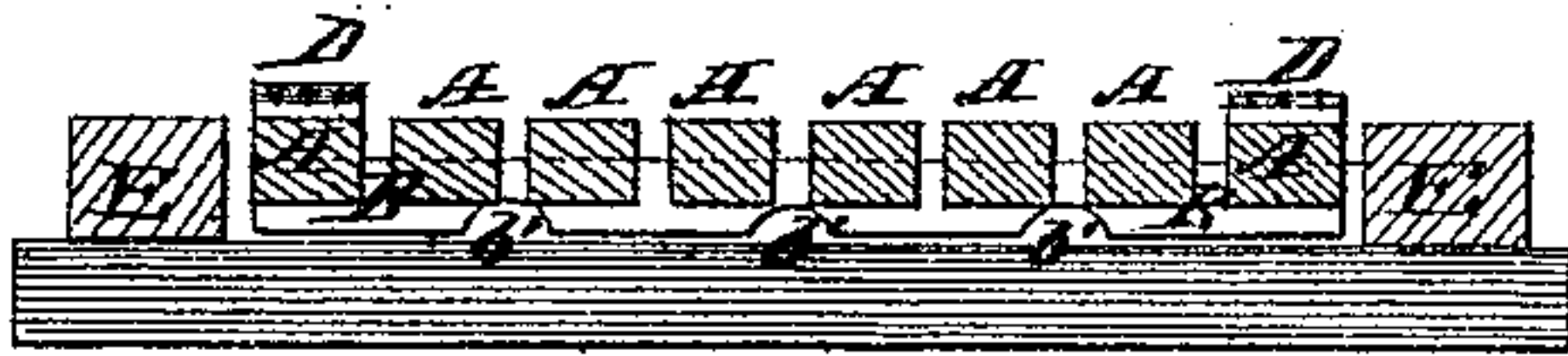


Fig. 3.



Witnesses:

P. C. Dieterich.  
W. A. Graham.

Inventor:

George W. Gordon

PER

Munn & Co.  
Attorneys.

# UNITED STATES PATENT OFFICE.

GEORGE W. GORDON, OF CHARLESTOWN, MASSACHUSETTS.

## IMPROVEMENT IN HORSE-STALL FLOORS.

Specification forming part of Letters Patent No. 127,477, dated June 4, 1872.

Specification describing a new and useful Improvement in Horse-Stall Floors, invented by GEORGE W. GORDON, of Charlestown, in the county of Middlesex and State of Massachusetts.

Figure 1 is a top view of my improved stall-floor. Fig. 2 is a detail longitudinal section of the same taken through the line *x x*, Fig. 1. Fig. 3 is a detail cross-section of the same taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention is an improvement on the stall-floor of Z. G. Garlick, for which Letters Patent of the United States were issued July 21, 1863, and which I accordingly disclaim. The invention consists, mainly, in so arranging the secondary floor as to constitute a close box or framing for the hinged part, thereby facilitating the cleaning of the stall, preventing draught of air upon the animal, and producing other advantages not necessary to enumerate; and it consists in the floor, constructed as herein-after more fully described.

A are joists, eight, more or less, in number, and about six feet long, three inches deep, and four inches wide. The joists A are arranged lengthwise of the stall and parallel with each

other, and are attached to four, more or less, cross-bars, B, in such a way that the joists A may be raised half an inch, more or less, from the floor. In the under sides of the cross-bars B are formed several transverse grooves, *b'*, to facilitate the running off of the liquids. The forward end of the floor A B is hinged with wrought-iron strap-hinges to a head-piece, C, securely fastened to the floor near the crib. The side portions E E of the secondary or upper floor are laid flat upon the lower floor F, and secured thereto so as to form a perfect or water-tight inclosure or box for the hinged part A B, as shown.

By this construction, straw, manure, or other matter finding its way through the hinged floor will be retained by the box-like frame E E C, and its easy removal provided for.

I claim—

As the improvement herein described, the arrangement of the parts E E C with the permanent floor F and hinged floor A B, as shown and described.

GEORGE W. GORDON.

Witnesses:

LUSHER G. BAKER, Jr.,  
F. D. WOODBRIDGE, Jr.