H. F. BEATTY.

SHUFFLE BOARD TABLE.

APPLICATION FILED OCT. 31, 1913.

1,099,419. **Patented June 9, 1914.**

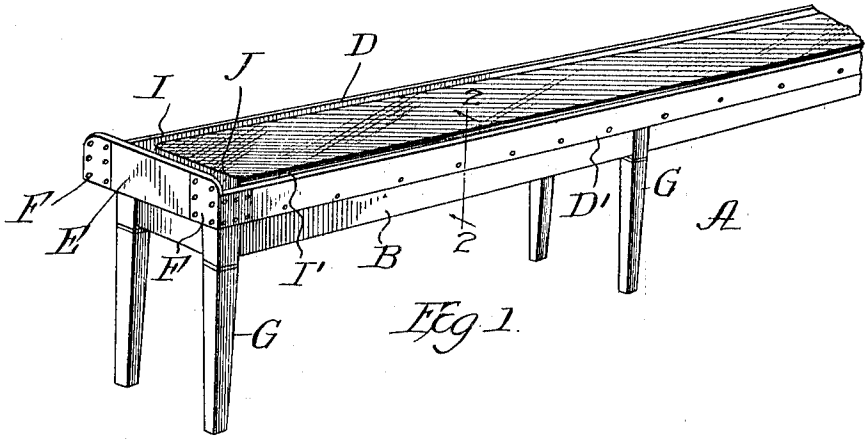


Fig. 1.

Fig. 2.

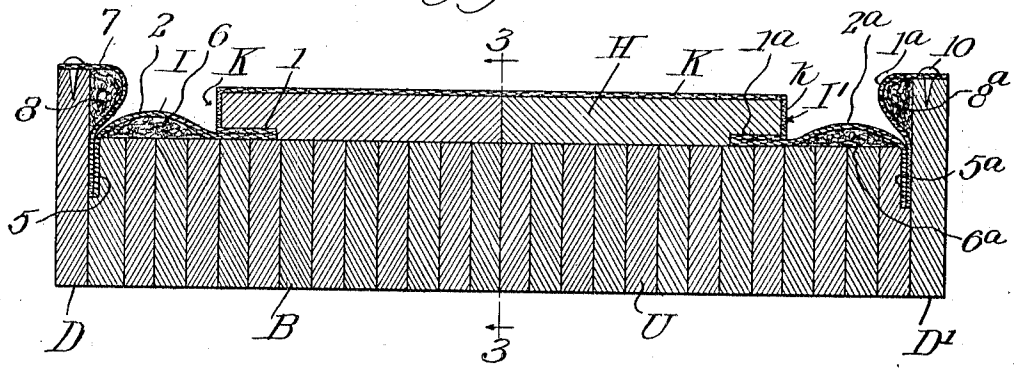
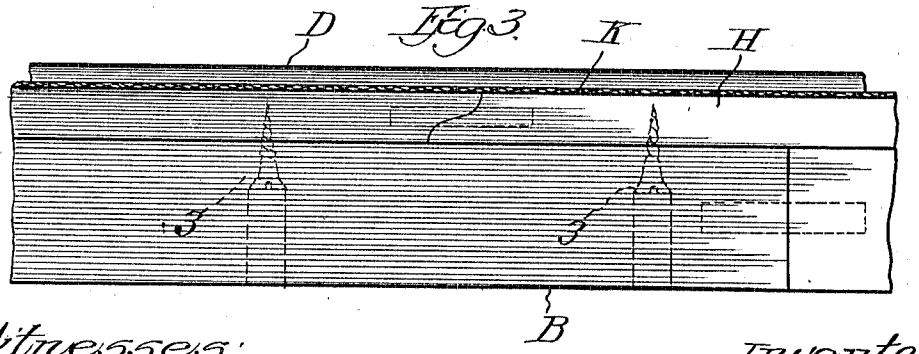


Fig. 3.



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SHUFFLE-BOARD TABLE.

1,099,419. Specification of Letters Patent. Patented June 9, 1914.

Application filed October 31, 1913. Serial No. 798,488.

To all whom it may concern:

Be it known that I, HARRY FRANKLIN BEATTY, a citizen of the United States, and a resident of the city of Muskegon, in the county of Muskegon and State of Michigan, have invented certain new and useful Improvements in Shuffle-Board Tables; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates generally to improvements in shuffle-board tables, and it consists, essentially, in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described and then pointed out in the claims.

In the drawing already referred to, which serves to illustrate my said invention more fully, Figure 1 is a perspective view of a portion of a shuffle-board table embodying my invention. Fig. 2 is a vertical, transverse section in line 2—2 of Fig. 1 on an enlarged scale, and Fig. 3 a longitudinal section of a fragment of the table in line 3—3 of Fig. 2.

Like parts are designated by corresponding characters or symbols of reference in all the figures of the drawing.

One object of my invention is the production of simple and efficient means for properly stretching and fastening in place a fabric top for the playing surface of shuffle board tables; another object is the provision of similar simple and efficient means for fixing in position a fabric cover for certain cushions located in the bottom and sides of the usual gutters surrounding the playing top of such tables.

It is now to be understood that tables of the kind range in length from 12 to 30 feet and upward. They are built in sections at the factory and shipped "knocked down", a skilled operator generally erecting the same at the destination. The placing, stretching, and fixing in place of the fabric top is now a more or less difficult matter by reason of the length of the table, but, by the practice of my invention the same is rendered easy of accomplishment.

To better understand my invention, I now refer to the drawing in which A indicates the table as a whole.

B is the bed, so called, composed of a plurality of strips E of hard wood set on edge and glued together, the top edges of which strips are dressed down to a plane surface the entire width and length of said bed. Along the longitudinal edges of the bed are provided side rails D and D′, which project considerably above the top surface and extend the entire length thereof. At the ends of said bed are end rails E, which rails, however, are somewhat higher than rails D and D′. At the meeting edges of said side and end rails, there are provided metallic angles F for stiffening purposes. Bed B is supported upon suitable legs G as clearly seen in Fig. 1.

Fastened to the plane top surface of the bed B there is a playing top H. This top consists of a truly planed plank of proper thickness and of a width considerably less than the distance between the side rails D and D′ so as to produce gutters I and I′. Said plank is likewise shorter than the bed, so that end gutters J are formed. Said end gutters are in direct communication with the side gutters, so that in reality the playing top H is surrounded by a continuous gutter.

The top face, longitudinal edges, and end edges of the plank constituting the playing top H are covered with a continuous fabric K, which fabric may be canvas, billiard cloth, or similar textile material. On the underside of said plank at the longitudinal edges and along the ends are formed rabbets 1 and 1^a, the depth of which rabbets is just equal to two thicknesses of the covering material K. The functions of these rabbets may now be described as follows:—After the playing top has been prepared to receive the covering material it is turned "upside down." The fabric is rolled into a bolt the length of the top plus the amount required for the ends. Then, just sufficient of the fabric is unrolled to fit into either of the rabbets and it is glued therein, tacks being driven at intervals to afford additional fastening. The top is now rolled over and the fabric unrolled and spread over the entire surface thereof; the corners cut and fitted and lapped into one of the end rabbets and glued therein. The erector now begins at that end to stretch the fabric evenly over the top, lapping the free edge into the op-

posite longitudinal rabbet, gluing and tacking the same as he goes along. When the far end of the top is reached a final longitudinal stretch is given and the end of the fabric is lapped into its end rabbet and there fastened. In this manner perfectly smooth top surface and side and end edges are produced. Next, the operator glues narrow strips of fabric 2 and 2ª into the rabbets 1 and 1ª over the fabric K. Said last named strips are equal in length to the bed B, and there are provided end strips of said fabric at the ends of the playing top, said end and longitudinal strips being fitted together in any suitable manner. The table top H is now in readiness to be fixed to the bed B, which is done by means of screws 3 or other analagous means.

There is formed around the four edges of bed B a continuous rabbet 5 and 5ª, the depth of which rabbet is equal to twice the thickness of the fabric K, 2, or 2ª, for the reception of the free edges of said strips 2 and 2ª after the same have been stretched over cushioning material 6 and 6ª, placed on the top surface of the bed B adjacent and surrounding the playing top H, so as to produce a continuous cushion surrounding the playing top. Glued in position over the free edges of strips 2 and 2ª, in rabbets 5 and 5ª are glued or otherwise fastened additional strips of similar fabric 7 and 7ª which fabric is stretched over cushioning material 3 and 3ª on the side rails D and D′ and end rails E and tacked along the upper edges of side rails D and D′ and end rails E by escutcheon nails 10. Thus it will be seen that a continuous cushioned gutter is formed surrounding the table top H.

The method of assembling the table after the playing top has been fixed in position is now outlined as follows: The erector first locates the required amount of tufted material 6 and 6ª in place and then spreads the fabric 2 and 2ª over the same. Beginning at one end of the table the fabric is now stretched over the tufted material (the latter being tucked back by the fingers wherever necessary) and the free edges glued and tacked in place in rabbets 5 and 5ª. This is continued entirely around the table, after which the strips 7 and 7ª are glued or fixed in place. The side rails D and D′ and end rails E are next fastened to the bed B. After this, the tufted material 8 and 8ª is inserted between fabric 7 and 7ª and rails D, D′ and E, when said fabric is stretched over said tufted material and fastened in position along the top edges of said rails. The great advantage of this construction lies in the fact that the assembler or erector is enabled to independently stretch each individual unit of the fabric covering, insuring a more uniform tension throughout. Again it is possible to produce a much more even cushion because of being able to insert extra tufted material or remove a portion thereof at various points as may be required to produce cushions of uniform height and resiliency the entire length thereof.

While herein I have described the preferred method of practising my invention, I reserve the right to make such changes and alterations as would occur to the skilled mechanic or permitted under the doctrine of mechanical equivalents.

Having thus fully set forth my invention, I claim as new and desire to secure to myself by Letters Patent of the United States:

1. A shuffleboard having the usual bed, raised playing top, surrounding gutters, and side rails; cushioning material in said gutters, other cushioning material along said rails, textile fabric enveloping said playing top and edges and having its ends lapped under said top, additional textile fabric lapped between the ends of said first named fabric and said bed, said fabric enveloping said gutter cushioning material and lapped over the edges of said bed and covered by said rails, and other textile fabric enveloping said cushioning material on said sides.

2. A shuffleboard having the usual bed, raised playing top, surrounding gutters, and side rails; cushioning material in said gutters, said playing top having a continuous rabbet on its underside along the edges thereof, a textile fabric covering said top and its edges, the free ends of said fabric being fastened in said rabbet, the depth of said rabbet being equal to twice the thickness of said textile fabric, additional fabric fastened in said rabbet adapted to be stretched over said cushioning material and fixed to the edges of said bed.

3. A shuffleboard having the usual bed, raised playing top, surrounding gutters, and side rails; cushioning material in said gutters, said playing top having a continuous rabbet on its underside, along the edges thereof, a textile fabric covering said top and its edges, the free ends of said fabric being fastened in said rabbet, the depth of said rabbet being equal to twice the thickness of said textile fabric, additional fabric fastened in said rabbet adapted to be stretched over said cushioning material and fixed to the edges of said bed, there being a continuous vertical rabbet along the edges of the said bed at the upper face thereof, to receive said fabric.

4. A shuffleboard having the usual bed, raised playing top, surrounding gutters, and side rails; cushioning material in said gutters, said playing top having a continuous rabbet on its underside along the edges thereof, a textile fabric covering said top and its edges, the free ends of said fabric being fastened in said rabbet, the depth of said rabbet being equal to twice the thick-

ness of said textile fabric, additional fabric fastened in said rabbet adapted to be stretched over said cushioning material and fixed to the edges of said bed, there being a continuous vertical rabbet along the edges of the said bed at the upper face thereof to receive said fabric, the depth of said rabbet being twice the thickness of said fabric, cushioning material located on the inner face of the side rails, and a textile fabric fixed in said vertical rabbet adapted to be stretched over said cushioning material and fastened along the upper edges of said rails.

In testimony whereof I have set my hand in the presence of two subscribing witnesses.

HARRY FRANKLIN BEATTY.

In the presence of—
F. J. LOEWE,
J. O. MATTESON.

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