

L. S. STOWE.
MAT FOR HORSE STALLS.

No. 385,149.

Patented June 26, 1888.

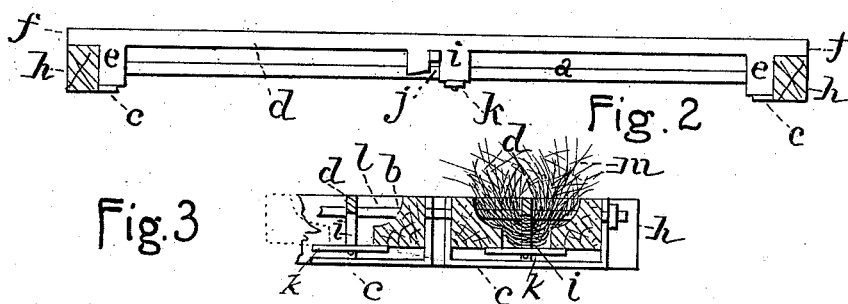
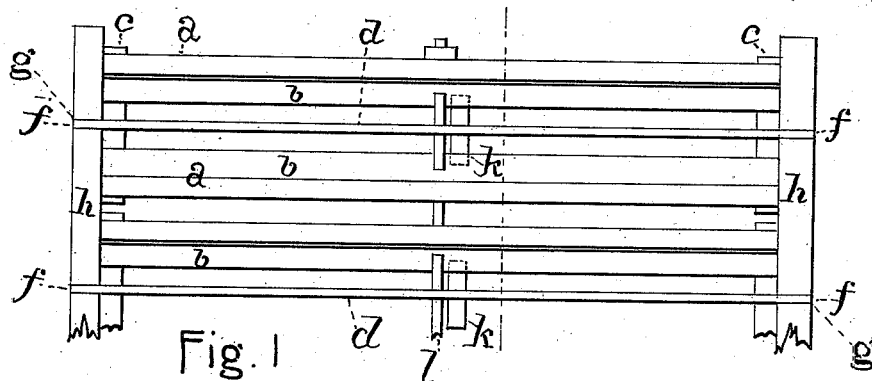


Fig. 3

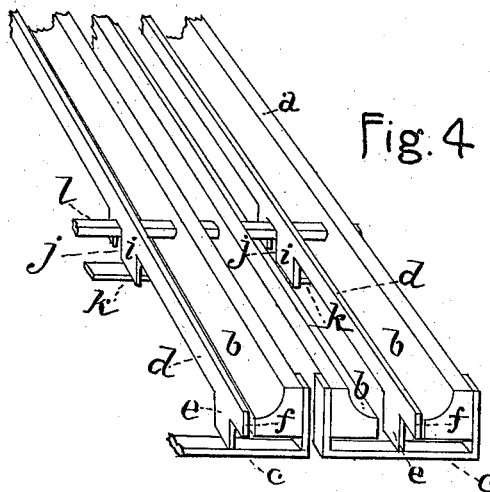
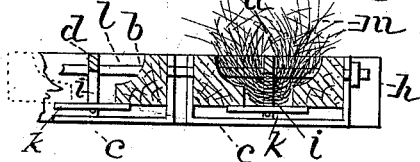


Fig. 4

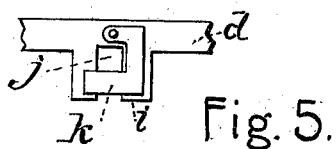


Fig. 5.

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(No Model.)

2 Sheets—Sheet 2.

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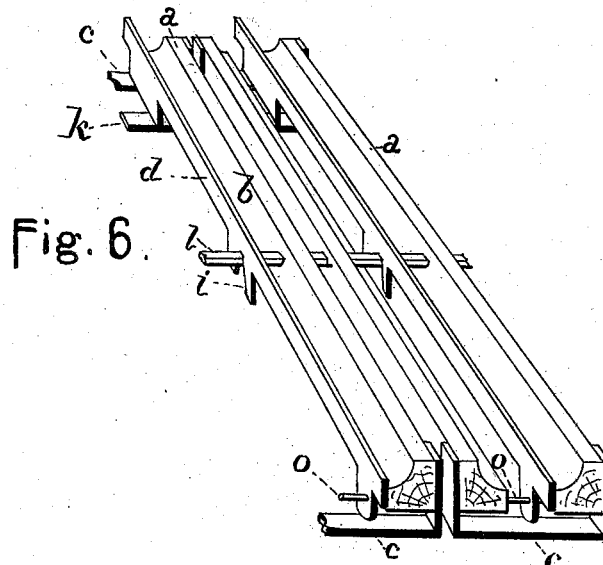
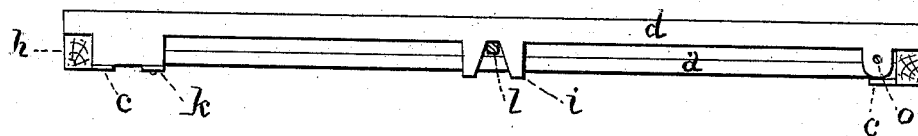


Fig. 7.



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UNITED STATES PATENT OFFICE.

LEROY S. STOWE, OF NEWRY, MAINE.

MAT FOR HORSE-STALLS.

SPECIFICATION forming part of Letters Patent No. 385,149, dated June 26, 1888.

Application filed March 26, 1888. Serial No. 268,499. (No model.)

To all whom it may concern:

Be it known that I, LEROY S. STOWE, of Newry, in the county of Oxford and State of Maine, have invented certain new and useful
5 Improvements in Mats for Horse-Stalls; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same,
10 reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a top plan of the mat-frame, a part being broken off. Fig. 2 is a section showing the metal plate in position. Fig. 3 is
15 part of a cross-section. Fig. 4 is a perspective of a part of the frame. Fig. 5 is a detail showing a different locking device, and Figs. 6 and 7 are details showing the metal plate pivoted
20 at one end.

Same letters in all the figures refer to like parts.

My invention relates to improvements in mats for horse-stalls, and is designed to afford
25 and maintain an even distribution of the bedding to hold it in place and to prevent it from soaking in the urine. Its object is to make a mat which shall be light, easily handled, and quickly and conveniently filled with the bed-
30 ding.

It consists of a series of sections, each composed of two wooden bars having between them a plate around which to wind the bedding, a band to hold these parts together, and
35 a central rod or bar upon which several sections are placed, and a locking device to secure the metal plate when loaded between the wooden bars.

Each section of my invention has two wooden
40 bars, *a*. The bars *a* have their upper adjacent edges hollowed out or beveled, as shown in Fig. 4, and marked *b*. The bars *a* are held in place by the bands *c*, which are attached to the sides near the ends and pass underneath the
45 bars. The bands *c*, extending somewhat below the bottom of the bars, serve as a support for the mat-frame, thus giving an open space between the bars and the floor and allowing the urine to flow away.

Between the bars *a*, I place a metal strip or
50 plate, *d*, having the legs *e*, which rest on the band *c*, the projection *f*, which fits into a sock-

et, *g*, in a rack, *h*, set on the bottom of either side of a stall. The plate *d* also has the leg *i*, in which is a slot, *j*, and on the end of one side
55 a button, *k*, for locking the plate in position between the bars *a* when the plate has been loaded with the bedding. Through the bars *a*, near the middle, passes a rod, *l*. The rod *l* passes also through the slot *j*.
60

The object of the rod *l* is to bind several sections together. A rack, *h*, is placed lengthwise near or at the side of the stall, having socket
65 *g* cut therein at proper distances to receive the projections *f* of the metal plate *d*. The plate *d* can be locked in its place by the long narrow button *k*, or by a hook hung above the slot *j* on a pivot in the leg *i*, as seen in Fig. 5, said hook being marked *k* and being so hung
70 as to swing under the bar or rod *l*.

My improved stall-mat may have all its sections held together by a single rod, or it may be made in several parts, each composed of a certain number of sections. This will be found
75 very convenient and useful, since the rear part of the mat would become soiled and worn out before the front part, and by this arrangement only that part need be taken up and refilled.

The plate *d* may be locked by any convenient device, two of which I have illustrated and
80 described.

The side of the middle leg upon which there is no button may be cut away, as shown in Fig. 1, to facilitate the removal of the plate from
85 between the bars.

Fig. 6 shows a different arrangement of the metal plates. The plate is pivoted at one end on a bar, *o*, the ends of which are inserted in the side of the wooden bars, the plate thus admitting of being opened and shut similar to
90 the blade of a jack-knife. On the other end of the plate is a button or other locking device, *k*, substantially as shown. When thus arranged, the bedding is laid across the opening between the wooden bars and the plates shut
95 down upon it and the button turned, thus holding it in place.

Having thus described my invention and its use, what I claim, and desire to secure by Letters Patent of the United States, is—
100

1. A mat composed of a series of sections, each section composed of two wooden bars having their upper adjacent edges cut away and being bound and held together by bands which

support them above the floor, and a metal plate wound with bedding placed between said bars, substantially as and for the purposes hereinbefore set forth.

5 2. In a mat for horse stalls, the combination, with a series of sections composed of bars *a* and plate *d*, arranged as above described, of a bar, *l*, passing through the bars and slot in the middle leg of the plate, substantially as set
10 forth.

3. A mat for horse stalls composed of a series of sections united by a transverse bar, each section composed of two wooden bars bound and held rigidly by a band attached to
15 the outer sides of said bars and extending below and underneath them, and a metal strip between said wooden bars pivoted at one end

and having a locking device on the other end, substantially as described.

4. In a mat for horse stalls, the combination, 20 with racks *h*, having sockets *g* therein, of a series of sections united by a transverse rod, each section composed of two wooden bars held rigidly by a band, and a thin strip between said bars having projections *f* on its ends, the
25 said projections fitting into the sockets of the racks, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LEROY S. STOWE.

Witnesses:

A. E. HERRICK,
ELLERY C. PARK.