June 24, 1924. 1,499,215

H. M. GRIFFIN

BUILDING PLAN UNIT

Filed Jan. 3, 1923

Fig. 1.

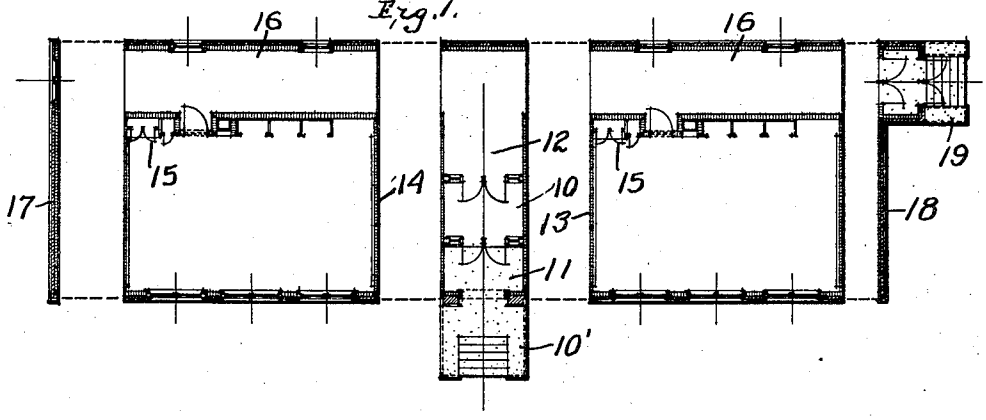
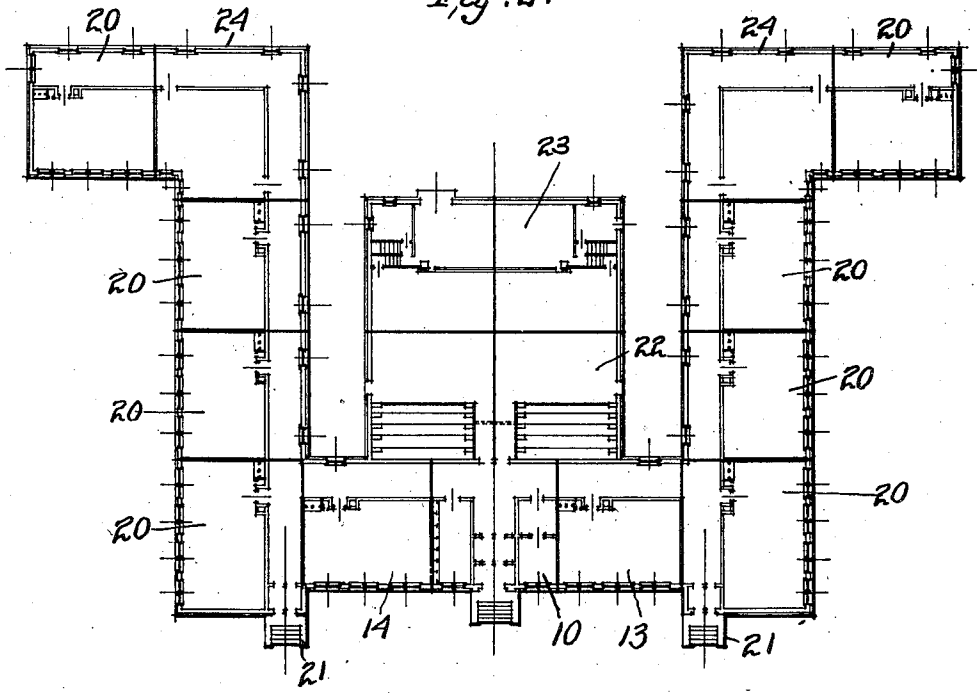


Fig. 2.



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UNITED STATES PATENT OFFICE.

HARRY M. GRIFFIN, OF CONNERSVILLE, INDIANA.

BUILDING-PLAN UNIT.

Application filed January 3, 1923. Serial No. 610,447.

To all whom it may concern:

Be it known that I, HARRY M. GRIFFIN, a citizen of the United States, residing at Connersville, in the county of Fayette and State of Indiana, have invented certain new and useful Improvements in Building-Plan Units, of which the following is a specification.

This invention relates to standardized building plan units and is designed primarily for use in planning school buildings, although it may be used for various other purposes. The prime object of the invention is the construction of floor plans for such buildings in distinct units, said units being mounted on any suitable background, such as heavy card board. These units represent different structural features of a building such as rooms of various kinds, halls, etc., and they are so constructed as to be readily assembled and taken apart to exhibit the various possible types of buildings that can be erected and so offer to prospective builders at minimum expense and without appreciable delay, a number of different possible architectural plans.

A further object of the invention is to so construct the various units that a plan which has been laid out can have units added thereto, or subtracted therefrom, so that a floor plan that has been laid out can be changed almost instantly, thereby affording a wide range of choice all without material delay or expense and yet without confusion or haste.

Other objects and advantages will be hereinafter more fully set forth and pointed out in the accompanying specification.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a plan view of a series of units in separated relation, and

Figure 2 is a similar view of a plurality of units in assembled formation.

In planning school buildings, which have not heretofore been standardized as to the construction and dimensions of the various rooms required, and as one building may require a more extensive equipment than others, it has heretofore been necessary to construct a new set of plans for each building erected thus necessitating considerable delay and expense in getting the necessary plans to submit for consideration.

To obviate these objectionable features in accordance with my invention, I prepare one complete set of plans and then separate them into various units. Said units are arranged in any convenient order or manner so that when a building of specified type or form is called for the various units showing the plans of such building may be assembled for submission to the proper authorities, and such assemblage may be accomplished almost instantly.

As shown in Figure 1 of the drawings, the unit 10 contains plans for the main entrance to a building, including a porch 10′, a vestibule 11 and a corridor, 12, while the units 13 and 14 show plans for recitation rooms, including accessory wardrobes 15, corridors 16 and the like. When the units are assembled they will show the floor plans of a complete two room building, and by placing proper identification marks on the various units they may be readily selected and assembled to give the floor plan of a complete building of any desired extent. Units 17 and 18 indicate end walls, the latter providing a porch 19.

In Figure 2 of the drawings, the units are shown on a reduced scale from that shown in Figure 1, and disclose a plan for a much larger structure than that shown in Figure 1, the units 10, 13 and 14 having additional units associated therewith containing various additional class rooms and communicating corridors which are arranged substantially in the form of a double L and joined onto the outer ends of the units 13 and 14. Certain of the units 20 may be formed with extensions 21 to indicate porches and flights of steps leading thereto. In addition to the units 20, other units may be added, such for example as shown at 22 and 23, containing the plans of an auditorium and a gymnasium with the various equipments associated therewith and in general units may be provided to indicate any room or other feature that might be desired by prospective builders in laying their plans.

It will be understood that such other units may be added wherever occasion may require, and they are so arranged that they will, if desired, form a continuation of the plans shown in the drawings or entirely dif-

ferent and distinct plans. The sections 24, 24 in Figure 2 indicate units providing right angle turns and here constituting the bends of the double L. Beyond these there are shown additional units 20.

By standardizing the various requirements for school or other buildings and arranging each unit so that it may be assembled with any of the other units, a plan to meet the requirements of any prescribed building may be quickly assembled to form a complete building embodying all of the elements set forth in the specifications for the building.

As previously stated each unit is mounted upon a suitable base and as such base is of relatively thin material all of the units required in constructing a building of any desired magnitude may be readily transported from place to place as they will occupy but a minimum amount of space when properly packed together.

It will also be understood that in addition to providing units disclosing floor plans, elevational views may be divided into units and assembled in the same manner as the floor plan.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:

A device for illustrating the floor plans for standardized buildings comprising a plurality of sections or units each in itself illustrating and corresponding in relative size to a standardized section or unit of a floor plan of a room or other floor structure of a building, said sections adapted to be selectively arranged to illustrate a variety of floor plans, substantially as set forth.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this 21st day of December, A. D. nineteen hundred and twenty-two.

HARRY M. GRIFFIN. [L. S.]

Witness:
M. L. SHULER.