Jan. 23, 1923.

1,443,067

J. T. BOWER.

COMBINED SPACE ECONOMIZING METALLIC FURNITURE.

FILED OCT. 24, 1921

2 SHEETS-SHEET 1

Fig. 1.

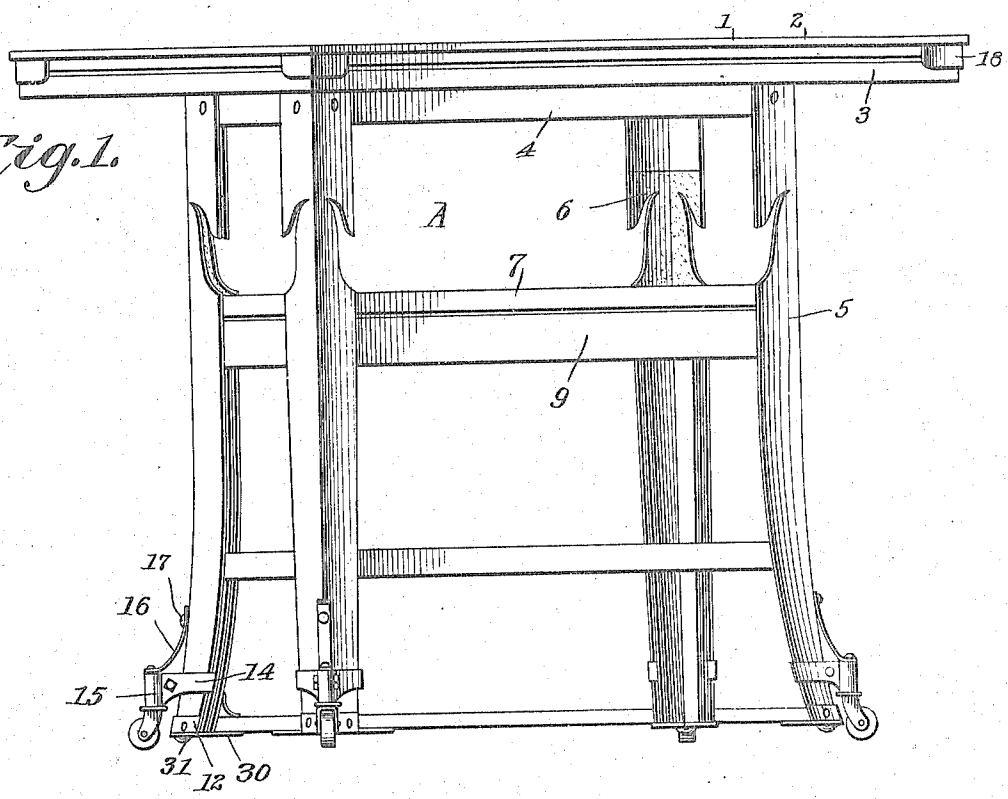


Fig. 2.

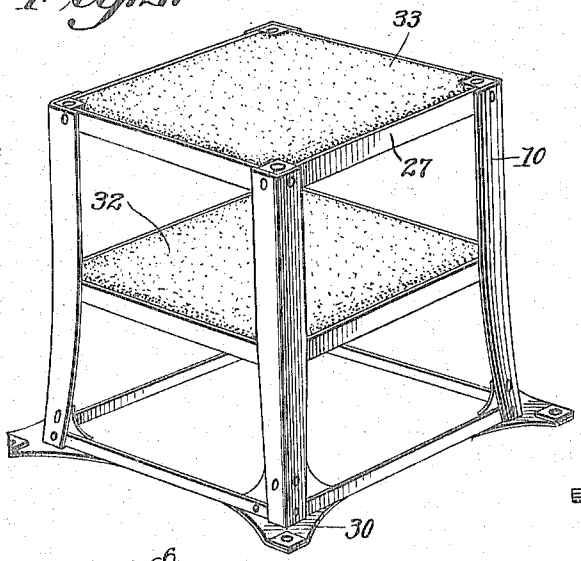
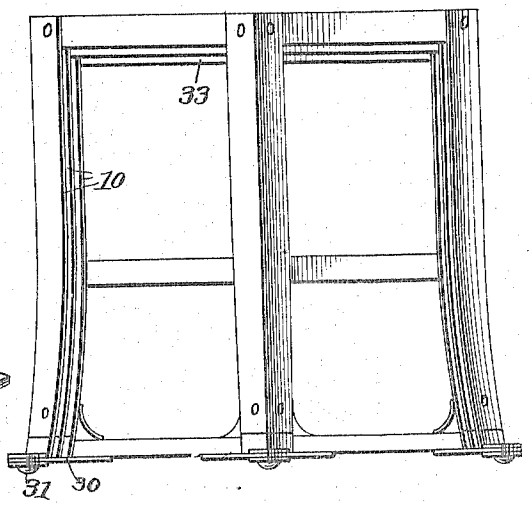


Fig. 3.



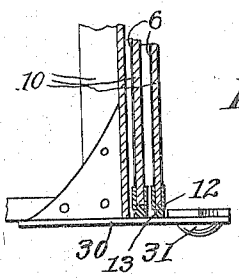


Fig. 7.

Inventor

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2 SHEETS-SHEET 2

Fig. 4.

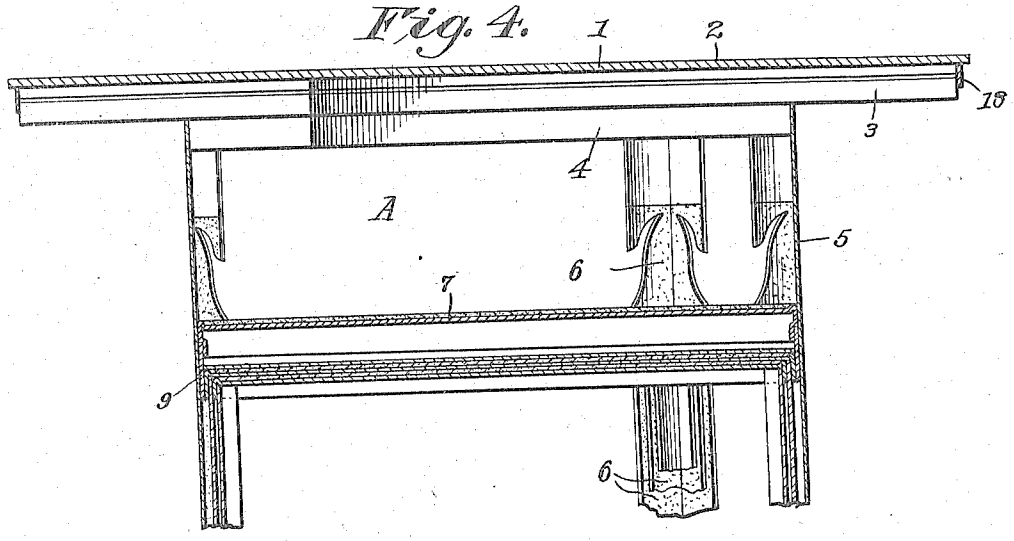


Fig. 5.

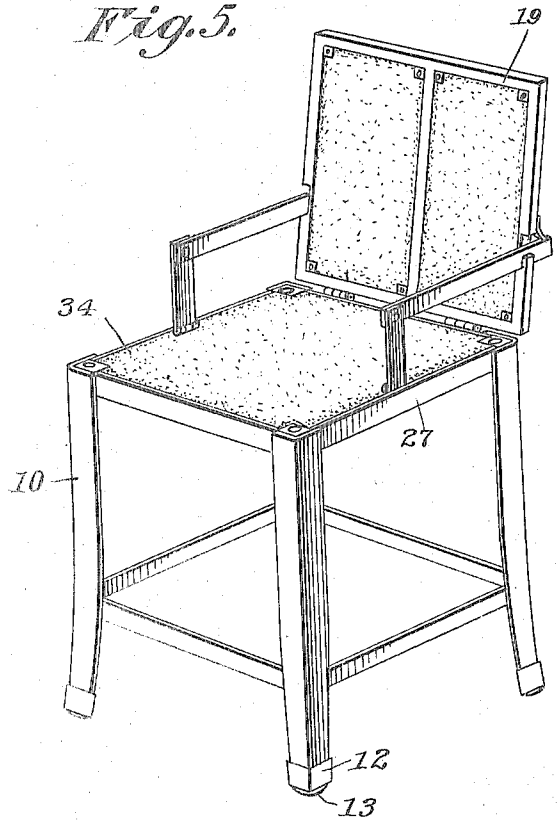
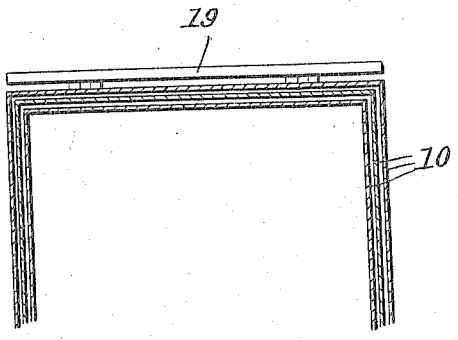


Fig. 6.



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Patented Jan. 23, 1923.

UNITED STATES PATENT OFFICE.

JOHN THOMPSON BOWER, OF GREENCASTLE, INDIANA.

COMBINED SPACE-ECONOMIZING METALLIC FURNITURE.

Application filed October 24, 1921. Serial No. 510,072.

To all whom it may concern:

Be it known that I, JOHN THOMPSON BOWER, a citizen of the United States, residing at Greencastle, in the county of Putnam and State of Indiana, have invented a new and useful Combined Space-Economizing Metallic Furniture, of which the following is a specification.

The present invention appertains to improvements in space economizing metallic furniture.

An object of the invention is to provide combined space economizing metallic furniture so designed as to admit of so combining a table, chair or chairs and stools as to occupy, when not in use, the space of the table alone.

Another object of the invention is to provide combined space economizing metallic furniture of such construction as to secure the requisite strength with the least weight of material.

Still another object of the invention is to provide space economizing metallic furniture combining neatness of appearance with facility of use.

A further object of the invention is to provide combined space economizing metallic furniture the cost of which is not an obstacle to its use.

With the above and other objects in view that will appear as the description proceeds the invention resides in the combination and arrangement of parts and in the details of construction described and claimed, it being understood that changes in the precise embodiment can be made without departing from its spirit as hereinafter described claimed and illustrated in the accompanying drawings in which:

Figure 1 is a perspective view of a table constructed in accordance with this invention and having a plurality of articles of furniture nested within it.

Figure 2 is a perspective view of the smallest or innermost stool, illustrating the arrangement of the feet upon which the legs of other nested chairs or stools rest.

Figure 3 is an elevation showing a plurality of nested stools.

Figure 4 is a vertical sectional view through the table, parts being arranged as shown in Figure 1.

Figure 5 is a perspective view of a foldable chair adapted to be nested within the table.

Figure 6 is a vertical sectional view illustrating the manner of nesting the stools or chairs.

Figure 7 is a detail vertical sectional view, illustrating the arrangement of the nested legs.

Reference is made to the accompanying drawings by similar characters throughout the several views. A denotes in general my combined space economizing metallic furniture with the members assembled as illustrated in Figures 1 and 4, which consists preferably of a table 1 which has a removable imitation leather top 2 which is retained in its required position on the metal top 3 by the brass corners 18. The top 3 rests on the metal plates 4 to which the upper ends of the legs 5 are secured; strips of tape 6 are secured to the inner portion of the legs of the number except the inside or smallest stool, for the purpose of preventing noise and marring the outside of the legs in assembling the members or units of the metallic furniture. Metal plates or bars 9 on which the bottom of the secret receptacle 7 rests, are secured to the legs 5, the purposes being to retain the legs 5 in their necessary spaced relation to each other. The secret receptacle 7 is a shallow, square pan having a thin, flat, leather covered, metal lid. Said pan and lid "having the appearance of a shelf" give the table the appearance of having no receptacle there. Said receptacle is sufficient in size to contain table cloth and napkins.

The legs 10 of the chairs and stools are secured to the cross plates 27. Said plates are the four sides of an inverted pan which forms the seat. Cross bars 11 are secured to the lower portion of the legs making them rigid. Cross bars 11 of the smallest stool 33 support a shallow, square pan shaped receptacle 32. Said receptacle with thin flat lid has the appearance of a shelf, hence secret.

Brass plates are secured to the inner and outer sides of the lower end of legs 5 and 10. Said plates extend below the end of leg and form a slot for the insertion of rubber cushions to prevent defacing floor. Castors are secured to the table legs 5 by the clamps 14, which are provided with castor sockets, said clamp is bent at the ends to engage the edges and sides of the legs 5. Clamp 14 and its brace 16 are further secured to leg by the bolt 15 and screw 17.

Chair back 19 is made of sheet steel or

aluminium. The perpendicular edges are bent at right angle giving it stiffness vertically. Back 19 is foldably attached to seat and held upright by folding arms. The smallest stool 33 has projecting feet 30 on which the rubber cushioned feet of the other stools and chairs rest when assembled. The feet 30 of stool 33 have castors 31, providing easy movement of the entire assemblage.

Backs similar to the back 19 may be secured to other than the outside or largest seat, the backs 19 being folded down on the seat in assembling the space economizing metallic furniture.

The combined space economizing metallic furniture is preferably made of sheet aluminum or steel, the legs being of right angular, horizontal cross section, thus securing the strongest construction with the least weight of material, and with relatively a small difference in the lateral dimensions and height of the stools and chairs, thereby providing for assembling a number of members inside of the largest or outside chair. It is obvious that if a thicker or different material were used it would not be possible to assemble the number of chairs and stools that might be desired without too greatly reducing the size of the inner members.

From the foregoing disclosures it will be manifest that combined space economizing metallic furniture is provided which fulfills all the requirements thereof.

What I claim and desire to secure by Letters Patent is:

1. In space economizing furniture the combination of a table comprising a top, legs supporting the top, plates connecting the legs intermediate of the ends thereof and extending around the table, a receptacle arranged within the legs of the table and closing the space at the upper edges of the said plates, and a plurality of nested articles of furniture having legs connected at the top, said nested articles of furniture being arranged within the legs of the table and having their upper portions concealed within the space enclosed by the said plates beneath the said receptacle.

2. In space economizing furniture the combination of a table comprising a top, legs supporting the top, plates connecting the legs intermediate of the ends thereof and extending around the table, a receptacle arranged within the legs of the table and closing the space at the upper edges of the said plates, and a plurality of nested articles of furniture having legs connected at the top, said nested articles of furniture being arranged within the legs of the table and having their upper portions concealed within the space enclosed by the said plates beneath the said receptacle, and including a stool and a chair carried by the stool and provided with a hinged back and arms foldable inwardly over the seat of the chair.

3. In space economizing furniture the combination of a table comprising a top, legs supporting the top, plates connecting the legs intermediate of the ends thereof and extending around the table, a receptacle arranged within the legs of the table and closing the space at the upper edges of the said plates, and a plurality of nested articles of furniture having legs connected at the top, said nested articles of furniture being arranged within the legs of the table and having their upper portions concealed within the space enclosed by the said plates beneath the said receptacle, the innermost nested article being provided at the lower ends of its legs with outwardly extending supporting plates receiving other nested legs and supporting the same.

4. In space economizing furniture the combination of a table having legs and clamps secured to the legs and extending outwardly therefrom and provided with rollers, braces extending upwardly from the clamps and secured to the legs, and a plurality of nested articles of furniture having legs nested within the legs of the tables, the innermost article of furniture being provided at the lower ends of its legs with outwardly extending supporting plates receiving other nested legs.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN THOMPSON BOWER.

Witnesses:

SAMUEL P. FORCUM,
ROBERT L. GARRETT.