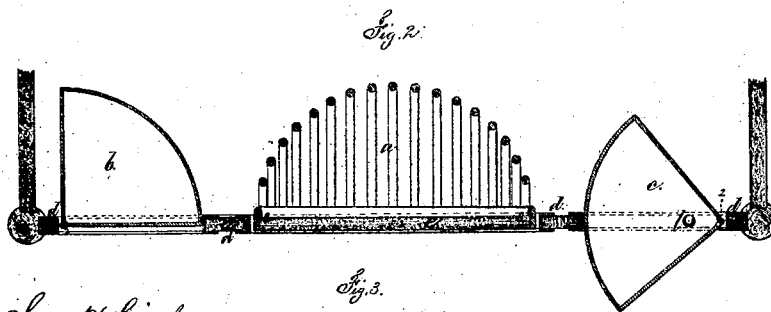
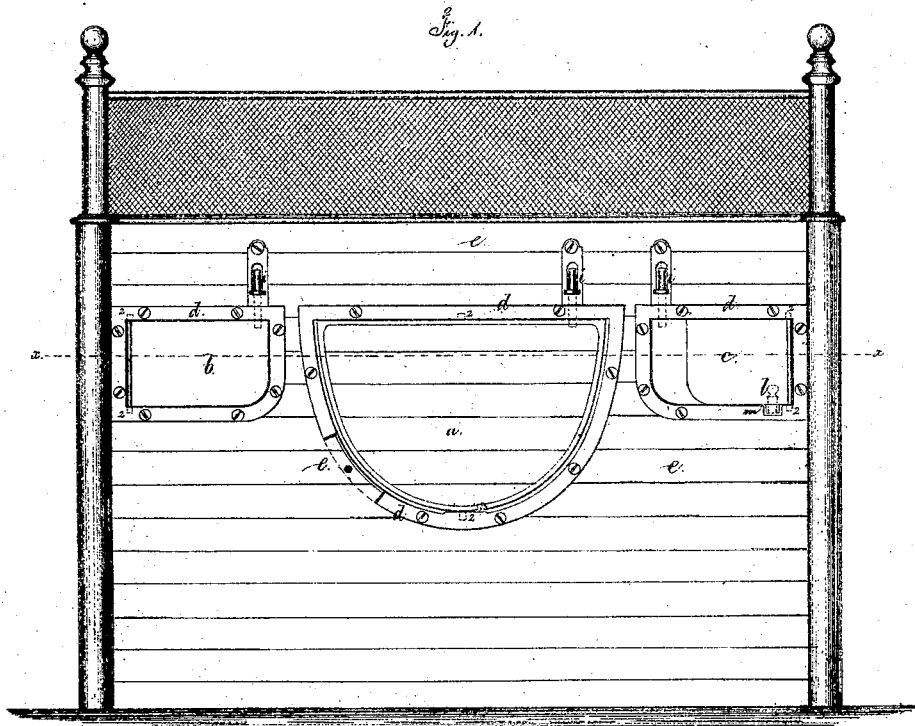


S.S. Bent,

Stall for Horses.

No. 111,426,

Patented Jan. 31. 1871.



Charles Smith
Geo. A. Walker

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United States Patent Office.

SAMUEL S. BENT, OF PORT CHESTER, NEW YORK.

Letters Patent No. 111,426, dated January 31, 1871; antedated January 21, 1871.

IMPROVEMENT IN STALLS FOR HORSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, SAMUEL S. BENT, of Port Chester, in the county of Westchester and State of New York, have invented and made an Improvement in Stable-Fittings; and the following is declared to be a correct description thereof.

The object of this invention is to firmly secure the ends of the planking employed in a stable, and facilitate the introduction of swinging hay-racks, manger, or water-troughs, so that they will be very firmly secured in place, and easily employed when the horse is to be fed or watered.

I make use of a metal frame that receives the ends of the boarding of the stall and sustains the same, so that said boarding is securely sustained around the opening made in such boarding, and within this frame the manger, water-trough, or hay-rack is hung upon vertical or nearly vertical axes, so that such trough, manger, or rack can receive the food or water while outside of the stall, and when the proper time arrives for feeding or watering the horse the said receptacle can be swung into the stall through the opening in said frame.

In the drawing I have shown in—

Figure 1, an elevation of the front of the stall, and in

Figure 2, a section at the line *x x*, and

Figure 3 is a section in larger size of the trough-shaped metal frame.

The hay-rack *a*, manger *b*, and water-trough *c* are made in any desired or well-known shape or size.

The frame *d* for each of these is of a size and shape adapted to the article and to the reception of the vertical pins or pivots 2, upon which the parts swing as turned through the boarding into the stall, or swing out therefrom.

The frames *d* are each made of a trough-shape, as seen in figs. 2 and 3, for receiving the ends of the planking or boarding *e* of the stall.

I prefer to have the said frames made in two parts, bolted together, (see fig. 3,) so that the boarding can be set together, and then the opening sawed out, the frame set thereinto, and the separate flange then applied thereto, and the parts firmly bolted together.

In this manner the boarding and frame mutually support each other, rendering the stall very strong.

I provide countersunk bolts *i*, set in the frame or boarding to hold the manger, rack, or trough, when turned into or swung out of the stall, so that food or drink can be introduced in such receptacles and swung into the stall for the animal's use whenever required.

In the water-trough *c* I provide a plug, *l*, so that dirty or stale water can be drawn off freely into a pail or otherwise previous to the introduction of fresh water.

The manger and troughs being mounted so as to swing, give more room than usual within the stall when they are swung out, and by arranging the parts in the manner shown the manger can swing into one corner of the stall, the water-trough into the other, and the hay-rack, of nearly a quarter-globular shape, will occupy the middle portion of the end of the stall.

The hay-rack might be half the size shown, so as to set into a corner.

I remark that the frame *d* has to be made with a depression or opening at *m*, to allow the trough with the plug *l* or delivery-tube to swing into or out of the stall.

The frame of the hay-rack is made as represented in fig. 2, so as to be adapted to receiving the wooden back, the frame having a shoulder or off-set, as seen at 6, so that the planking can be introduced and secured by nails or pins passing through the frame.

I claim as my invention—

1. The frame *d*, for receiving the ends or edges of the planking of the stall, and also the pivots or axes, on which the manger or trough swings, the parts being constructed substantially as and for the purposes set forth.

2. The metal manger, with the frame and shoulder 6, to receive the wooden back, substantially as set forth.

Dated May 16, A. D. 1870.

SAMUEL S. BENT.

Witnesses:

HAROLD SERRELL,
LEMUEL W. SERRELL.