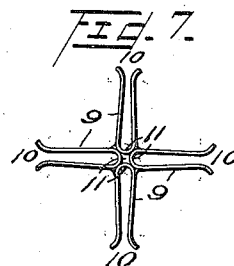
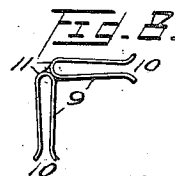
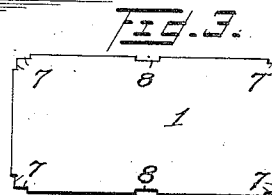
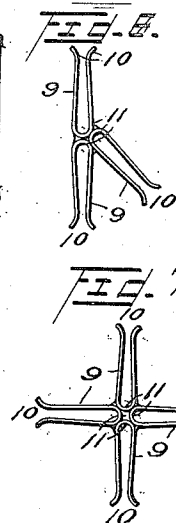
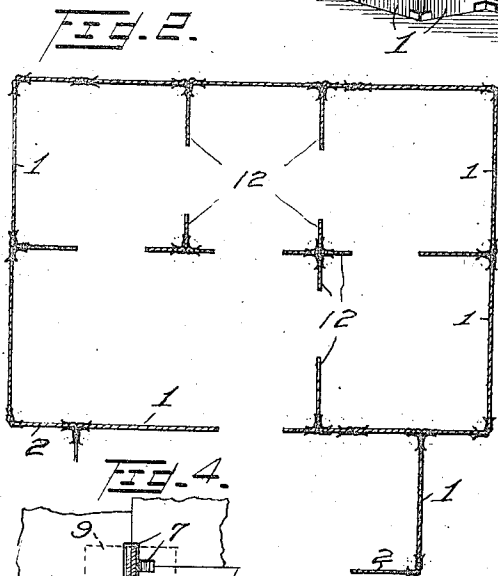
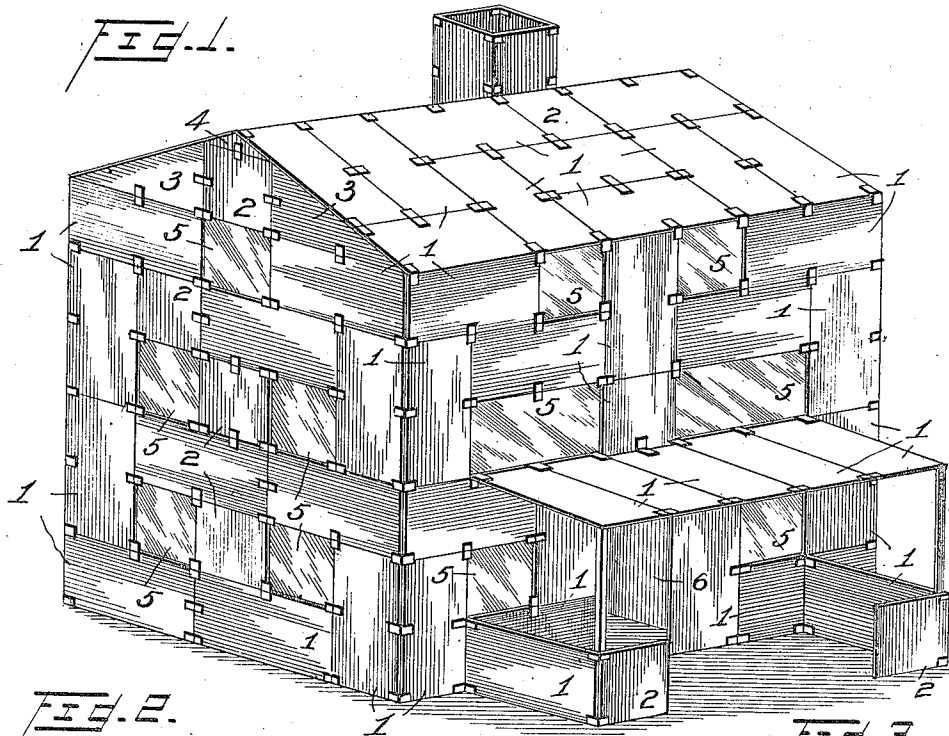


A. P. GILBERT.
BUILDING TOY.

APPLICATION FILED FEB. 4, 1920.

1,398,852.

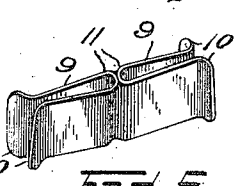
Patented Nov. 29, 1921.



WITNESSES

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BUILDING TOY.

1,398,852.

Specification of Letters Patent.

Patented Nov. 29, 1921.

Application filed February 4, 1920. Serial No. 356,156.

To all whom it may concern:

Be it known that I, ALBERT P. GILBERT, a citizen of the United States, residing at Durham, in the county of Durham and State of North Carolina, have invented new and useful Building Toys, of which the following is a specification.

This invention relates to devices to be used in conjunction with strips, panels or sections of card board, or similar material for the purpose of holding the same together to form continuous walls, partitions, roofs, etc., in simulation of the parts of houses or other buildings.

The object is to provide a simple device which may be readily applied to such panels or sections or removed therefrom by a child in building toy houses or the like, and by means of which different styles or shapes of houses may be erected to suit the fancy of the builder. The sections or panels are cut in a series of predetermined shapes best suited for the purpose and the clips or holding devices are made of different sizes to hold heavier or lighter material, cut in larger or smaller dimensions, so that doll houses may be built, or houses of sufficient size as to permit small children playing therein.

A full and complete understanding of the invention may be obtained from a consideration of the following detailed description taken in connection with the accompanying drawing forming a part of this specification, it being understood that while the drawing shows a practical form of the invention, the latter is not confined to strict conformity therewith, but may be changed and modified, so long as such changes and modifications mark no material departure from the salient features thereof, as specifically pointed out in the appended claim.

Referring to the drawing, in which similar reference characters designate corresponding parts throughout the several figures:

Figure 1 is a perspective view of a toy house constructed of panels secured together in accordance with the present invention;

Fig. 2 is a horizontal sectional view through the same and showing an arrangement of interior partitions which may be installed;

Fig. 3 is a plan view of one style of section or panel used in the building;

Fig. 4 is a sectional view through the con-

nections of three panels and showing the relation of the clip to the same;

Fig. 5 is a detail perspective view of one form of clip used therein;

Figs. 6 to 9 inclusive are edge views of some of the various styles of clips which may be used in the construction of different buildings.

Children large and small derive much benefit out of the instructive pastime of building toy houses if it is possible for them to vary the design, size and proportions of the same, thus enabling them to incorporate their individual ideas and likes into the finished building, and it is the purpose of the present invention to provide the necessary means for permitting of such diversity of design and artistic ability.

The sections or panels used in the construction may be formed of ordinary card board or paste board, when the outfit is intended for the building of the smaller sized houses, such as may be used for doll houses, the said sections or panels being cut in general rectangular form, some of which may be square and others oblong, preferably twice as long as they are wide, or the size of two of the square sections, while a plurality of triangular sections may also be included such as are necessary to form the top edges of the sides of a house having a gable roof, as will be understood. On the other hand when it is desired to provide an outfit suitable for building small play-houses, in which children may enter and play in person, the same general shapes of the several sections may be employed, the same being, however, of larger dimensions and composed of heavier material such as ordinary composition board.

In the former class of toy houses the clips or holding means may be formed of some suitable light metal such as tin or thin brass and of the proper size and dimensions to hold such light material as mentioned, while in the latter class of buildings the said clips are to be made larger and of stronger spring metal in order to give the proper clamping action to hold the heavier sections or panels in position, as will be readily understood.

In Fig. 1 of the drawing a small simply designed house is illustrated being of rectangular formation having front, back and end walls, a gable roof composed of two general sections, a chimney and a front porch all composed of sections or panels of

three kinds mainly, that is, the oblong panels 1 and the square panels 2, the triangular sections 3, comprising one-half of the oblong panels cut diagonally and used to form the inclined upper edges of the side walls in order to form the gable roof, which may be formed wholly or in part of the oblong panels depending on the size and location of the chimney which may be arranged at any desired point.

Smaller triangular sections 4 cut to form the apex of the end walls may also be provided, and it will be seen that many other more or less complex styles and shapes of sections may be provided to permit of building houses of different styles of architecture, but it has been deemed unnecessary to illustrate the same. In arranging the location of the different size panels it has been found advantageous to employ the square panels 2 between the windows, indicated at 5, which may have celluloid or glass secured therein, as illustrated, and held in position by the same means employed to hold the several panels together, in a manner to be described, and panels of one kind or the other may be omitted to provide for doorways 6, as desired.

As illustrated in Fig. 3 of the drawing, each panel is provided with two recesses or indentations 7 located at each side of each corner thereof. In the case of the oblong panels, intermediate recesses 8 are provided in the centers of their long sides. These recesses are substantially rectangular and are provided for the reception of clips of various shapes and permit of a closer fitting of the panels together to provide a perfectly smooth wall, but in the case of the larger size houses, may be omitted.

The most common form of clip to be used in the construction of the house is shown clearly in Fig. 5, and comprises a pair of opposed U-shaped members 9 formed of spring sheet metal having their open ends slightly contracted and the terminals flared outwardly, as at 10, to more readily receive the edge of the panel to be held thereby, each member 9 having its closed end welded, soldered or otherwise secured to the other member 9, the said closed ends where secured together, being adapted to fit in some instances into the recesses 7 and 8, as shown in Fig. 4. This form of clip has the most general use in the construction of any style of house and may be provided in greater abundance in any complete outfit for building toy houses in accordance with the invention.

Another form of clip, shown in Fig. 6, may be employed to secure the roof members or panels comprising the roof of the porch into position the same being composed of three clip members 9, two of which are in longitudinal alinement, as in the first described form, the third being welded or soldered thereto at an angle, as shown, which angle may be varied as desired.

The form of clip shown in Fig. 7 is to be used interiorly of the house principally, to hold the adjacent ends of panels comprising the intersecting walls or partitions 12, which, as has been stated, may be variously arranged to suit the fancy of the builder. This form comprises four clip members 9 arranged back to back and forming a right angle between each member.

The form shown in Fig. 8 is composed of two clip members 9 arranged at right angles to each other, as used at the corners of the buildings, while that shown in Fig. 9 is indicative of one of the many angles at which two of the clips may be arranged to allow of great scope in planning and simulating different styles of architecture, it being understood that the right to employ any of such arrangements of clips is to be specifically reserved within the scope of the invention.

From the foregoing it will be seen that a simple cheaply manufactured and highly entertaining and instructive outfit has been provided for the building of toy houses and the like, which is capable of being assembled in a great diversity of ways to suit the individual fancy of the builder.

What I claim is:—

In the construction of toy buildings, the combination with panels which when placed edge to edge and assembled form the building, said panels being provided with a pair of rectangular recesses at either side of each corner, some of the panels having recesses intermediate the corners, and means consisting of a plurality of U-shaped clamps joined together at their closed ends, for connecting the edges of the panels together at the corners and at intermediate points, the rectangular recesses of adjacent panels co-operating to form a seat for the intermediate portion of the connecting means.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT PAUL GILBERT.

Witnesses:

A. L. CORNELL,
W. B. GAILLARD, Jr.