

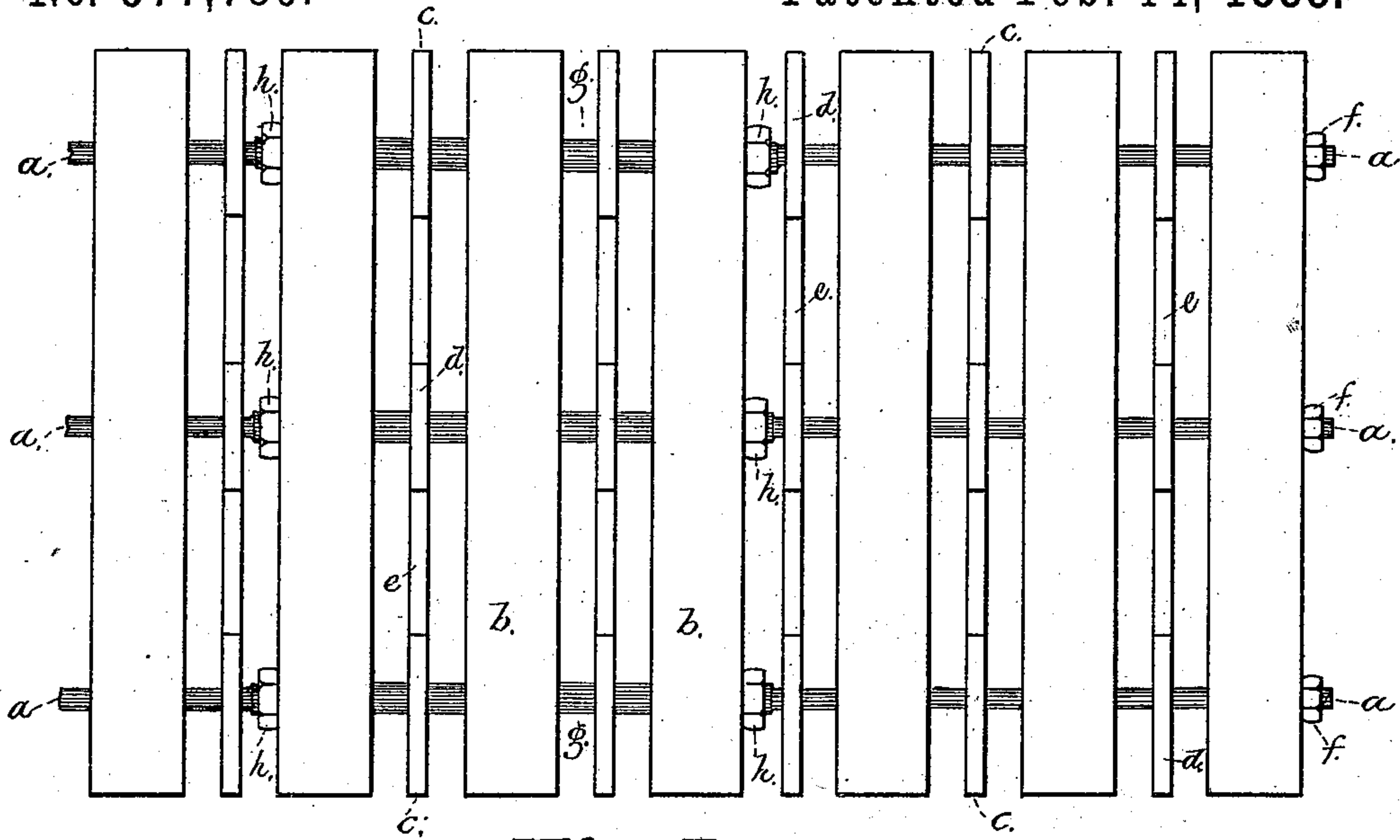
(No Model.)

2 Sheets—Sheet 1.

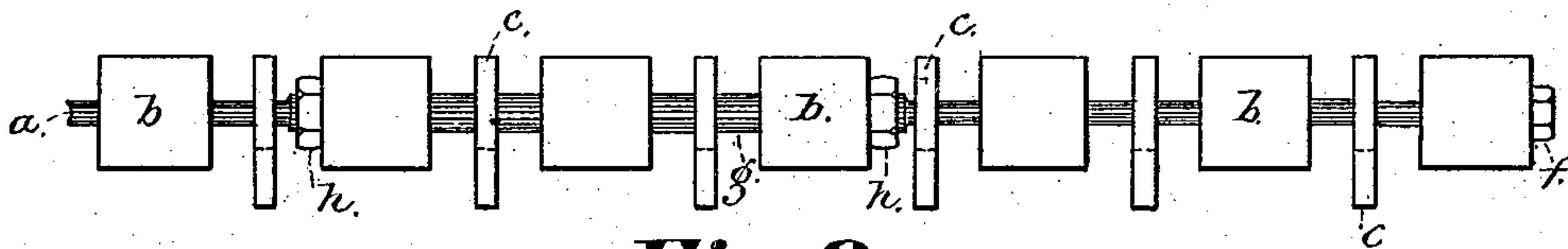
L. S. STOWE.  
MAT FOR HORSE STALLS.

No. 377,786.

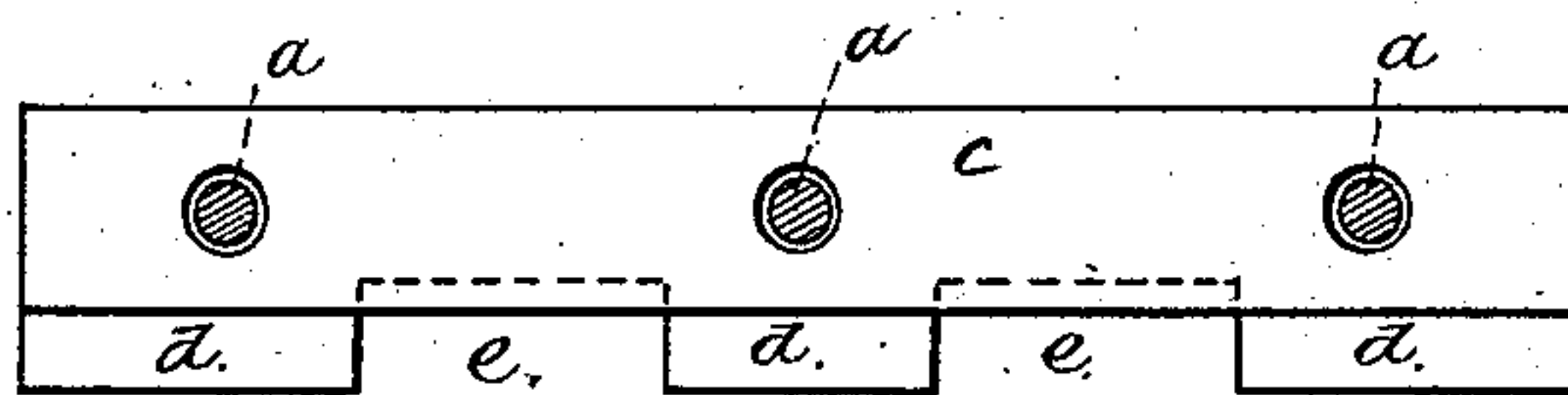
Patented Feb. 14, 1888.



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

**Witnesses:**

Charles S. Cook,  
Harriet J. Lavabee.

**Inventor.**

Leroy S. Stowe,  
per atty,  
Elgin Merrill.

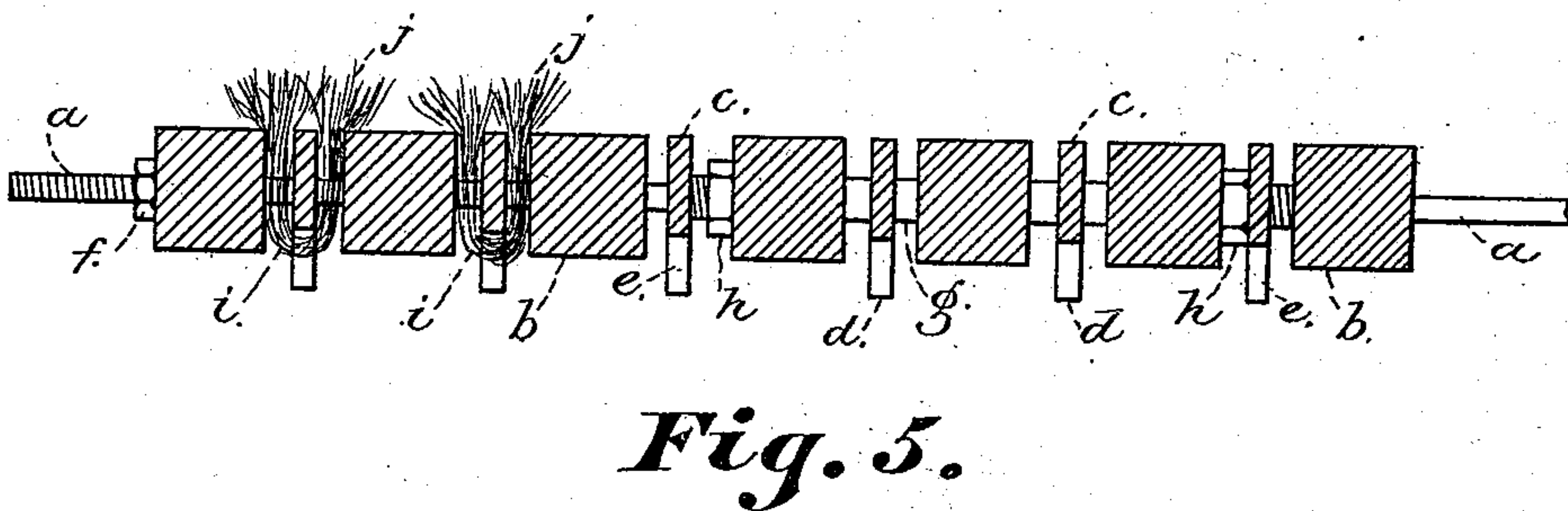
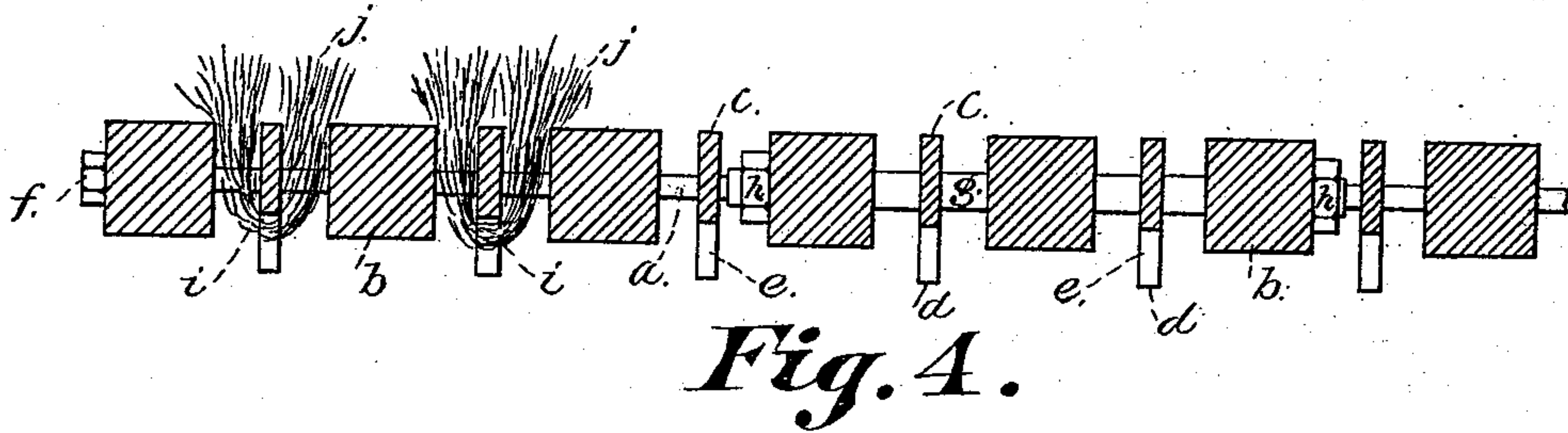
(No Model.)

2 Sheets—Sheet 2.

L. S. STOWE.  
MAT FOR HORSE STALLS.

No. 377,786.

Patented Feb. 14, 1888.



**Witnesses:**

*B. J. Parry*  
*Jos. P. Woodward*

**Inventor.**

*Leroy S. Stowe*  
*per atty.*  
*Elgin C. Berrill.*



# UNITED STATES PATENT OFFICE.

LEROY S. STOWE, OF NEWRY, MAINE.

## MAT FOR HORSE-STALLS.

SPECIFICATION forming part of Letters Patent No. 377,786, dated February 14, 1888.

Application filed September 1, 1887. Serial No. 248,451. (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 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, 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 bottom plan of the mat-frame, showing one end broken off. Fig. 2 is a side elevation of the same, showing one end broken off. Fig. 3 is a section. Fig. 4 is a section before the plates and bars are pressed together, and showing the matting. Fig. 5 is a section after the plates and bars are pressed together, and showing the matting.

Same letters show like parts.

My invention relates to mats for horse-stalls, and is designed to afford and maintain an even distribution of the bedding, to hold it in place, and to prevent its soaking in the urine. The mat is so made that it may be easily withdrawn from the stall, in order that the mat itself may be aired and the bottom of the stall scraped out and dried, if desired. It is also well adapted to use as a coarse door-mat. It may be thus described:

On two or more rods, *a*, extending lengthwise of the mat, are strung several wooden bars, *b*. On the same rods, and alternating with the wooden bars above mentioned, are a series of iron plates, *c*, substantially as shown in Figs. 1 and 2. These iron plates have their upper edges in the same plane, or nearly the same, as the upper faces of the bars *b*, while on the under side parts of these plates, which are near where the rods *a* pass through them, have downward-projecting legs *d*, which serve for supports for the mat frame-work. Between these supporting-legs are the open spaces *e*, permitting the urine, which soaks down through the matting, to run off freely.

The ends of the rods *a* have screw-threads cut thereon to receive nuts *f*, by means of which the bars *b* and the plates *c*, when said plates are wound with the bedding, may be pressed closely and held firmly together.

In order that the pressure on the middle bars and plates may be uniform with that on those near the ends of the mat, the rods *a* may have their middle parts, *g*, of greater diam-

eter than the ends, and have threads cut thereon and the supplemental nuts *h*.

To fill the mat, the plates are separated from the bars on either side a short distance, and the straw, hay, or other substance, *i*, to be used is doubled up over the plates from the under side, so that the ends *j* project up to a considerable distance above the faces of the bars and plates. When the plates have been sufficiently filled, the nuts are screwed up, so that the bedding is firmly held between the bars and plates. The ends of the straw or hay extending up above the face of the frame form an even and permanent bedding.

There being always an open space under the mat, in consequence of its being supported on the legs *d*, the air circulates freely beneath it and the bedding dries off very rapidly.

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

1. The combination of the wooden strips united by the transverse rods and bound by the nuts thereon, with the intermediate metal strips alternating with said wooden strips, said metal strips also receiving the transverse rods and having legs to support the mat above the floor, all substantially as hereinbefore set forth.

2. In a mat for horse stalls, a frame work consisting of the rods *a*, provided with screw-threads and nuts on their ends, and having a larger diameter in the middle to take supplemental threads and nuts *h*, the wooden bars *b*, and the plates *c*, having the downward-projecting legs *d*, all substantially as and for the purposes hereinbefore set forth.

3. The combination of the wooden strips united by transverse rods and bound by nuts thereon with the intermediate metal strips alternating with said wooden strips, said metal strips also receiving the transverse rods and having legs to support the nut above the floor, and being wound with bedding so that ends of the bedding around each iron strip project upon either side of said strip and between it and the adjacent wooden bars, all substantially as hereinbefore set forth.

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

LEROY S. STOWE.

Witnesses:

K. H. LOCKE,  
J. HERBERT CHANDLER.

Correction in Letters Patent No. 377,786.

It is hereby certified that in Letters Patent No. 377,786, granted February 14, 1888, upon the application of Leroy S. Stone, of Newry, Maine, for an improvement in "Mats for Horse-Stalls," an error appears in the printed specification requiring correction, as follows: In line 98, the word "nut" should be stricken out and the word *mat* inserted instead; and that the Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 27th day of March, A. D. 1888.

[SEAL.]

D. L. HAWKINS,  
*Assistant Secretary of the Interior.*

Countersigned:

BENTON J. HALL,  
*Commissioner of Patents.*