D. J. HOWELL.

ATTACHMENT FOR STALL PARTITIONS.

APPLICATION FILED MAY 16, 1914.

1,141,341. Patented June 1, 1915.

Fig. 1

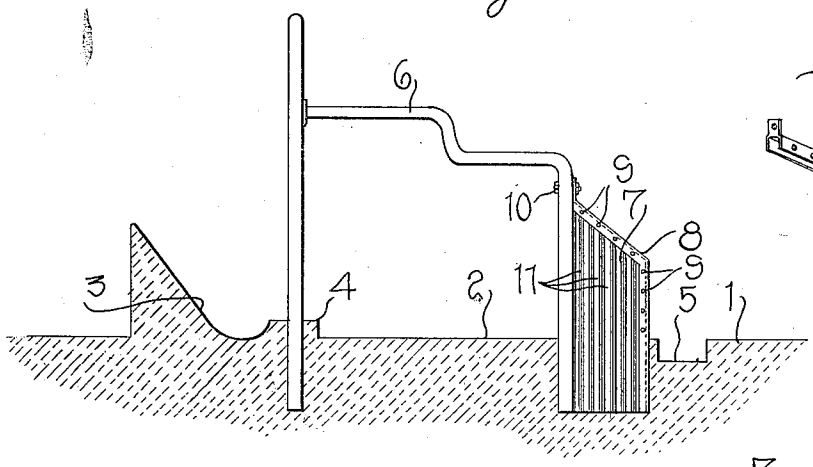


Fig. 2

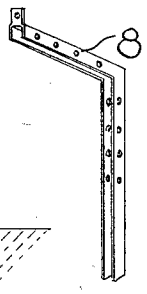


Fig. 3

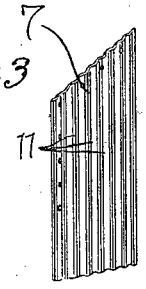


Fig. 4

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ATTACHMENT FOR STALL-PARTITIONS.

1,141,341. Specification of Letters Patent. Patented June 1, 1915.

Application filed May 16, 1914. Serial No. 839,103.

To all whom it may concern:

Be it known that I, DAVID J. HOWELL, a citizen of the United States, residing at Waukesha, in the county of Waukesha and State of Wisconsin, have invented certain new and useful Improvements in Attachments for Stall-Partitions, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to attachments for stall partitions, and particularly to anti-slipping attachments therefor.

In the construction of modern sanitary stalls, it is the practice to build the floor, the feed trough, the sill, and the gutter, all of concrete, in integral form. The stalls in this construction are divided by partitions which consist merely of tubular metallic rods, and in these stalls, the cattle frequently slip when arising from a lying position, owing to the smoothness of the floor. It frequently occurs, that when the cow in one stall slips, the hoofs of the cow strike the animal in the adjoining stall, and injures this animal, especially if the same is in a lying position. It also occurs that when a cow in one stall slips, and the cow in the adjoining stall is being milked, the feet of the slipping cow strike and tip over the milk stool and causes injury to the milker.

It is the object of this invention to provide an attachment for stall partitions which will form a brace for the feet of the cow to engage against, when the cow is arising from a lying position.

A further object of this invention is the provision of a vertical brace plate for attachment to the rear vertical rod of a stall partition, the plate being formed with vertical corrugations or ribs against which the feet of the cow engage so that the feet are prevented from slipping off of the plate.

With these and other objects in view, my invention consists in the novel construction and arrangement of parts, to be hereinafter more fully described, claimed, and illustrated in the accompanying drawing, in which,

Figure 1 is a side elevational view showing a stall partition embodied in the floor of a manger and showing my improved anti-slipping attachment connected thereto; Fig. 2 is a perspective view of the binder strip for covering the edge of the attachment; Fig. 3 is a perspective view of the anti-slipping plate; and Fig. 4 is a side elevational view showing a slightly modified form of my device.

Referring more particularly to the drawing, the numeral 1 designates the floor of a barn or the like, 2 the floor of the stalls, 3 the feed trough, 4 the sill, and 5 the gutter to receive the refuse, and these parts are of the usual modern sanitary construction, which are formed integral of concrete. The partitions 6 are embedded in the concrete at suitable distances apart, the partitions being composed of tubular rods of the usual construction, and connected to the rear rod of each partition is my improved attachment 7.

The attachment consists of a vertically disposed plate which is embedded at its lower end in the floor of the stall in longitudinal alinement with the partition 6, and secured over the outer edge of the plate is a binding strip 8 which is U-shaped in cross-section, the strip being secured to the outer edge of the plate by rivets 9. The upper edge of the strip 8 projects slightly above the plate and is connected to the rear rod of the partition by the bolt 10. The body of the plate is formed on both sides of the rod with vertically extending ribs or corrugations 11 against which the feet of the cow are adapted to engage to prevent the feet from slipping transversely on the plate when the animal is bracing itself to arise from a lying position.

The plate 7 above described, is embedded in the floor of the stall in new work, and when the attachment is adapted for connection with the partitions of stalls which are already in use, the lower edge of the plate 7^a is engaged against the floor of the stall as illustrated in Fig. 4 of the drawing, the binder strip 8^a having its lower extremity disposed outwardly at an angle as at 12, for the reception of a bolt 13, by means of which the plate is attached to the floor. The plate in this construction is also provided at its lower end adjacent its inner edge with a clamp 14 for engagement around the rear rod of the partition at its lower end, whereby the plate is rigidly secured in position.

From the foregoing description, taken in connection with the accompanying drawing, it will be seen that I have provided an anti-slipping attachment for stall partitions, which will prevent cows from slipping when arising from a lying position and thereby injuring themselves, or animals in adjoining stalls.

Having thus fully described my invention, what I desire to claim and secure by Letters Patent, is:—

The combination with a stall partition frame, of a vertically disposed anti-slipping plate connected to the outer end of the frame and extending longitudinally therefrom, said plate being provided with vertical corrugations extending the entire length of the plate.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

DAVID J. HOWELL.

Witnesses:
ROBERT L. HOLT,
HELEN COUNSELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."