Nov. 30, 1971 J. SANTORO 3,623,296

BUILDING STRUCTURE FOR HOUSING MOBILE UNITS

Filed Nov. 10, 1969 2 Sheets-Sheet 1

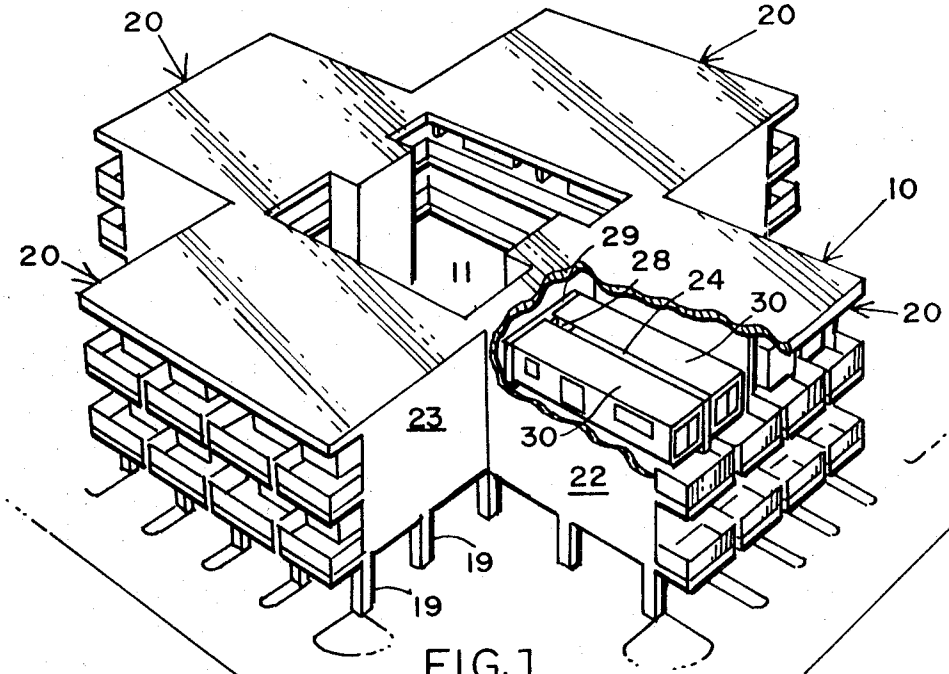


FIG. 1

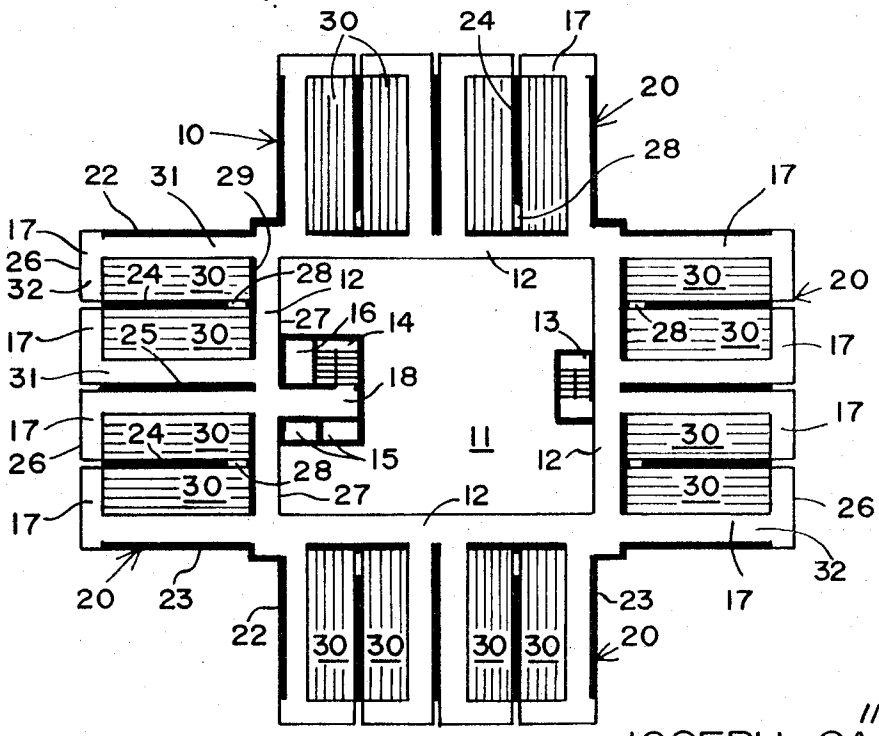


FIG. 3

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BUILDING STRUCTURE FOR HOUSING MOBILE UNITS

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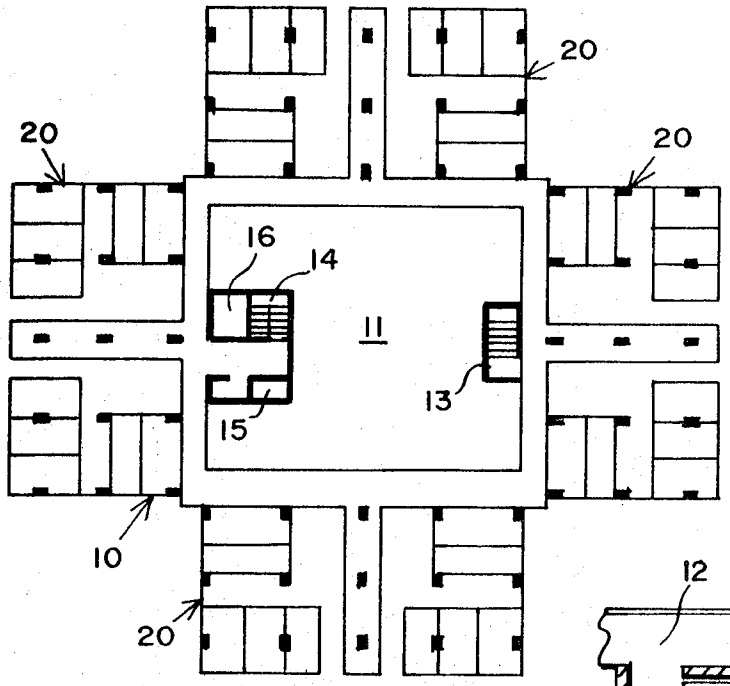


FIG. 2

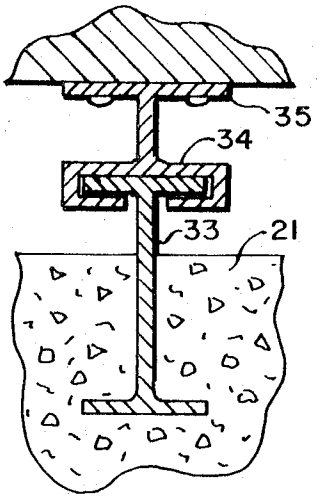


FIG. 6

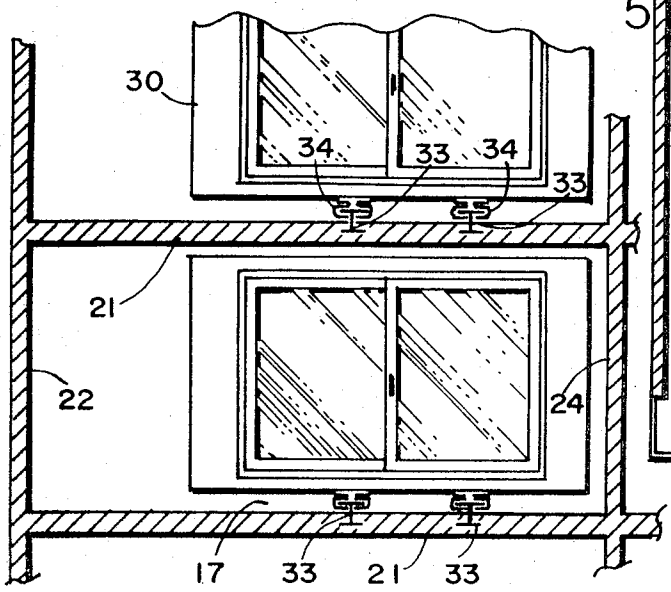


FIG. 5

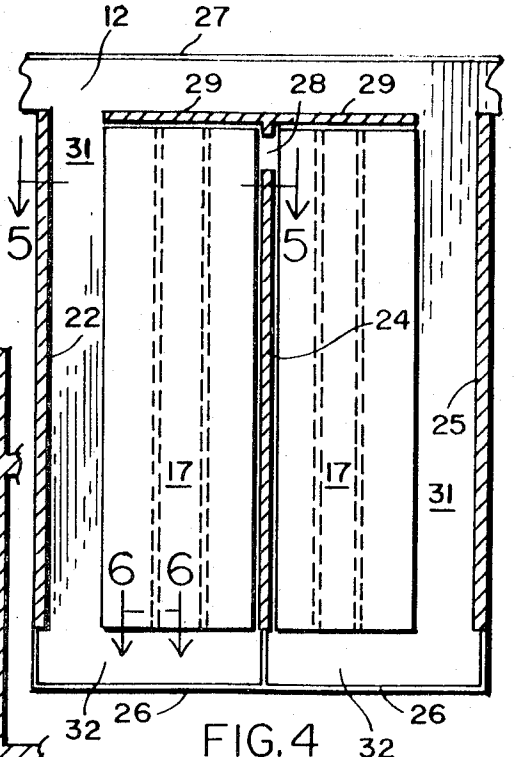


FIG. 4

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BUILDING STRUCTURE FOR HOUSING MOBILE UNITS

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Int. Cl. E04h *1/04*

U.S. Cl. 52—236 2 Claims

ABSTRACT OF THE DISCLOSURE

A building for housing mobile units having a plurality of spaces for the mobile units, each space accommodating two mobile units side by side with a wall positioned therebetween and a chase for utilities in the wall, and a corridor on each remaining three sides of the mobile units, a pair of rails embedded in the floor of the building engaged by slotted guide members secured beneath the mobile units fasten the mobile units in the spaces.

This invention relates to building structures and is more particularly directed to one for housing mobile units.

At the present time mobile units known as trailers are parked in trailer courts on a small plot of ground out in the open. Most of them are large spacious living units that remain permanently on the same spot of land. However, these mobile homes are exposed to the weather and are susceptible to damage by high winds and hurricanes. Besides, each mobile unit takes up a definite area of land so that as more people turn to mobile units as an economical way of life, more and more land is used for trailer parks and existing trailer parks and courts become overcrowded.

It is contemplated by the present invention to obtain the benefits of mobile units yet avoid the above indicated disadvantages thereof.

Therefore, it is a principal object of the present invention to provide a reinforced concrete hurricaneproof and aesthetically pleasing, multi-story building containing stalls for receiving mobile units, thereby increasing the number of mobile units many times that can be housed in any given area of land.

Another object of the present invention is to provide a multi-story building for housing mobile units wherein the building cost would be approximately one-half the cost of the conventional apartment building and the cost of the land per unit being reduced to a minimum.

A further object of the present invention is to provide a multi-story building for housing mobile units that permit persons to have the advantages of living in a building while living a mobile unit, which may be moved from the building to other locations if and when desired.

With these and other objects in view, the invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings forming a part of this specification, with the understanding, however, that the invention is not confined to any stricted conformity with the showing of the drawings but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:

FIG. 1 is a perspective view of a multi-story building for mobile units constructed in accordance with my invention with one wing of the building broken away to show the mobile units housed therein.

FIG. 2 is a ground floor plan.

FIG. 3 is a typical floor plan above the ground floor.

FIG. 4 is an enlarged fragmentary floor place of a space containing two mobile units.

FIG. 5 is a fragmentary cross sectional view taken along the line 5—5 of FIG. 4.

FIG. 6 is a detailed cross sectional view taken along the line 6—6 of FIG. 4.

Referring to the drawings wherein like numerals are used to designate similar parts throughout the several views, the numeral **10** refers to a multi-story building constructed according to my invention and consisting of four (4) rectangular building sections or wings **20** each identical in construction with the other positioned to form an inner open court **11** and joined together by a corridor **12** on each floor. On one side of the open courtyard **11** is a staircase **13** accessible to each floor and in the opposite side of the open court **11** is a second staircase **14** elevator shaft for two elevators **15** that are accessible to each of the floors by a short hall **18** and a storage space **16** for each floor.

Except for the ground floor which is utilized for parking of automobiles, all of the floors are identical in construction. For the purpose of illustration only, each wing or building section **20** is comprised of two double spaces on each floor level for housing four mobile units with all the floors except the ground floor being identical in construction. It is to be noted that any desired number of double spaces may be utilized on each floor.

The building **10** is of conventional construction of the usual materials such as block, brick, reinforced concrete and the like, supported by piers **19** and with each pair of spaces **17**, **17** identical to the other pair of spaces **17**, **17**, and consisting of a floor **21**, outside walls **22** and **23** and partition walls **24**, **25**. Mobile units **30** are placed side to side against the partition walls **24** which is provided with a chase **28** for utilities such as water, drain pipes, electricity, etc. to which the mobile units **30** connect. At the front and rear of the spaces **17** are rails **26** and **27**, the rails **26** being removable to permit the mobile units **30** to be placed in the space **17**. The unoccupied spaces by the mobile units **30** form corridors **31** and **32** and decor partitions **29** extend across the rear end of each of the mobile units **30**.

Each of the spaces **30** have a pair of I-beams **33** embedded in the floor **21** and extending a short distance above the floor **21**. The I-beams form a support and guide for C-shaped channel members **34** that are secured to a T-member **35** which in turn is fastened to the undercarriage of the mobile unit **30** as best shown by FIGS. 5 and 6.

The mobile units **30** may be readily positioned in their respective spaces **17** by removing the front railing **26** and then lifting the mobile unit **30** by a crane and sliding the mobile unit **30** on the guide rails **33** until the mobile unit **30** is positioned against the partition **29**. Then the utilities are connected at the chase **28** and the railing **26** returned to its position on the front of the wing **20**.

If it is ever desired to move the mobile unit **30** to another location, all that need be done is disconnect the utilities at the utility chase **28**, remove the front railing **26** and use a crane to slide the mobile along the guide rails **33** out of the space **17** until clear of the building and then lowered to the ground by a crane.

What I claim as new and desire to secure by Letters Patent of the United States is:

1. A building for housing mobile units comprising a plurality of superimposed floors forming a substantially rectangular structure, each of said floors being substantially identical, said floors having side and front and rear end portions, a pair of walls in substantially parallel and spaced relation mounted on said floors on said side portions and terminating in spaced relation to said end portions, a first partition extending longitudinally along the

mid-portion of said floors and terminating adjacent said end portions forming a pair of spaces for mobile units, a pair of second partitions in substantially spaced and parallel relation with said first partition extending along the mid-portion of each of said pair of spaces forming two pairs of substantially identical spaces for mobile units, and end wall mounted adjacent said rear end portion of said floors transversely of said floors in abutting relation with each of said second partitions and terminating in spaced relation to said pair of walls and to each other to form a plurality of communicating corridors along said pair of walls and said end portions on each side of said first partition and mobile unit support means extending above said floor on each side of said second partitions extending from said end walls to adjacent said front end portion, said mobile unit support means comprising a pair of I-beams embedded partially in said floor, and a mobile unit positioned in each of said spaces, said mobile units having a pair of channel members slidably mounted on and interengaging said I-beams for securing said mobile units on said floors with each of said mobile units in substantially abutting relation with said end walls and said second partitions.

2. The structure as recited by claim **1** taken in combination with a plurality of said substantially shaped rectangular structures forming a cruciform shape surrounding an open court with said corridors at said rear portions communicating with adjacent corridors and means mounted in said court communicating with said last named corridors of each of said floors.

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U.S. Cl. X.R.

52—79