

S. A. BROCKWAY.
 CONVERTIBLE TOY.
 APPLICATION FILED MAR. 3, 1920.

1,348,262.

Patented Aug. 3, 1920.
 3 SHEETS—SHEET 1.

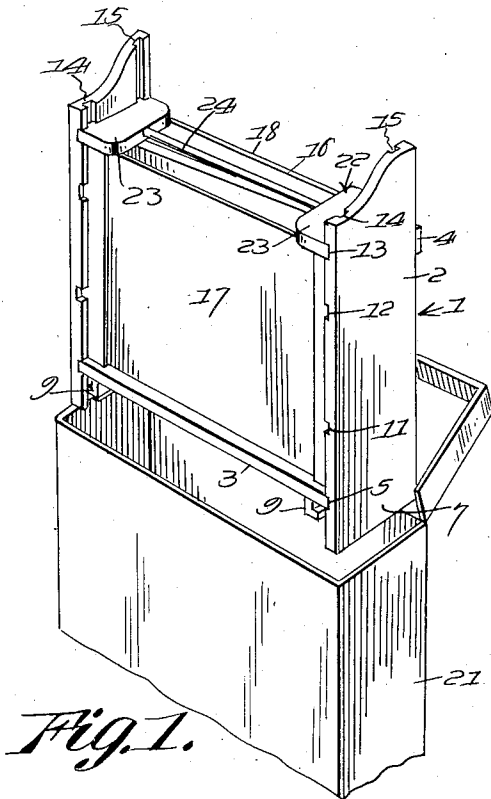


Fig. 2.

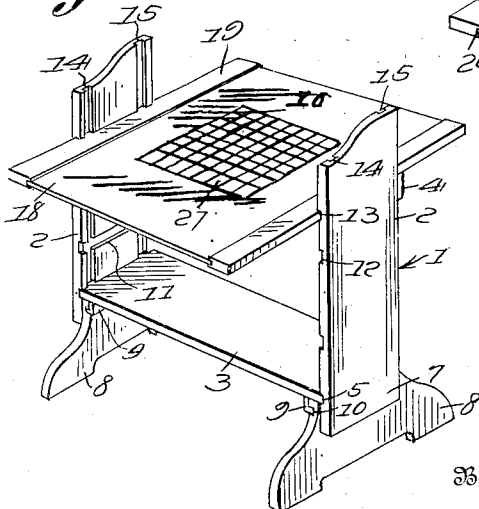
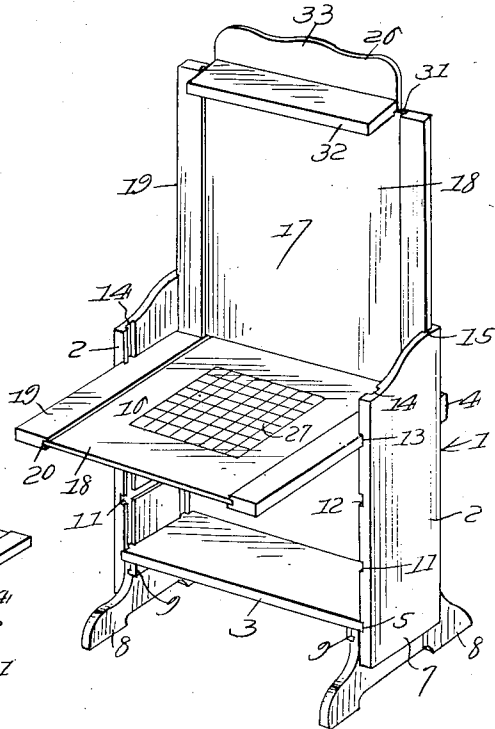


Fig. 3.



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Fig. 4

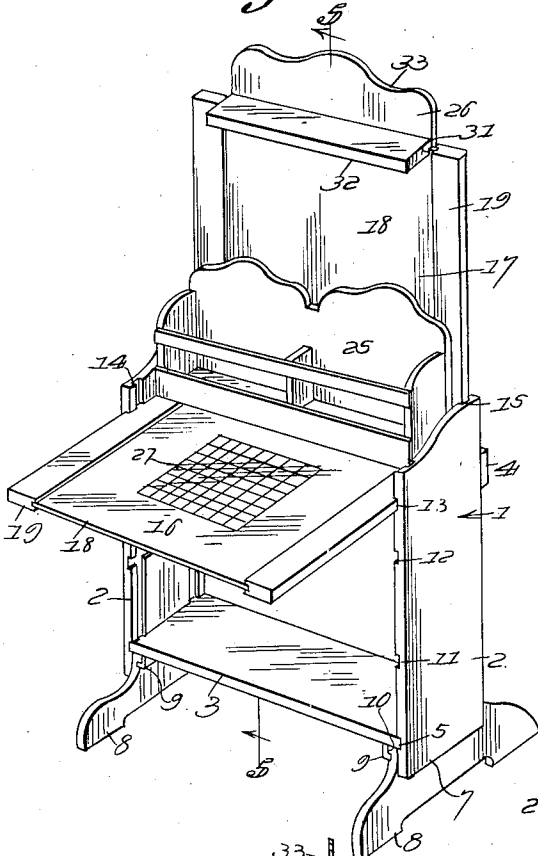


Fig. 6

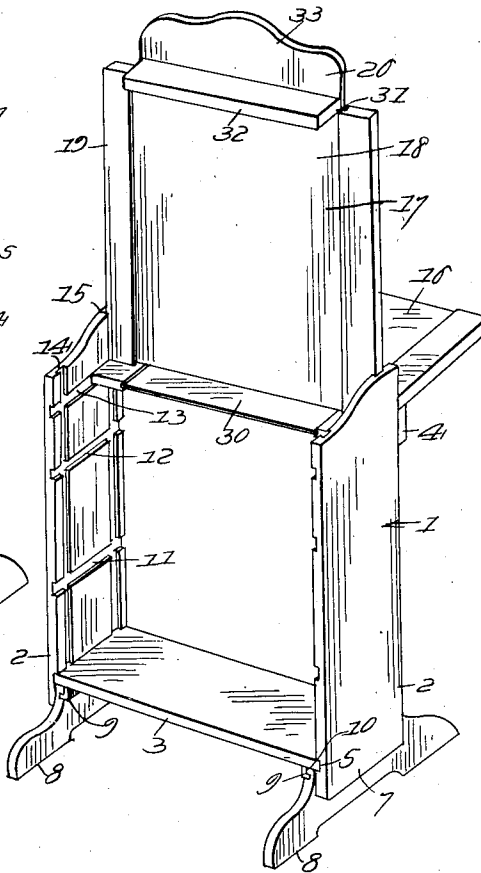
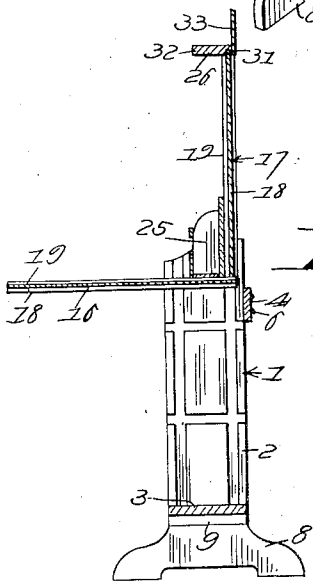


Fig. 5



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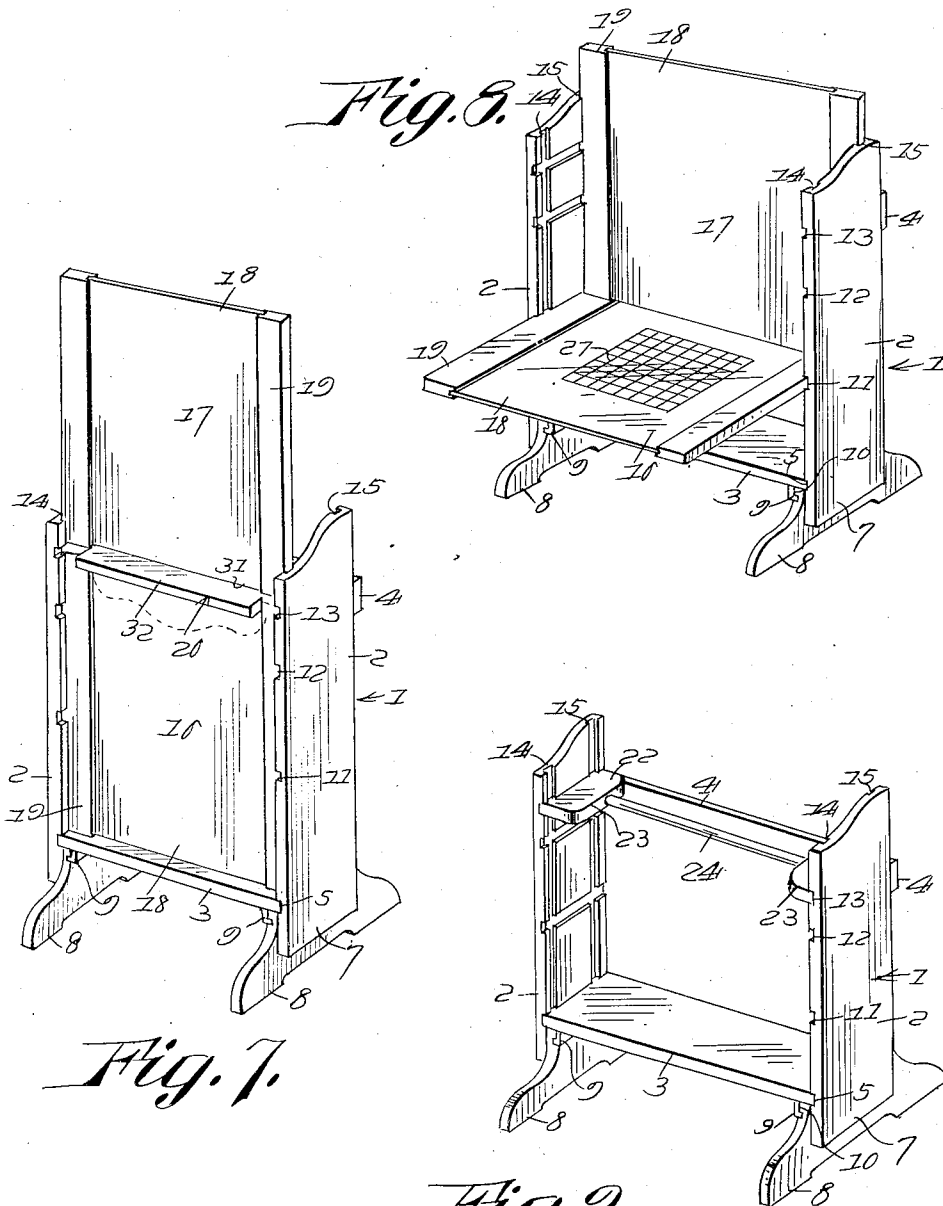


Fig. 9.
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CONVERTIBLE TOY.

1,348,262.

Specification of Letters Patent.

Patented Aug. 3, 1920.

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To all whom it may concern:

Be it known that I, SCOTT A. BROCKWAY, a citizen of the United States, residing at Laurel, in the county of Cedar and State of Nebraska, have invented certain new and useful Improvements in Convertible Toys, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to the art of toys, and particularly to the convertible kind, wherein the parts are changeable to various positions, or one part substituted for another and vice versa, and so on whereby
15 various articles of toy furniture may be constructed.

Primarily, the invention aims to provide a toy of this kind, which is simple and practical in construction, consisting of very few parts, and capable of being very cheaply made, the result being that the entire toy can be sold at a very reasonable profit.

Another object involves a toy which can be very easily knocked down and taken
25 apart, and then arranged in a compact form, the main support of the toy acting as a frame of a boxing, while certain parts of the toy act as the sides so as to receive the other parts. The whole in this compact
30 form is capable of being carried in a suitable case, such as illustrated in the drawings, so that the toy can be either stored away or be carried from one place to another very easily and conveniently.

35 While the design and construction at present illustrated and set forth is deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible to changes, and
40 the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

50 Figure 1 is a view in perspective of the parts of the toy arranged in compact form ready to be disposed in the casing arranged under the toy,

Fig. 2 is a perspective view of certain parts of the toy to be used as a stand, table
55 or game board,

Fig. 3 is a view in perspective of the toy

showing certain of the parts arranged to provide a simple form of desk and writing table with a back piece in the rear, and when the parts are so arranged, it is very
60 easy to convert this form or construction into a black board, such as shown in Fig. 6.

Fig. 4 is a view in perspective showing the parts arranged to provide another form of writing desk, there being means thereon
65 for containing envelopes, writing paper and the like,

Fig. 5 is a sectional view on line 5—5 of Fig. 4,

Fig. 6 is a perspective view showing the
70 parts of the toy arranged to provide a black board, the parts having been moved from the position shown in Fig. 3 to provide such a black board,

Fig. 7 is a view in perspective showing the
75 parts of the toy arranged to provide another form of black board,

Fig. 8 is a perspective view of the toy, showing the parts thereof arranged to construct a chair having the sides, the seat and
80 the back, and

Fig. 9 is a perspective view of certain parts of the toy arranged to provide a rack.

Referring more especially to these drawings, 1 designates the main frame of the
85 toy, and which comprises the vertical side pieces 2, the lower transverse brace 3 and the upper transverse brace 4. The brace 3 is arranged in a horizontal plane, and has its ends connected in any suitable manner
90 as by means of a mortise and tenon joint 5 with the inner adjacent faces of the vertical side pieces 2. The upper transverse brace 4 is secured upon the rear edges of the vertical side pieces 2, as shown at 6. The lower ends
95 of the side pieces 2 of the main frame extend downwardly beyond the transverse brace 3, and constitute bracing means 7 for the supporting legs 8. These supporting legs are held in place as shown. For instance,
100 the under face of the brace 3 adjacent its ends is provided with right angled pieces 9 which are disposed as shown clearly in the drawings particularly Fig. 4 to provide spaces between the extensions and the angle
105 pieces. The legs may be any suitable construction or design, preferably as shown, and the upper inner faces of these legs have transverse grooves 10. To connect the legs to the main frame, they are inserted between
110 the extension 7 and the angle pieces

will enter the groove 10 of the legs, thereby connecting the legs to the main structure of the toy. It will be noted that by reason of the legs engaging between the angle pieces and the extensions 7, the legs are thoroughly braced relatively to each other. The inner faces of the vertical side pieces 2 of the main structure are provided with a plurality of transverse grooves 11, 12 and 13. The inner faces of the vertical side pieces 2 of the main structure near their forward and rear edges are also provided with vertical grooves 14 and 15.

The toy includes a pair of boards 16 and 17, each of which comprises the middle body portion 18 and the end cleats 19, which are connected to the opposite end edges of the body part 18 by means of the grooves 20.

When the parts of the toy are arranged in compact form, for insertion in a case, such as shown at 21 in Fig. 1, these boards are arranged to engage the vertical grooves 14 and 15 as shown clearly in Fig. 1, thereby providing the opposite sides of a container for the various other parts of the toy. In order to hold the boards 16 and 17 in the grooves 14 and 15, a holding member 22 is provided. This holding member 22 comprises the end elements 23 which are connected by a rod 24, and these elements 23 are disposed to engage the uppermost transverse grooves 13 of the inner faces of the vertical sides 2 of the main structure. It will be noted that the end elements 22 will overlies or engage the upper edges of the two boards 16 and 17 and act to retain them in position. However, before placing the holding member 22 in such position, the other parts of the toy are placed in the container formed by the main structure and the opposite boards 16 and 17. In fact the other parts of the toy consist of the legs, the envelop and paper holder 25, and the ornament piece or member 26, such as shown in Figs. 3, 4 and 6.

By a careful inspection of the drawings, it is obvious as to how the various parts are arranged to construct the various articles as disclosed. For example, in Fig. 2, one of the boards, say for instance, the board 16 is arranged to engage the opposite uppermost transverse grooves 13 of the vertical side pieces of the main structure, thereby providing either a stand, table or game board. The reason that this structure can be used as a game board is that the board 16 on one face thereof is provided with a checker board field or face 27, the use of which is clearly apparent. However, it is to be understood that the other board 17 can be used to form the stand or table.

Referring to Fig. 3, it will also be noticed that the board 16 also constitutes the horizontal portion of a simple form of desk, while the board 17 is employed as a back of the desk. In fact, the board 17 not only con-

stitutes the back of this simple form of desk, but one of the faces of the board is designed to be painted a dull black as indicated by the usual arrangement of lines to indicate such color, and this being the case the board 17 may be used as a black board in combination with the simple form of desk shown in Fig. 3. In this simple form of desk the ornament member 26 is connected to the upper edge of the board 17.

Referring to Fig. 4, it is obvious that the boards 16 and 17 are arranged to provide another form of desk and in this instance, the board 16 also engages the uppermost grooves 13, while the holder 22 engages the same grooves, but in the rear. The board 17 also in this instance engages the opposite vertical grooves 15 of the inner face of the sides of the main structure, and is designed to be supported by the holder 22. The envelop and writing paper holder 25 in this example of converting the toy, is disposed to be supported on the holder 22. It will be seen that the board 17 which also in this instance may constitute a black board, is disposed to the rear of the envelop container 25, whereas the board 16 projects forwardly from the container. The ornament member 26 in this case is connected to the upper edge of the board 17.

In Fig. 6, the boards 16 and 17 are arranged in the main supporting structures to provide a black board. The board 16 engages the uppermost grooves 13, while the board 17 engages the front vertical grooves 14 of the side pieces so that the lower edge of the board 17 can rest upon the upper surface of the board 16, and in this instance one edge portion of the board 16 extends forwardly of the board 17 to provide a ledge upon which chalk and an eraser may be supported if so desired. The ornament piece 26 in this instance is engaged with the upper edge of the board 17.

In Fig. 7 another form of black board is provided and in such case the boards 16 and 17 are disposed to engage the forward vertical grooves 14 of the side pieces so that the upper board 17 will act as the black board. In this arrangement, the ornament piece has its groove 31 engaging one edge of the board 17 and which board is inverted to that shown in the other figures so that the ornament piece 26 engages between the edges of the two boards. The ornament piece is angular, and the part 32 thereof protrudes forward of the two boards, thereby providing a ledge to support an eraser and chalk, whereas the other part 33 of the ornament piece extends downwardly on the rear of the board 16.

In Fig. 8 a chair is constructed by parts of the toy, and it will be observed that the board 16 engages the lowermost transverse grooves 11, while the board 17 engages the

rear vertical grooves 15 of the side pieces 2 of the main structure. The board 17 rests upon the board 16 in this case, so as to provide a chair back, whereas the board 16 constitutes a chair seat, and the side uprights 2 of the main structure act as the sides or arms of the chair. If desired the board 16 can be disposed in engagement with the intermediate groove 12 instead of in the groove 11, and as in Fig. 3 engaged with the uppermost grooves 13.

Fig. 9 discloses a rack, which may be constructed from certain parts of the toy. This rack employs the main structure, and the holder 22, the end elements 23 of which engage the uppermost grooves 13 of the side pieces of the main structure.

The invention having been set forth, what is claimed as new and useful is—

1. In a toy of the kind set forth, the combination with a main supporting structure provided with detachable legs and having upright side pieces, the adjacent faces of the side pieces having vertical and transverse grooves, and a pair of boards adapted to engage either the vertical grooves or the horizontal grooves to construct various toy articles.

2. In a toy of the kind set forth, the combination with a main supporting structure, of detachable legs therefor, said main structure comprising upright side pieces, the adjacent faces of which being provided with parallel vertical grooves adjacent their forward and rear edges and transverse grooves, a pair of boards adapted to engage the vertical grooves to provide forward and back pieces of a container for the reception of ornament parts of a toy.

3. In a toy of the kind set forth, the combination with a main supporting structure, of detachable legs therefor, said main structure comprising upright side pieces, the adjacent faces of which being provided with parallel vertical grooves adjacent their forward and rear edges and transverse grooves, a pair of boards adapted to engage the vertical grooves to provide forward and back pieces of a container for the reception of ornament parts of a toy, one of said boards adapted to engage any of said opposite horizontal grooves, to provide different articles of furniture.

4. In a toy of the kind set forth, the combination with a main supporting structure, of detachable legs therefor, said main structure comprising upright side pieces, the adjacent faces of which being provided with parallel vertical grooves adjacent their forward and rear edges and transverse grooves,

a pair of boards adapted to engage the vertical grooves to provide forward and back pieces of a container for the reception of ornament parts of a toy, one of said boards adapted to engage any of said opposite horizontal grooves, to provide different articles of furniture, the other board adapted to engage certain of said vertical grooves and cooperating with the board which engages the horizontal grooves to provide other articles of furniture.

5. In a toy of the kind set forth, the combination with a container, of a knock down toy adapted to be converted into different articles of furniture, said toy comprising a plurality of furniture sections, cooperating with each other to form a second container to enter the first container, and adapted to receive certain of the other furniture sections.

6. In a device as set forth, the combination with a portable container, of a knock down toy comprising a main supporting structure, legs and a pair of boards, connections between said main supporting structure and said boards, whereby the boards may be disposed in opposite front and back parallel planes, to provide a second container to enter the first container, said second container adapted to receive the legs and other furniture sections, when the latter container enters the first container.

7. In a toy of the kind set forth, the combination with a plurality of toy article constructing members, of a main supporting structure provided with legs and having upright side pieces, the adjacent faces of the side pieces having vertical and transverse grooves, either of which or both adapted to receive certain of said members to construct toy articles.

8. In a toy of the kind set forth, the combination with a plurality of toy article constructing members, of a main supporting structure provided with legs and having upright side pieces, the adjacent faces of the side pieces having vertical and transverse grooves, either of which or both adapted to receive certain of said members to construct toy articles, said grooves of the side pieces of the main structure also adapted to receive certain of said members whereby a container may be formed for receiving other of said articles, and a second container to receive the container formed by the main structure and the member.

In testimony whereof I hereunto affix my signature.

SCOTT A. BROCKWAY.