

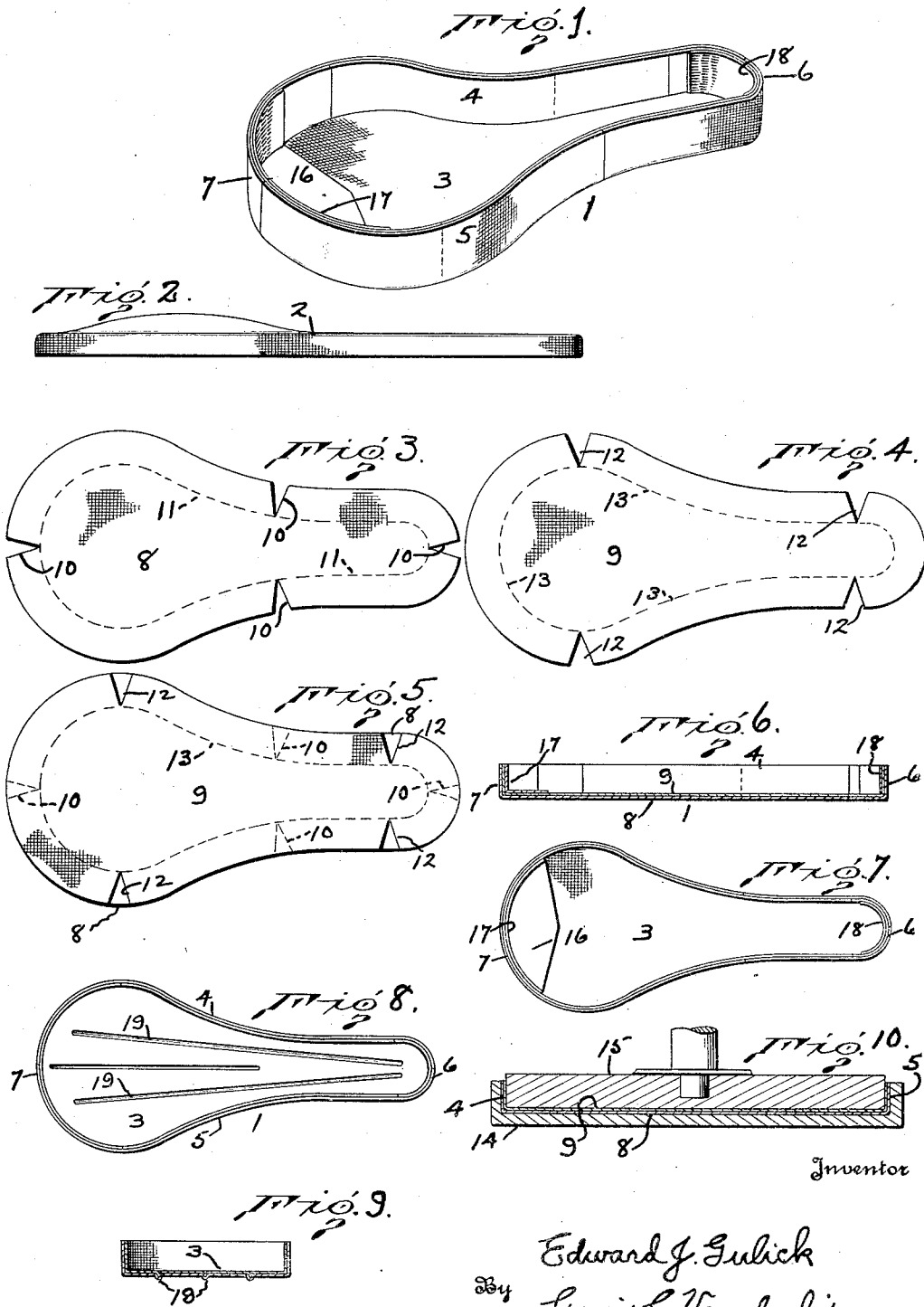
April 26, 1932.

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1,855,232

MUSICAL INSTRUMENT CASE

Filed Feb. 24, 1931



UNITED STATES PATENT OFFICE

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MUSICAL INSTRUMENT CASE

Application filed February 24, 1931. Serial No. 517,901.

This invention relates to containers and especially to musical instrument cases.

The principal object of my invention is to provide a fabric container or case for musical instruments, or the like.

Another object of the invention is to provide a musical instrument case which is formed of loosely woven fabric, such as burlap, and stiffened with sizing.

A third object of the invention is to provide a musical instrument case the body whereof is made of a plurality of layers, or plies, of loosely woven fabric impregnated with sizing and cemented together under pressure.

Still another object of the invention is to provide a multi-ply fabric container or case impregnated with sizing, cemented together under pressure and having notched marginal edges to prevent the formation of ridges or creases in the side walls.

Another object of the invention is to provide a multi-ply fabric container impregnated with sizing, cemented together and deformed into box-like formation under pressure, the interior of the container being reinforced by fabric strips secured thereto.

Other objects of the invention are mentioned and described herein.

The preferred embodiment of my invention is illustrated in the accompanying drawings, wherein

Figure 1 illustrates my improved container or case in perspective;

Fig. 2 shows a side view of a cover therefor;

Fig. 3 illustrates a plan view of one of the rudimentary blank layers or plies of fabric for the container body;

Fig. 4 is a similar view of a second layer of fabric for the container body;

Fig. 5 illustrates the united of the two layers of fabric;

Fig. 6 shows a sectional view of the container body;

Fig. 7 illustrates a plan view thereof;

Fig. 8 illustrates a plan view, similar to Fig. 7, showing reinforcing ribs pressed into the container bottom;

Fig. 9 is a cross-section of the container illustrated in Fig. 8; and

Fig. 10 illustrates the method of shaping the body of the container under pressure in a simple press and mold.

Similar numerals of reference indicate like parts throughout the several views on the drawings.

Referring now to the details of the drawings the numeral 1 indicates the finished container or case, in perspective, and 2 the cover therefor. The case body illustrated in Figure 1 is made and shaped to contain a banjo, or the like, and comprises the bottom 3, the curved, upright side walls 4 and 5, and the curved, upright end walls 6 and 7, said casing end 7 being much larger than the opposite end 6 to provide a substantially pear shaped casing in plan view. The body 1 is made of a plurality of rudimentary layers, or plies, of loosely woven fabric 8 and 9, respectively, such as burlap, or the like, which are similar in size and contour.

The pieces or plies 8 and 9 are impregnated with hot sizing to cement them together and to effect rigidity and desired stiffness thereof when cooled after the formation thereof, under pressure in a suitable press. The ply 8 is provided with a plurality of V shaped notches 10 which extend from its marginal edge inward to the line 11 (dotted) and similarly the layer 9 is provided with a plurality of V shaped notches 12 which extend inwardly to the dotted line 13. The blank 8 has its side wall notches 10 formed intermediate the terminals of the side marginal edges thereof, and its end notches 10 are formed in the end rounded marginal edges thereof. And blank 9 has its notches 12 preferably formed adjacent the junction of the inwardly curved sides with the rounded ends thereof. When the two plies 8 and 9 are placed together in superimposed relation the notches 10 and 12 are disaligned, or out of registration with each other (Fig. 5), and in that position the imaginary lines 11 and 13 are in registration. When the plies 8 and 9 are thus placed together they are laid over a mold 14, which conforms in contour to the shape within the lines 11 and 13 of said

layers, and the descending press 15, of contour similar to the interior of the mold, forms the case or container into the desired shape with upright side walls &c., as illustrated in Fig. 1.

As the press 15 enters the mold and the fabric body, composed of plies 8 and 9, is pressed downward into the mold, the notches 10 and 12 are substantially closed, whereby the formation of ridges or creases in the side walls of the container is wholly prevented. When reenforcing of the container ends is desired a sizing impregnated fabric strip, of burlap or other suitable stock, 16 is introduced into the mold to reenforce the larger end of the container, said reenforcing strip covering a portion of the container bottom and also the inside periphery of the end wall 7 at 17. Similarly, a fabric strip 18 may be cemented to the end wall 6 interiorly thereof to reenforce same. When it is desired to further reenforce the bottom wall 3 a plurality of longitudinal ribs 19 are formed therein under pressure in the mold.

My improved musical instrument case, when constructed as described, is most substantial, and is elongated to accommodate banjos, and the like, and is provided with rounded ends made to different radii which are connected by inwardly curved side walls, both side and end walls being relatively low to provide a comparatively shallow box or casing which is substantially pear shaped in formation.

I claim:

1. An elongated relatively low box or container of the character described and provided with ends of different widths and consisting of a multi-ply piece of flat woven fabric made of fibrous strands impregnated with sizing and provided with a plurality of notches in its marginal edges, said piece of fabric being deformed to provide a bottom wall and upright side and end walls, said end walls being curved, and said notches preventing the formation of creases or ridges in said side and end walls when the latter are angularly deformed from said bottom wall.

2. An elongated relatively low box or container of the character described and provided with rounded ends made to different radii and consisting of a multi-ply piece of flat woven fabric made of fibrous strands impregnated with sizing, each of said plies being elongated in formation with rounded ends made to different radii and provided with a plurality of notches in its marginal edges, said piece of fabric being deformed under pressure to provide a bottom wall and side and end walls of relatively low height, said notches extending substantially to the junction of the side and end walls with the bottom wall and preventing the formation of creases or ridges in said side and end walls when the latter are deformed from the bottom wall.

3. An elongated relatively low box or container of the character described and provided with rounded ends made to different radii and relatively lengthy side walls uniting said rounded ends, said box or container consisting of a multi-ply piece of flat woven fabric made of fibrous strands impregnated with sizing, each of said plies being elongated in formation with rounded ends made to different radii and provided with a plurality of notches in its marginal edges, said piece of fabric being deformed under pressure to provide a bottom wall and side and end walls of relatively low height, said notches extending substantially to the junction of the side and end walls with the bottom wall and preventing the formation of creases or ridges in said side and end walls when the latter are deformed from the bottom wall.

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