(No Model.)

# S. G. BROWN.

## STALL FLOOR.

No. 502,221. Patented July 25, 1893.

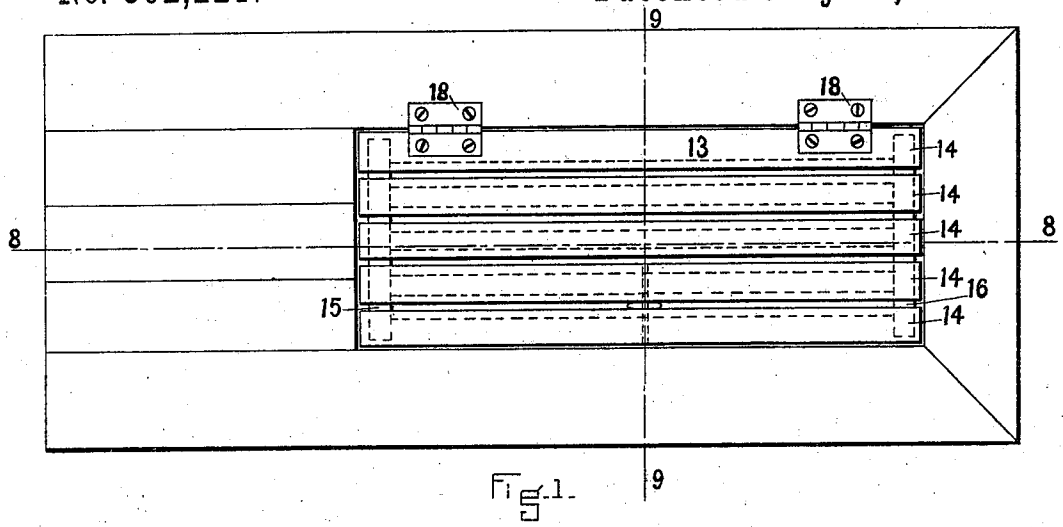


Fig. 1.

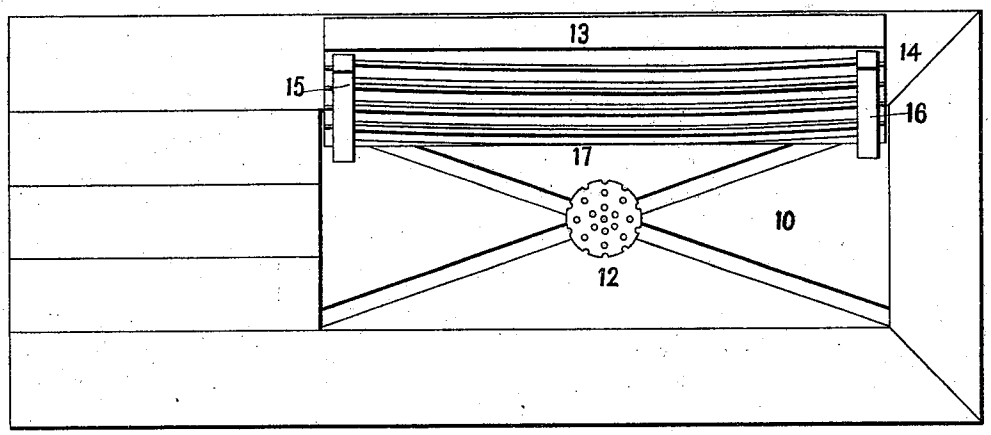


Fig. 2.

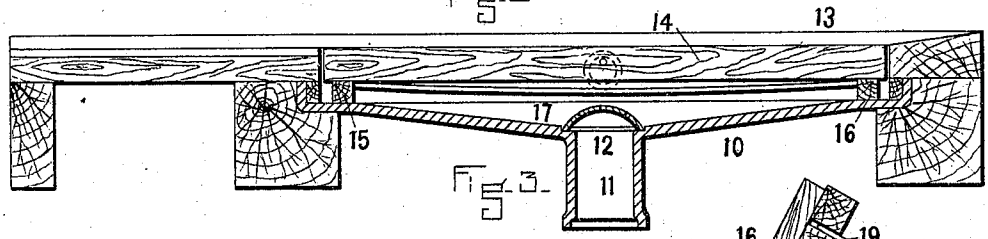


Fig. 3.

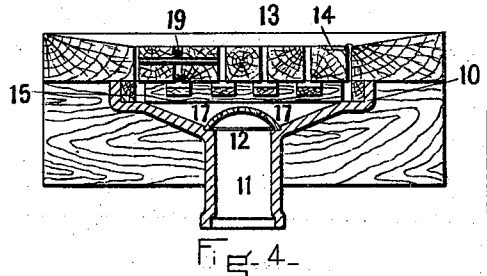


Fig. 4.

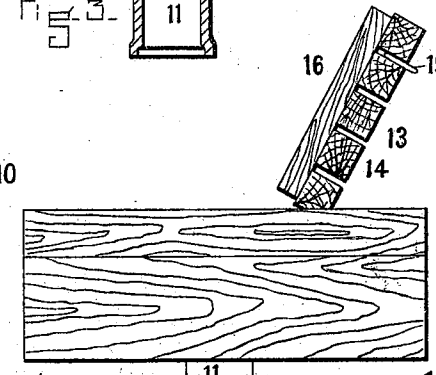


Fig. 5.

WITNESSES.
Charles L. Ellis.
Harold S. Bangs.

INVENTOR. Samuel G. Brown.
BY E. Frank. Woodbury. ATTORNEY.

# UNITED STATES PATENT OFFICE.

SAMUEL G. BROWN, OF LYNN, MASSACHUSETTS.

## STALL-FLOOR.

SPECIFICATION forming part of Letters Patent No. 502,221, dated July 25, 1893.

Application filed November 9, 1892. Serial No. 451,459. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL G. BROWN, a citizen of the United States, residing at Lynn, in the county of Essex and State of Massachusetts, have invented a new and useful Stall-Floor, of which the following is a specification.

My invention relates to stall-floors for stable uses, and it has for its object an improved stall-floor so constructed and arranged as to insure greatly improved sanitary results. The stall-floor can be readily kept clean, and by reason of the dryness of the floor, a comparatively small quantity of bedding is required, and its elasticity makes it easy under foot.

Figure 1 represents the stall-floor in plan, with the removable or hinged slatted floor closed. Fig. 2 represents the stall-floor in plan, with the slatted floor swung open, in order to show the drip pan. Fig. 3 is a longitudinal section of Fig. 1 on line 8—8. Fig. 4 is a cross-sectional view of Fig. 1 on line 9—9. Fig. 5 is an end elevation of Fig. 2.

The stall-floor framing is designed and adapted to receive the drip-pan 10 as shown. This pan, which is preferably made of cast iron, is provided with an upwardly projecting flange which extends entirely around it. The bottom of the pan is made dishing toward its center, and the center drain pipe 11 is provided having the strainer 12 placed over the inlet of the pipe. It is intended that this pipe should be connected with a main drain or soil pipe. The sides and rear end of the main floor of the stall, which covers the flange of the drip-pan, is made dishing toward the slatted-floor, as shown by Figs. 4 and 3. A tight joint is made between the under side of the main floor and the flange of the pan and framing, using any suitable material, preferably tarred paper and tar.

The slatted floor 13, which is about two-thirds as long as the stall-floor, and the outside dimensions of which are less than the inside dimensions of the drip-pan upwardly projecting flange, is constructed as follows:—The main slats 14 composing the floor are secured together at a suitable distance apart, by the battens 15 and 16 to which the slats are fastened. These battens rest firmly upon the ends of the drip-pan as shown. Underneath the main slats, the supplemental slats 17 are placed, each supplemental slat being opposite an opening between the main slats. The hinges 18 are provided so that the slatted floor may be swung, as represented by Figs. 2 and 5, so as to expose to view the upper surface of the drip pan for cleaning purposes. The ring bolt 19 is provided as a matter of convenience in raising the slatted floor.

In operation, when the slatted floor is raised, as shown by Figs. 2 and 5 the drip pan can be expeditiously and readily cleansed, while any sediment that may remain between the main slats can be readily removed by means of a hook-shaped iron tool provided for that purpose. The supplemental slats, in a great measure prevent the escape of the sediment between the main slats into the pan. It has been found by experience that it is desirable to check the falling of the sediment into the drip pan. The hinges are provided as a matter mainly of convenience, and they may be dispensed with, if for any reason it is thought advisable to do so. It is desirable that the slatted floor should be integrally complete.

If considered desirable, to suit special conditions, other openings may be made in the floor than the longitudinal slots formed between the slats of a slatted floor.

What I claim as new, and desire to secure by Letters Patent, is—

In a stall-floor, the combination of the slatted floor 13, composed of the main slats 14 and the supplemental slats 17 and connecting mechanism, with the metallic drip-pan 10, provided with the drain pipe 11, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL G. BROWN.

Witnesses:

WILLIAM AUSTIN BROWN,

E. FRANK WOODBURY.