July 15, 1947. E. WIDENER 2,423,955

SAND BOX

Filed Nov. 19, 1945

Fig. 2

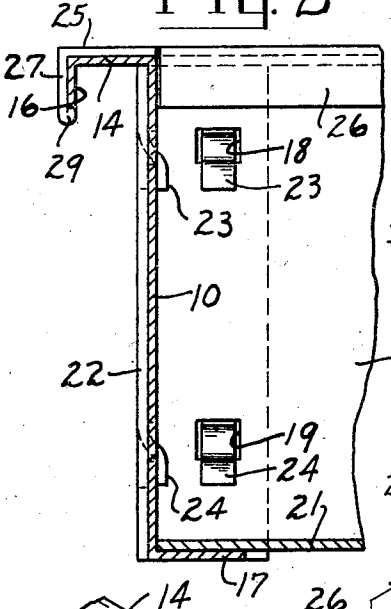
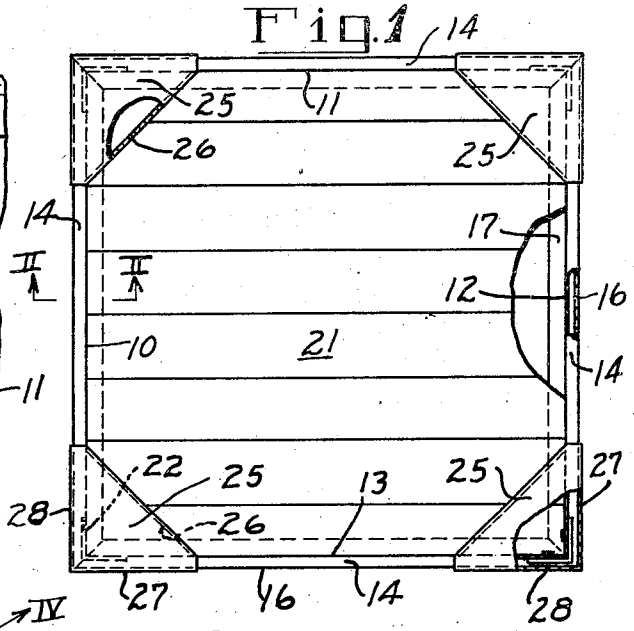


Fig. 1



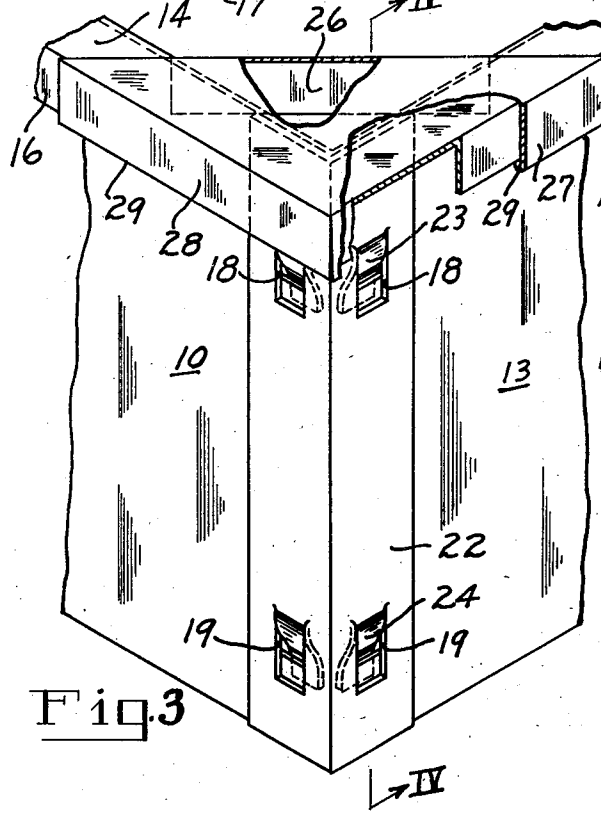
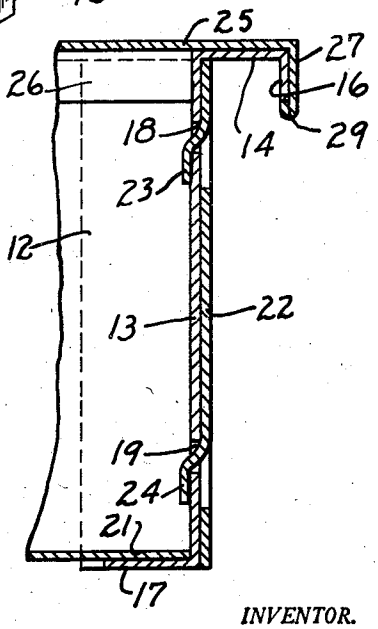


Fig. 3

Fig. 4



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Patented July 15, 1947 2,423,955

UNITED STATES PATENT OFFICE

2,423,955

SAND BOX

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Application November 19, 1945, Serial No. 629,394

3 Claims. (Cl. 272—1)

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This invention relates to toys and playground apparatus, and particularly to a sand box for children and has for an object the provision of an article of the character designated which shall be adapted to be manufactured and shipped knock down and assembled without special tools.

Another object of my invention is to provide a metal sand box formed from shaped metal parts including a bottom and corner seats which shall be adapted to be fitted together and assembled without special tools.

A sand box embodying features of my invention is illustrated in the accompanying drawing, forming a part hereof, in which

Fig. 1 is a plan view;

Fig. 2 is an enlarged sectional view taken along the line II—II of Fig. 1;

Fig. 3 is an isometric view of one of the corners; and

Fig. 4 is a sectional view taken along the line IV—IV of Fig. 3.

Referring now to the drawing for a better understanding of my invention, my improved sand box is rectangular in shape comprising sides 10, 11, 12 and 13. The sides are made of sheet metal and each is provided with an upper outturned flange 14 followed by downturned flange 16. The lower edge is turned inwardly to form a lower flange 17. At each end of each of the sides are provided holes 18 and 19 to receive securing means.

Resting on the lower flanges 17 and extending across the box is a corrugated metal bottom 21. The bottom 21 is cut to fit across the box and rest on the flanges and requires no fastening.

The sides are held together by means of corner angles 22 which are placed on the outside and each of which is provided on each side with a pair of tongues 23 and 24 which are formed by cutting out slots on three sides and bending the resultant tongues inward. The tongues 23 and 24 fit into the holes 18 and 19 in the sides and are bent downwardly to hold the sides in place as shown more particularly in Fig. 4 of the drawing.

At each of the corners is a triangular seat 25, each of which is provided with an inner downturned flange 26 which spans the corners of the box as shown in the drawing, and which holds the seat against slipping outwardly, by engaging the adjacent sides of the box. Each of the seats is provided with outer, downturned flanges 27 and 28 which fit over the downturned flanges 16 extending along the sides of the box. Also, each of the downturned flanges 27 and 28 is bent back upon itself as shown at 29 so that when it is

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placed on the box the bent under portion 29 snaps, or springs under the downturned flange 16 of the sides, the under portion lying in the same plane as the flange 16. The corner seats 25, constructed as just described, are thus seen to provide substantial bracing for the sides of the box and when once placed in position on the corners of the box can only be removed by the exercise of force by prying.

It will be seen that my improved sand box, constructed as described, may have the separate parts formed to shape in any suitable manner known to the art and be packaged and shipped without assembling, to be assembled by the user when received. The only tool required is something to bend down the tongues 23 and 24 on the angles after they are placed in the holes 18 and 19 in the ends of the sides. It will thus be seen that I have provided a child's sand box which is simple of design, readily assembled, and one which will withstand hard usage.

While I have shown my invention in but one form, it will be obvious to those skilled in the art that it is not so limited, but is susceptible of various changes and modifications, without departing from the spirit thereof, and I desire, therefore, that only such limitations shall be placed thereupon as are specifically set forth in the appended claims.

What I claim is:

1. A metal sand box comprising sheet metal sides with lower inturned flanges, a metal bottom resting on the lower flanges, structural angles at the corners for holding the sides together, tongues on the structural angles extending through the sides and bent over to join the sides to the angles, and a triangular seat at the corner of the box formed of sheet metal with an inner downturned flange having the ends bearing against the adjacent sides of the box, and an outer downturned flange fitting snugly over the sides of the box.

2. A sand box comprising sheet metal sides, an upper outturned flange bent downwardly along its outer edge to form a downturned flange, a lower inturned flange along the lower edge of each side, a metal bottom resting on the lower flanges of the sides, supporting means at the corners comprising structural angles fitting on the outside of the corners and each having a plurality of tongues cut out therefrom and extending through the sides and bent over to join the angles to the sides, a triangular seat at each corner of the box, a downturned flange on each seat extending across the corner and having its ends

bearing against the sides of the box, and downturned flanges along the sides of the seat fitting over the downturned flanges of the sides of the box.

3. A sand box as defined in claim 2 in which the downturned flanges on the seat are each provided with an upturned edge adapted to spring under the downturned flange on the side to hold the seat in place.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
238,417	Miller	Mar. 1, 1881
1,865,810	Albach	July 5, 1932