

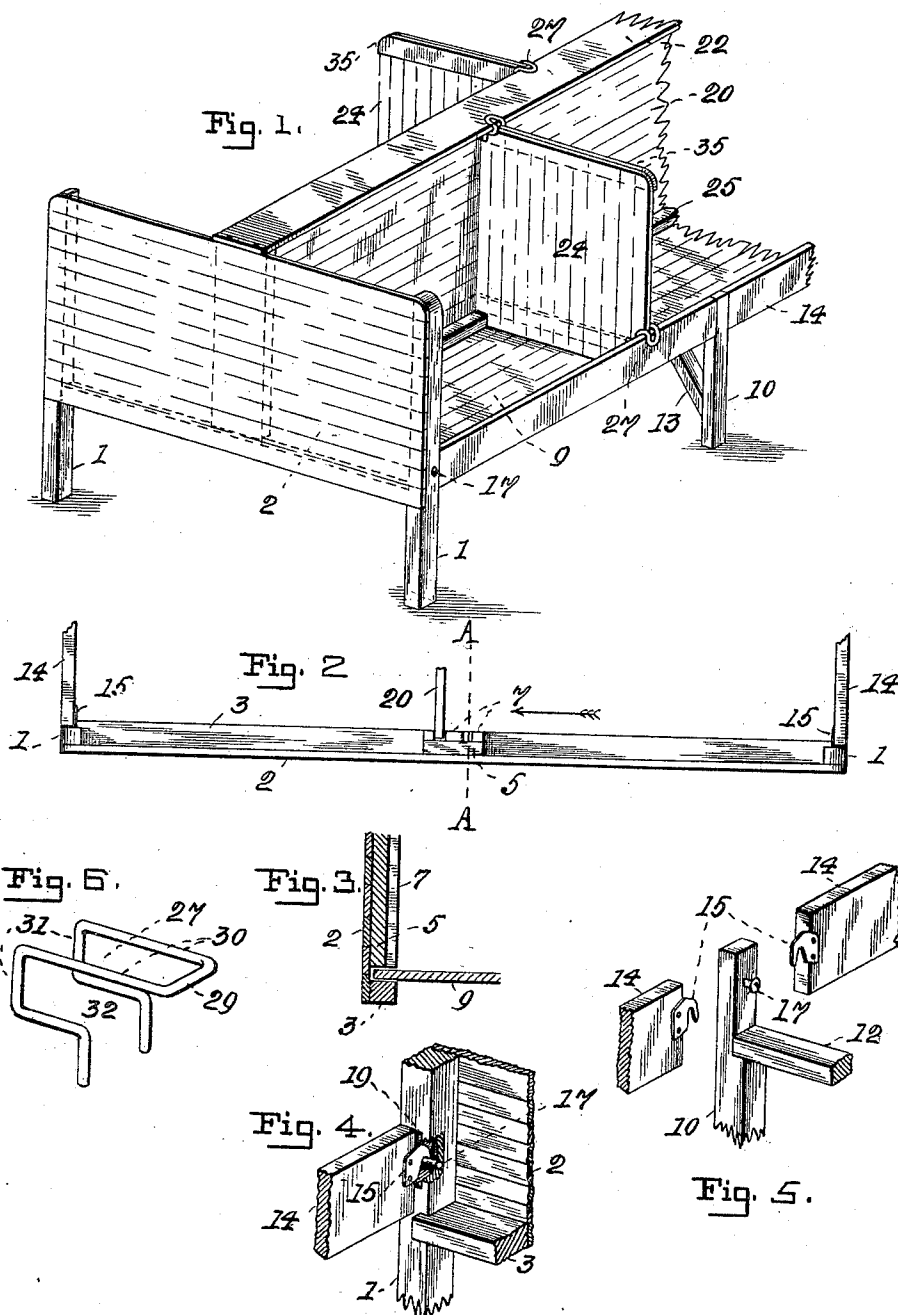
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R. B. HANSELL.
DISPLAY BENCH FOR DOG SHOWS.

(Application filed Apr. 18, 1902.)

(No Model.)



WITNESSES:—

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UNITED STATES PATENT OFFICE.

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DISPLAY-BENCH FOR DOG-SHOWS.

SPECIFICATION forming part of Letters Patent No. 706,316, dated August 5, 1902.

Application filed April 18, 1902. Serial No. 103,569. (No model.)

To all whom it may concern:

Be it known that I, ROBERT B. HANSELL, of the city of Baltimore, and State of Maryland, have invented certain Improvements in Display-Benches for Dog-Shows, of which the following is a specification.

The object of this invention is to obviate the necessity of employing nails and other similar fastenings in the erection of benches used for the display of dogs and other animals at shows; and it consists principally in certain novel fastenings whereby the several parts of the bench are held together in such manner that they may be readily taken apart and again erected, as will hereinafter fully appear.

In the further description of the said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a perspective view of one end of a bench constructed in accordance with the present invention. Fig. 2 is a top view of certain parts of Fig. 1. Fig. 3 is a section of certain parts of Fig. 2, taken on the dotted line A A and looking in the direction indicated by the arrow. Fig. 4 is a perspective view of one corner of the bench with a part thereof torn away to show the interior. Fig. 5 is a perspective view of a portion of the bench, the separable parts thereof being detached to illustrate the means of their connection. Fig. 6 is a perspective view of a spring-clip used to hold parts of the bench together.

Referring now to the drawings, 1 1 are corner-posts, two of which are used in each head of the bench. These posts are connected by the boards 2. The posts 1 are also connected by the horizontal stringers 3, as shown particularly in Figs. 2, 3, and 4, the last named illustrating a corner diagonally opposite to the one shown to the front in Fig. 1. About centrally of and on the inner side of the headboards 2 and beginning a short distance above the stringer 3 is the vertical reinforcing-piece 5, to which the separated strips 7 are fastened. These extend upward to the top of the headboards 2. The floor 9 is supported at its ends by the stringers 3 and immediately by the legs 10, which support the cross-bars 12 and are provided with the diag-

onal brace 13. One of these intermediate supports is shown in Fig. 5.

By reference to Figs. 1 and 5 it will be seen that the leg 10 extends above the floor 9, and this extension is utilized as a means of connection between the rails 14, which abut it, as shown in Fig. 1.

The rails are secured to the extension of the leg 10 by the hooks 15, formed of thin plates, which are fastened to the said boards, and the screw or pin 17, which projects inward from the said leg. The said hooks being in alinement are required to be slightly sprung, so that they will lie side by side when connected to the pin 17.

The hook 15 on the rail which adjoins the post at the end of the bench passes into a mortise 19 in the post, so as to take hold of the pin 17, the pin passing entirely through the post, as shown in Fig. 4.

20 is a longitudinal partition, the ends of which enter any one of the spaces between the strips 7, as shown in Fig. 2. By having several strips 7 and the intervening spaces the relative widths of the floor-spaces at the two sides of the bench may be considerably altered, thereby providing for the convenience of dogs of different sizes, as will be readily understood.

22 is a cap-plate covering the top edge of the longitudinal partition 20, and it is lapped over the boards 2 and nailed to the reinforcing-piece 5. These nails are the only ones necessary in erecting the bench. The said cap-plate practically increases the thickness of the longitudinal partition, upon the edge of which it is laid, and serves to prevent the dogs in stalls separated by the said partition from getting together and injuring each other.

24 24 are removable and adjustable cross-partitions backed by the longitudinal partition and extending to the rail 14. These partitions, which form stalls, are spaced by the loose strips 25 and secured in place by the spring-clips 27, which clamp them to the rail, as shown in Fig. 1. A clip is shown alone in Fig. 6. The clips 27 are also employed to hold the said cross-partitions to the cap-plate, as shown in Fig. 1.

The clip in order to adapt it for the purposes described consists of a single rod bent

to produce the end piece 29, thus forming a staple, the portions 30 of which are straight and parallel and separated a distance which is slightly less than the thickness of the boards used in the construction of the bench, except those forming the cross-partitions, which are thinner. The ends of the rod are then bent down to produce the vertical pieces 31 and then bent back toward the place of beginning, thus forming the space 32, which has a parallel width equal to that of the staple just formed. The ends of the rod are finally bent down at a right angle, as shown in Fig. 6.

The application of the clip is well shown in the drawings and needs no particular description herein.

The cross-partition being formed of boards of one-half the thickness of the others they are strengthened at the top and bottom by the battens 35, which bring them to the full thickness or that required for connection with the spring-clip.

To erect the bench, the several parts thereof being prepared, the heads and the floor are first placed in position and the latter supported by the intermediate legs and their connections. The longitudinal partition and the rails are then put in place and the latter secured by the hooks to the posts and intermediate legs, as described. The cap-plate is then placed over the longitudinal partition and its ends nailed or screwed to the ends of the reinforcing-pieces of the headboards.

The cross-partitions are then set and fastened by means of the clips, the movement of the said partitions where they adjoin the longitudinal partition being prevented by the strips, which are sawed to the required length.

In dismantling the bench the nails holding the cap-plate in place are first drawn, when the various elements of the structure may be taken apart and stored for future use.

I claim as my invention—

In a display-bench for the purpose described, the combination of two heads having suitable supporting legs and stringers at their lower edges, a floor extending between the heads and supported at its ends by the said stringers, a rail at each lateral edge of the floor, a longitudinal partition erected on the floor with its ends adjoining the heads, a cap-plate laid on the edge of the longitudinal partition, vertical cross-partitions which extend between the longitudinal partition and the rails, and a series of removable clips which clamp the rear and front edges of the said partitions to the cap-plate and the rails respectively and adapted to slide thereon in the adjustment of the said cross-partitions longitudinally of the bench, substantially as specified.

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Witnesses:

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