G. NIEBEL.

TOY FURNITURE SET.

APPLICATION FILED MAR. 29, 1920.

1,379,648.

Patented May 31, 1921

3 SHEETS—SHEET 1.

Fig. 1.

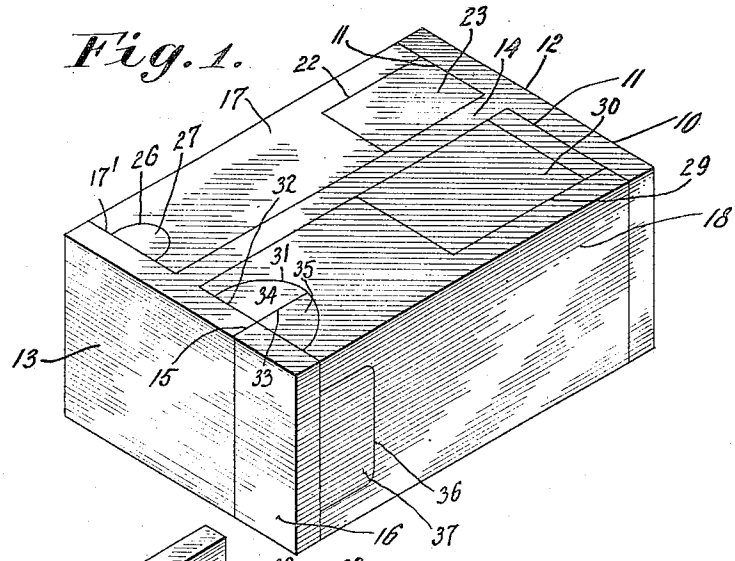
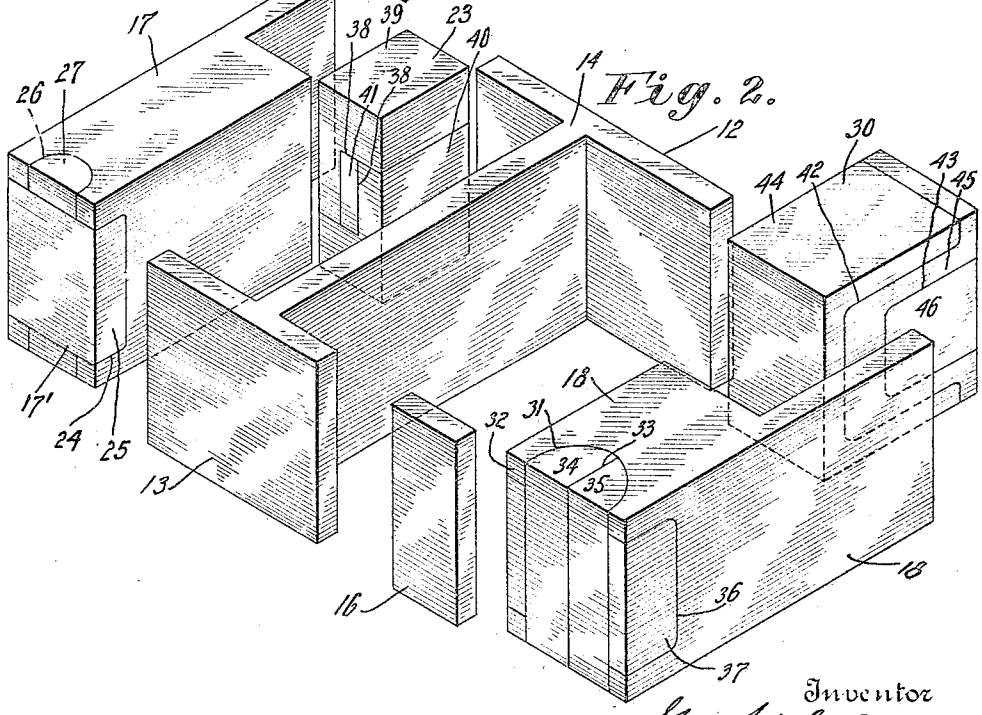


Fig. 2.



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3 SHEETS—SHEET 2.

Fig. 4.

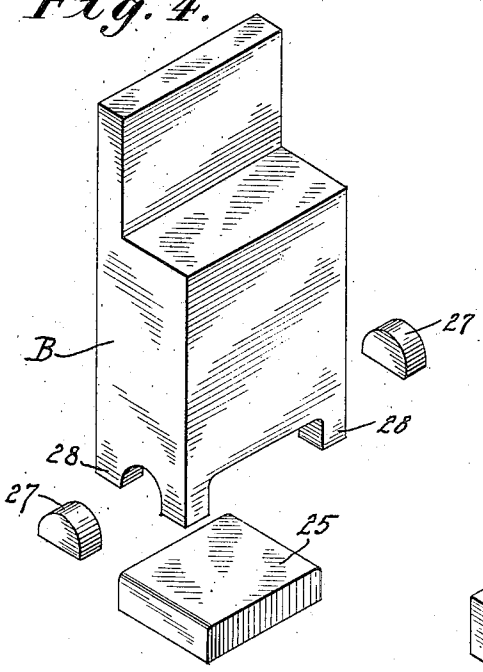


Fig. 3.

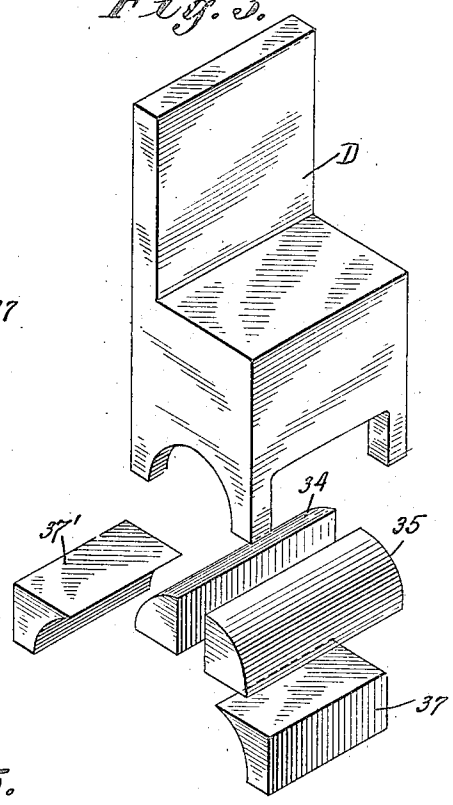


Fig. 5.

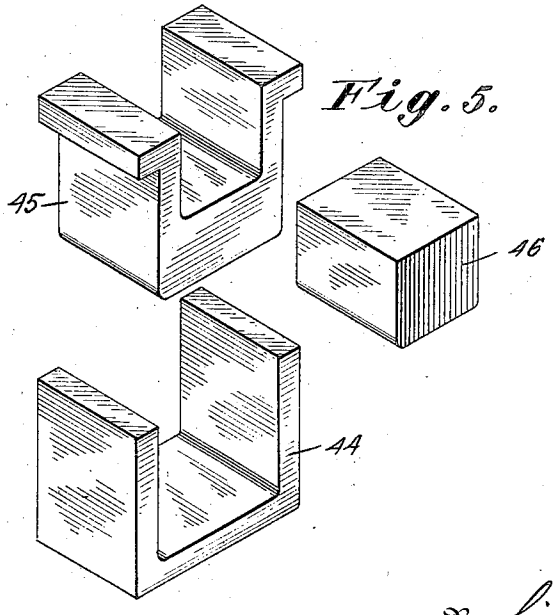
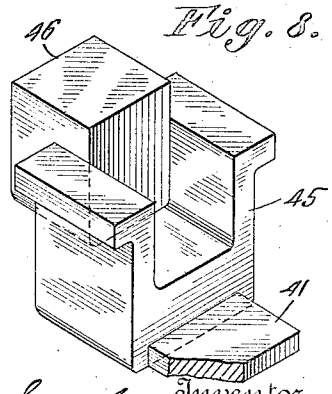


Fig. 8.



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3 SHEETS—SHEET 3.

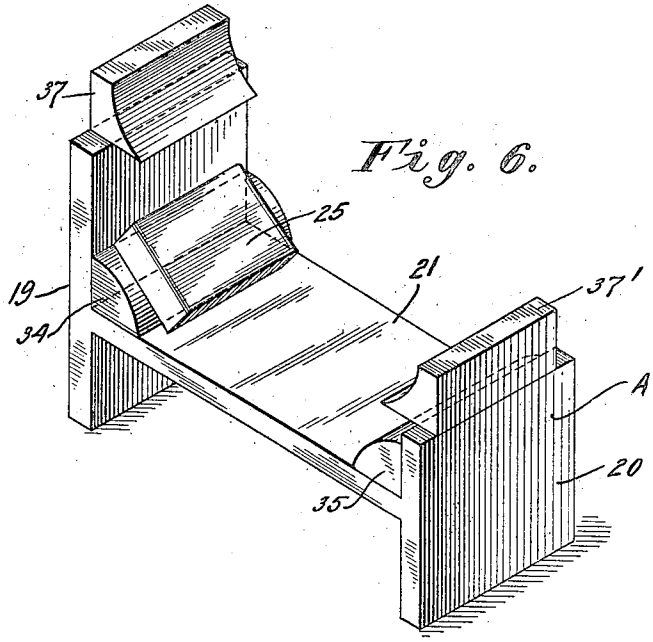


Fig. 6.

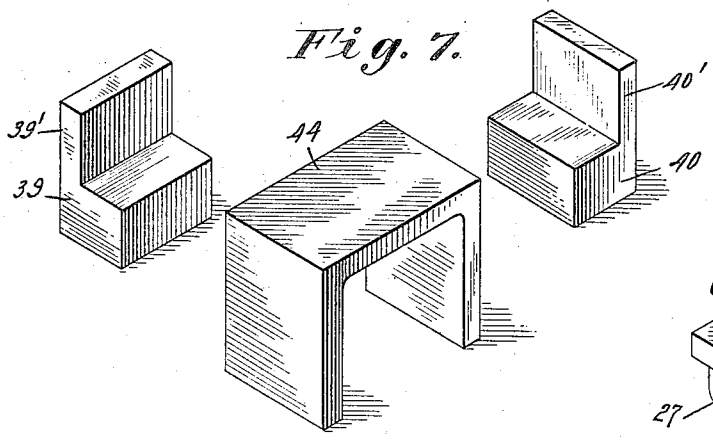


Fig. 7.

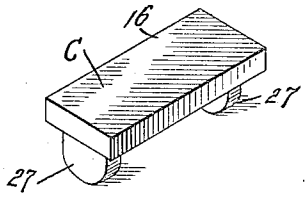


Fig. 9.

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UNITED STATES PATENT OFFICE.

GOTTFRIED NIEBEL, OF NEW YORK, N. Y.

TOY FURNITURE SET.

1,379,648. Specification of Letters Patent. Patented May 31, 1921.

Application filed March 29, 1920. Serial No. 369,600.

To all whom it may concern:

Be it known that I, GOTTFRIED NIEBEL, a citizen of Germany, and a resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Toy Furniture Sets, of which the following is a specification.

The present invention relates to improvements in toy furniture sets.

The main object of the invention is to provide a set of toy furniture, cut from one or more blocks, the elements of which are adapted to be compactly nested together, the nested component parts fitting together in the manner of toy building blocks.

Another object of the invention is to produce a toy furniture set of the type mentioned, which is adapted for manufacture on a commercial scale, or in other words one which is not so difficult to make as to be beyond the reasonable cost of such a toy.

With these and other objects in view, which will more fully appear as the nature of the invention is better understood, the same consists in the combination, arrangement and construction of parts hereinafter described, pointed out in the appended claims and illustrated in the accompanying drawings, it being understood that many changes may be made in the size and proportion of the several parts and details of construction within the scope of the appended claims, without departing from the spirit or sacrificing any of the advantages of the invention.

One of the many possible embodiments of the invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of a toy furniture set constructed in accordance with the present invention with the elements assembled in the form of a rectangular block; Fig. 2 is a perspective view showing the component elements of the furniture set partially assembled and partially detached, indicating the relation assumed by the members when they are nested together; Figs. 3 to 5, inclusive, are perspective views showing certain elements of the set disassembled; and Figs. 6 to 9, inclusive, are perspective views of different parts of the furniture set when the same are separated and used as furniture members.

In the case illustrated herein the entire set of furniture is cut from a single rectangular block of wood or other material, but it is obvious that the same may be formed of a plurality of blocks, which may be disposed side by side in the manner of toy building blocks, when it is intended to place the same into a box or other receptacle for storage.

An ordinary jig saw may be used in cutting up the block or blocks, the entire cutting operation involving only two sets of cuts, one set running vertically and the other set horizontally.

Referring now to the drawings, the numeral 10 indicates a solid rectangular block of any suitable material. This block is first divided by two U-shaped cuts 11 into three elements, the said cuts running each first parallel with the end 12 of the block toward its longitudinal center line, then parallel with the said center line, and thence parallel with the end 13 of the block toward the respective side thereof. In this manner an element 14 is formed that is substantially H-shaped in cross-section, one of the legs of the H being cut off at 15, whereby an oblong piece 16 is severed from the said H-shaped element. The other two elements of the block, denoted by the numerals 17 and 18, are quadrangular prisms.

When the oblong piece or plate member 16 is removed from the H-shaped element 14, and the latter is put in upright position, as shown in Fig. 6 of the drawings, a bedstead A is obtained, its longer leg, indicated at 19, forming the head piece, and its shorter leg, denoted by the numeral 20, constituting the foot piece thereof, and the connecting web 21 forming the bottom of the bed.

From the prism 17 is severed by an L-shaped cut 22 a block 23, and from the base 17′ of the said prism by a U-shaped cut 24 an oblong piece 25. U-shaped cuts 26, extending from the base 17′, sever from the prism 17 two substantially half-round pieces 27. In this manner a bureau B is formed, as clearly shown in Fig. 4 of the drawings. The oblong piece 25 and the half-round pieces 27 are removed to give the base portion of the said prism the appearance of legs 28 (Fig. 4).

The half-round pieces 27 form the legs of a bench C, the seat portion of which is constituted by the oblong piece or plate member 16, the elements being assembled in the manner shown in Fig. 9 of the drawings.

From the prism 18 is severed by an L-

shaped cut 29 a block 30, and by a U-shaped cut 31, which extends from its base 32 into the prism, a half-round bar. This half-round bar is divided by a cut 33 into two elements, denoted by the numerals 34 and 35. A U-shaped cut 36 severs from the base portion of the prism 18, after the elements 34 and 35 have been removed, two members 37 and 37′. After the block 30 and the elements 34, 35, 37 and 37′ have been removed from the prism 18, a dresser D is obtained, as shown in Fig. 3 of the drawings. The elements 34 and 35 are placed on the bedstead adjacent the head and foot pieces thereof, while the elements 37 and 37′ are put on the top of the said head and foot pieces, as shown in Fig. 6 of the drawings.

The oblong piece 25 constitutes a cushion, it being placed on top of the element 34, as appears from Fig. 6 of the drawings.

The block 23 is divided by two oppositely running L-shaped cuts 38 into two chairs 39 and 40, said chairs being shown in upright positions in Fig. 7 of the drawings. The bases of the L-shaped cuts run parallel with the bases of the block 23, while the legs of the said cuts are spaced, as clearly shown in Fig. 2 of the drawings, thus dividing the block 23 into three elements, that is to say the said two chairs and an oblong piece 41, the latter being disposed between the backs 39′ and 40′ of the chairs. When the elements of the block 23 are nested together the back of each chair abuts against the seat of the other one, that is to say they are in reverse positions, their backs being separated by the oblong piece 41.

The block 30, which forms part of the prism 18, is divided into three elements by two parallel U-shaped cuts 42 and 43. One of these elements, denoted by the numeral 44, forms a table when in the upright position shown in Fig. 7 of the drawings. The second element, denoted by the numeral 45, constitutes the body portion of a chair, shown in Fig. 8 of the drawings, the back of which is formed by the third one of the elements separated from the block 40. This third element is indicated at 46 in the several figures of the drawings. The oblong piece 41, cut off the block 23, is placed in front of the chair, shown in Fig. 8, and forms a rug.

From the foregoing it appears that the block 10 is cut up into a bed and its furnishings, a table and two chairs, a bench, a larger chair, a bureau and a dresser. In other words, the block is cut up into a toy furniture set, and more particularly a bedroom set.

The furniture set is attractive and interesting to children in separating the elements of the block 10 and building up the several furniture pieces. It constitutes, at the same time, a puzzle of the jig-saw puzzle type. The device is inexpensive and comparatively easy to manufacture, as only a jig saw or band saw is needed, in combination with a support or work-holder.

What I claim is:—

1. A set of toy bed-room furniture, including a bedstead having a head member, a foot member and a bed bottom made integral therewith, said head member and said foot member being provided with legs, said foot member being shorter than said head member, a plate member complemental to said foot member, and two sets of furniture elements, each set being nested to form a quadrangular block, one of said blocks snugly fitting within said bedstead and said plate member above said bed bottom and the other one below said bed bottom between said legs, the elements of the set when so nested forming a quadrangular prism.

2. A set of toy bed-room furniture, including a bedstead having legs, and two sets of furniture elements, each set being nested to form a quadrangular block, one of said blocks snugly fitting within said bedstead above the bed bottom and the other one below said bed bottom between said legs, the elements of the set when so nested forming a quadrangular prism.

Signed at New York, in the county of New York and State of New York this 24th day of March A. D. 1920.

GOTTFRIED NIEBEL.