Nov. 7, 1933. C. M. SCHERER 1,933,602

COMPANION STOOL

Filed July 13, 1931 2 Sheets-Sheet 1

Fig. 1.

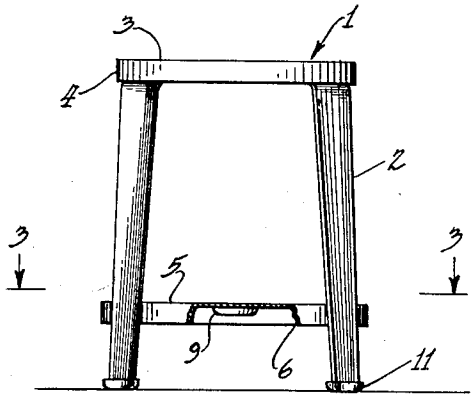
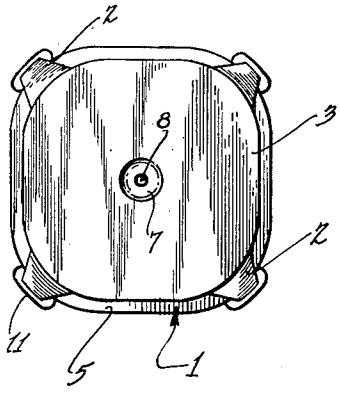


Fig. 2.



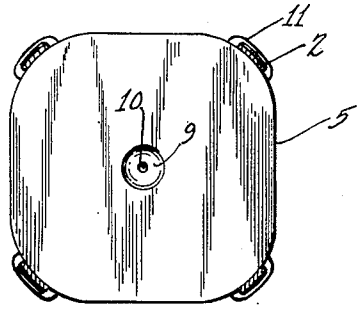


Fig. 3.

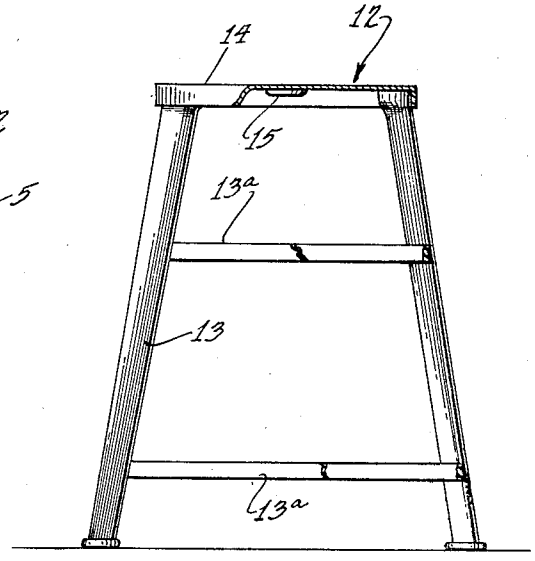


Fig. 4.

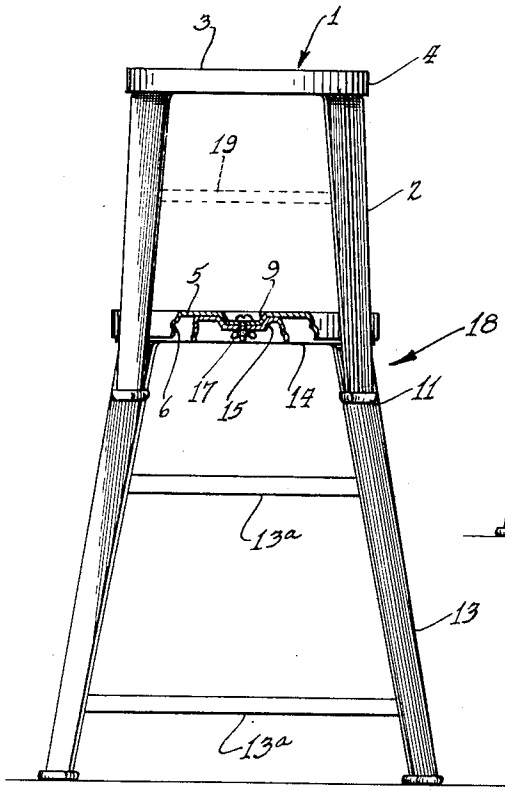
INVENTOR
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Fig. 5.



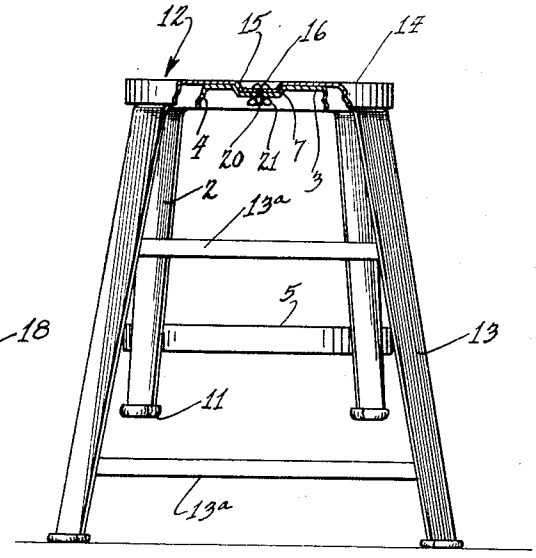


Fig. 6.

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COMPANION STOOL

Charles M. Scherer, Chicago, Ill.

Application July 13, 1931. Serial No. 550,569

4 Claims. (Cl. 155—42)

My invention relates to improvements in companion stools, and it consists in the combinations, constructions, and arrangements herein described and claimed.

An object of my invention is to provide a plurality of companion stools adaptable for connection together for the purpose of providing a ladder.

A further object is the provision of a pair of companion stools, one of which is adapted to be connected to the other in a manner adapted to provide a seat higher than either of the companion stools.

A further object is the provision of two or more rigid stools, each of which may be used either as an ordinary stool or as a part of a ladder.

A further object is to provide rigid stools having means whereby the stools may be secured together for the purpose of conserving floor and cubical space.

A further object is the provision of companion stools adapted to form rigidly connected elements of a ladder or elevated platform.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which

Figure 1 is a front elevational view of one form of my invention,

Figure 2 is a top plan view of the device shown in Figure 1,

Figure 3 is a section taken along the line 3—3 of Figure 1,

Figure 4 is a front elevational view, partly in section, of a stool adapted for connection with the stool shown in Figure 1,

Figure 5 is a front elevational view showing the stools of Figure 1 and Figure 4 rigidly connected together for the purpose of providing an elevated platform or ladder, and

Figure 6 is a front elevation showing the shorter stool nested inside the larger stool and rigidly connected thereto.

In carrying out my invention, I make use of a stool 1 which may consist of a plurality of outwardly extending legs 2, a seat member 3 having a downwardly extending rim portion 4 integral therewith, and a transverse bracing member or plate 5 which is similarly provided with a rim portion 6. The above-named parts of the stool 1 may be made of metal and may be welded or otherwise fixedly secured together.

The seat member 3 is provided with a centrally depressed portion having an aperture 8. The bracing member 5 may be similar in shape to the seat member 3. It is, however, larger in corresponding horizontal dimensions than said seat 3 and is adapted to permit a seat member similar in shape and size to the seat member 3 to be nested within it, see Figure 5, for purposes hereinafter disclosed.

The bracing member 5 is provided with a depressed portion 9 and an aperture 10, in order that the bracing member 5 and the seat member 3 may be operatively connected together through the openings 8 and 10 substantially as shown.

In Figure 4 I have shown another form of my invention which may be associated with the stool 1. This form comprises a stool 12 having legs 13, cross pieces 13*a*, and a seat member 14 which may be similar in shape to the seat member 3. The seat member 14 is, however, made larger than the member 3 and smaller than the brace member in order that the stools 1 and 12 may be connected together as shown in Figures 5 and 6. The above mentioned parts of the stool 12 may be made of the same material as the stool 1 and may be secured together in a similar manner. The seat member 14 is provided with a depressed portion 15 and an aperture 16 similar to the depressed portion 7 and the opening 8 of the seat member 1.

As may be readily understood by referring to Figure 5, the seat member 14 may be received beneath the bracing member 5 of the stool 1. The stools 1 and 12 may be secured together by any suitable means, such as, for instance, a bolt and wing nut 17 in a manner adapted to form a ladder 18. Another stool of the same type as the stool 1 may be secured to the top of the ladder 18 to form a stool or ladder having a greater height.

In Figure 6 I have shown the stool 1 nested within the stool 12 and connected together by a bolt 20 and a wing nut 21. The head of the bolt 20 may be round and slotted and is preferably of such a size that it does not extend above the upper surface of the bracing member 5.

As is clearly shown in Figures 5 and 6, the width of the bracing member 5 is greater than that of the seat member 14, which in turn is of greater width than the seat member 3. The depressed portions 7, 9 and 15 are provided so that the members may be operatively connected by the bolt means 17 in such a manner that the top portion of the bolt will not interfere with the proper use of the seat.

It is obvious that any reasonable number of stools 1 may be connected together to form a ladder. The seat member 1 of each lower stool is readily receivable underneath the bracing member 5 of the adjacent superimposed stool.

I claim:

1. A pair of companion stools, each comprising a seat and supporting legs, the relative dimensions of said seats and the spacing of said legs being such that one of said stools can be nested between the legs of the second stool with said seats in contact, said first stool being provided with a transverse bracing member secured to the legs intermediate the ends thereof, the spacing of the legs of said first stool beneath said bracing member being sufficient to enable said stool to slide downwardly over the seat of said second stool until said bracing member contacts with the seat of said second stool, and detachable means for securing the seat of said second stool to the seat of said first stool or to said bracing member when said stools are in either the first or second named relative positions respectively.

2. A pair of companion stools each comprising a seat and a plurality of supporting legs, one of said stools having a transverse bracing member secured to the legs intermediate the ends thereof, the horizontal dimensions of said bracing member being greater than the corresponding dimensions of the seat of said second stool, said bracing member having a depending rim, the portions of the legs of said first stool below said bracing member being spaced apart sufficiently to enable the same to be moved downwardly over the seat of said second stool to cause said bracing member and rim to nest over the seat of said second stool, and means for detachably securing said bracing member and seat together to form a rigid unit of said stools.

3. A pair of companion stools each having a seat and a plurality of supporting legs, one of said stools having a transversely disposed bracing member secured to each of the legs intermediate the ends thereof, the portions of said legs beneath said bracing member being spaced apart sufficiently to enable the same to be moved downwardly over the upper end of said second stool until said bracing member contacts with the seat of the second stool, said bracing member having a projecting portion on its lower surface, said seat of said second stool having a recess in its upper surface registering with said projecting portion of said bracing member for receiving the same, and means for securing said bracing member and seat in contacting relation to form a rigid structure.

4. A pair of companion stools each comprising a seat and a plurality of depending legs, the legs of one stool being shorter and the seat thereof being smaller in corresponding horizontal dimensions than the seat of the second stool whereby said first stool can be positioned entirely within the space defined by the seat and the legs of said second stool with the seats thereof in contact, said first stool having a transverse bracing member secured to the legs thereof intermediate their ends, said legs of said first stool below said bracing member being spaced apart sufficiently whereby said first stool can be moved downwardly over the upper end of the second stool until said bracing member contacts with the seat of said second stool, and means for detachably securing the seat of said second stool to the seat of said first stool or to said bracing member when said stools are in the first or second mentioned relative positions respectively.

CHARLES M. SCHERER.