

(No Model.)

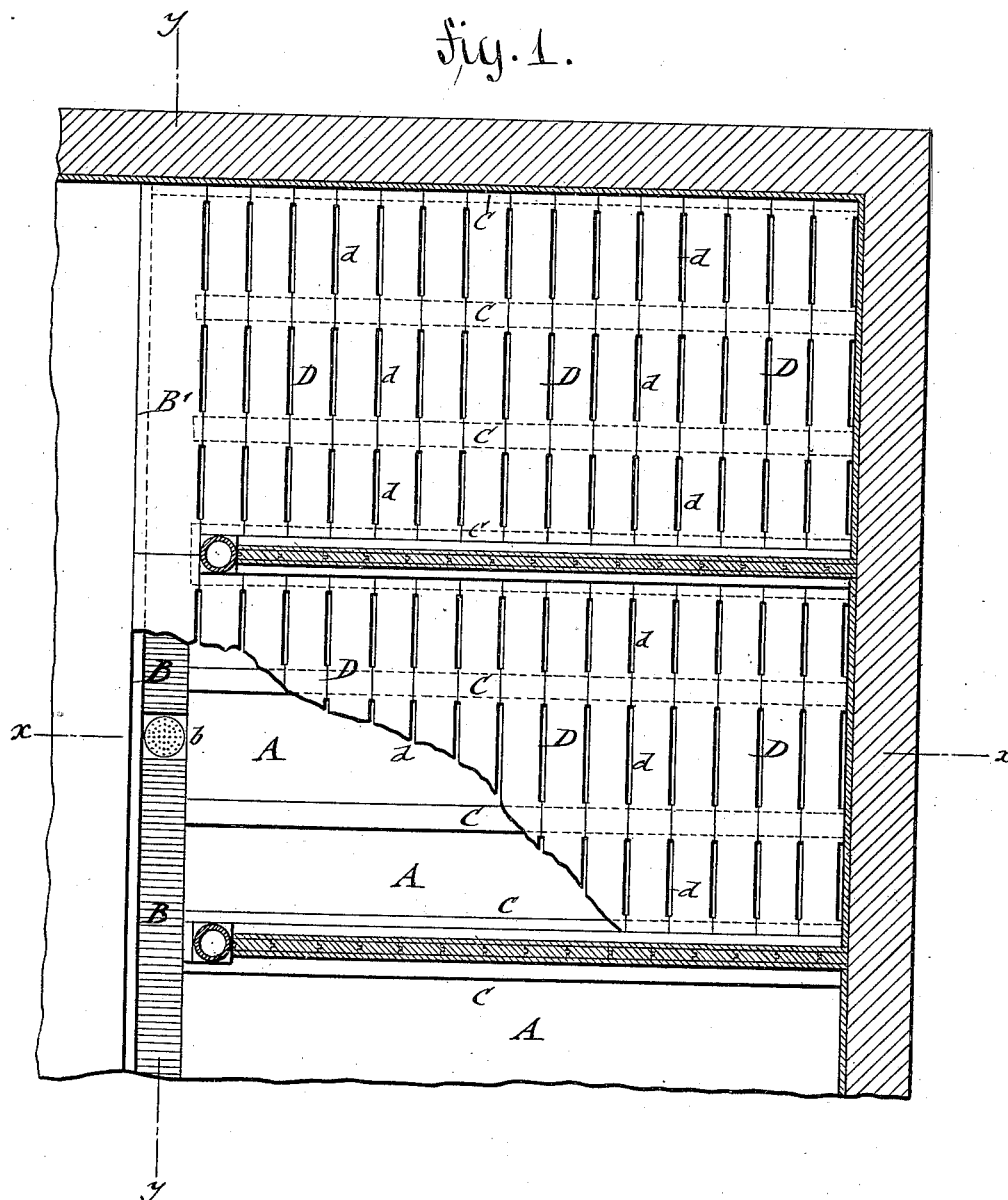
2 Sheets—Sheet 1.

P. KÜHNÉ.

STALL FLOOR.

No. 343,821.

Patented June 15, 1886.



WITNESSES:

For. N. Rosenbaum.
Carl Marx

INVENTOR

Paul Kühné
BY *Joseph Rögner*
ATTORNEYS.

(No Model.)

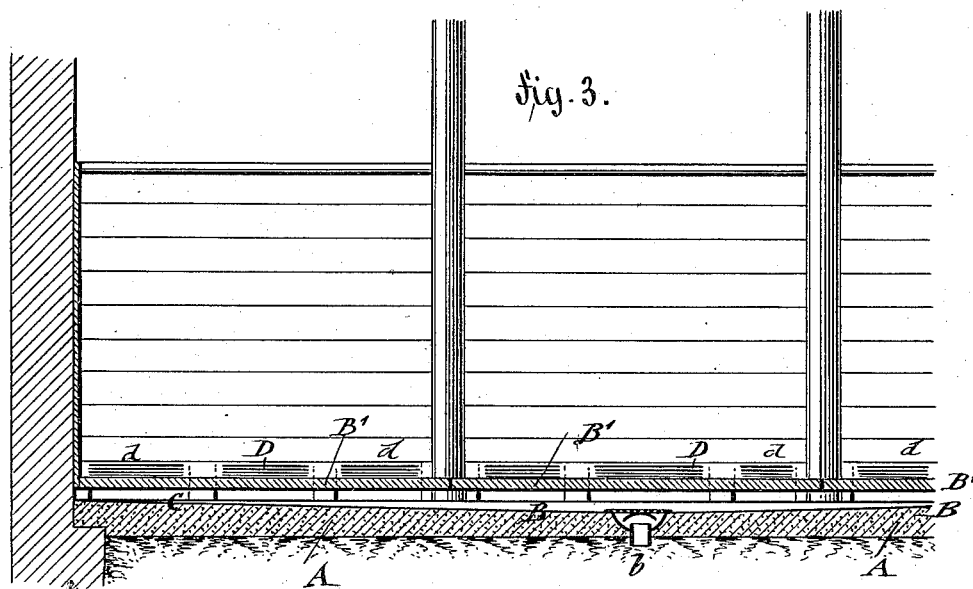
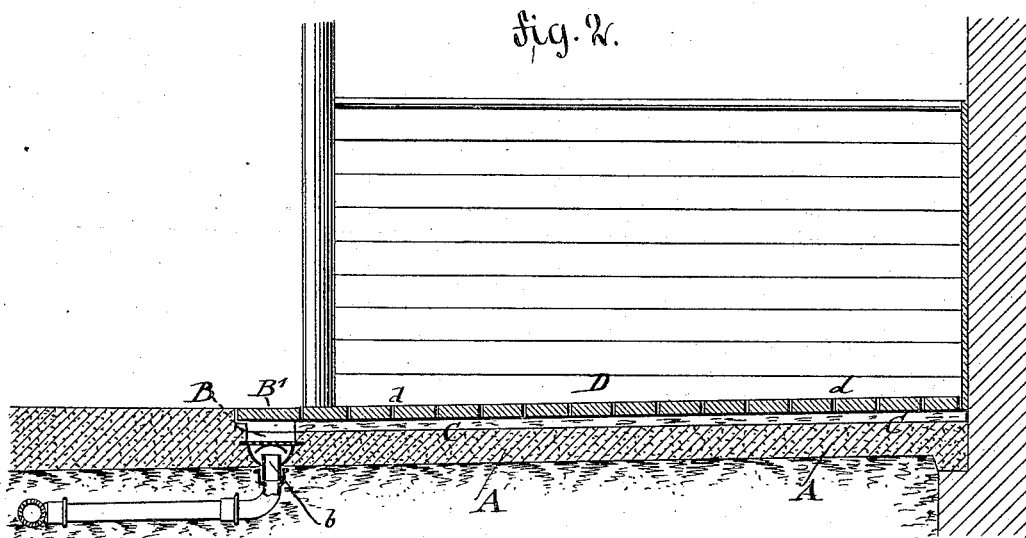
2 Sheets—Sheet 2.

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STALL FLOOR.

No. 343,821.

Patented June 15, 1886.



WITNESSES:

F. H. Rosenbaum.
Carl Kuntz

INVENTOR

Paul Kühne

BY

Georg Raegenauer

ATTORNEYS.

UNITED STATES PATENT OFFICE.

PAUL KÜHNE, OF STAPLETON, NEW YORK.

STALL-FLOOR.

SPECIFICATION forming part of Letters Patent No. 343,821, dated June 15, 1886.

Application filed November 23, 1885. Serial No. 183,596. (No model.)

To all whom it may concern:

Be it known that I, PAUL KÜHNE, of Stapleton, in the county of Richmond and State of New York, have invented certain new and useful Improvements in Stall-Floors, of which the following is a specification.

This invention relates to an improved stall-floor, which can be kept perfectly dry without producing the rotting of the floor-plank, and by which the rising or lying down of the horses is facilitated; and the invention consists of a stall-floor composed of longitudinal sleepers and transverse planks, supported on an inclined cement floor, having an inclined gutter, the transverse planks having openings at the joints between the sleepers.

In the accompanying drawings, Figure 1 represents a plan, with a part broken away, of my improved stall-floor. Figs. 2 and 3 are a vertical longitudinal and a vertical transverse section of the same, taken, respectively, on line *x x* and *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a cement floor, which is arranged at a slight inclination, so as to shed the water toward an inclined gutter, B, at its front edge, which gutter is connected by a screened pipe, *b*, with the cess-pool. On the inclined cement floor are arranged longitudinal sleepers C, four for each stall, on which are supported transverse floor-planks D, that are provided with slots or openings *d d* at the joints intermediately between the sleepers, as shown in Fig. 1. The gutter B is also covered by planks B', so that the stall presents an even surface with the passage-way running along the stall.

The advantages of my improved stall-floor are, that the water is readily drained off, whereby the planks and sleepers are prevented from becoming saturated and rotten, so that the horses have a perfectly dry and clean stall that requires a considerably smaller quantity of straw than the stalls with transverse sleepers and longitudinal planks heretofore in use. The openings at the joints of the transverse planks facilitate the getting up or lying down

of the horses, as the edges of the planks give a hold for the feet. The stall-floor can be readily cleaned by a spray from a hose, which washes out the openings of the planks, the water being drained off quickly by the cement floor and gutter below. The most essential feature of my invention, however, is, that the stall-floor lasts considerably longer than the old style of floors, as the worn-out planks at the rear part of the floor can be exchanged with the planks below the manger, which are but little worn, so that the floor-planks are used up in a more economical and advantageous manner.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of an inclined cement floor, longitudinal sleepers resting on said floor, and transverse planks extending across the sleepers, the edges of said planks abutting against each other over the sleepers and for certain distances beyond the sleepers, said planks being provided with recesses on their adjacent edges from their point of abutment near one sleeper to their point of abutment near another sleeper, said recesses forming separate series of slots between the sleepers, each slot being shorter than the spaces between the sleepers, substantially as described.

2. In a stall, the cement floor A, inclined toward the rear end thereof, and a gutter, B, at the lower end of said floor, in combination with the longitudinal sleepers C, resting on said floor, the transverse planks D, extending across said sleepers, spaces being left between said planks, and the removable plank B', covering said gutter, its upper surface being flush with the floor of the stable and with the upper surface of said planks, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PAUL KÜHNE.

Witnesses:

SIDNEY MANN,
MARTIN PETRY.