Feb. 26, 1924. 1,485,200

P. A. ROBERTS ET AL

GARAGE

Filed Feb. 15, 1923

Fig. 1.

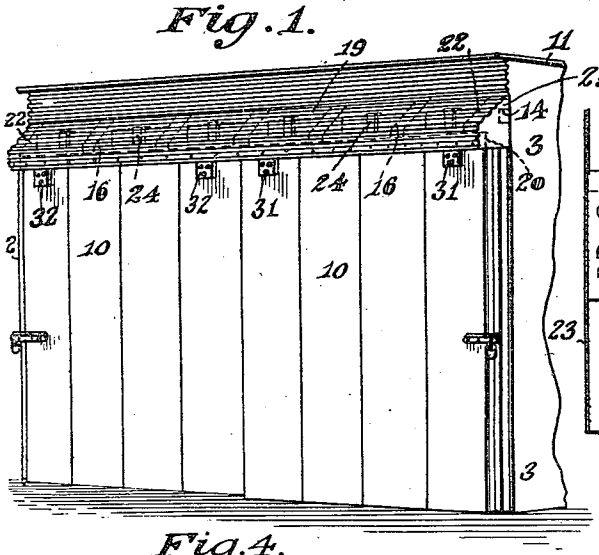


Fig. 3.

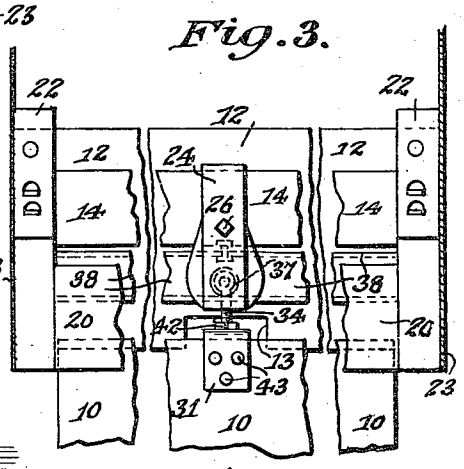


Fig. 4.

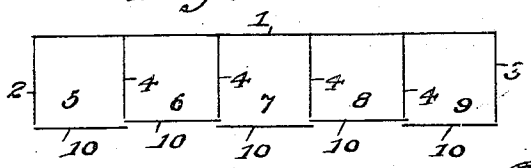


Fig. 2.

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UNITED STATES PATENT OFFICE.

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GARAGE.

Application filed February 15, 1923. Serial No. 619,230.

To all whom it may concern:

Be it known that we, PRESTON A. ROBERTS and PETER C. BACH, citizens of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Garages, of which the following is a specification.

This invention relates to garage structures of that type embodying a plurality of independent compartments for the storage of motor vehicles, more particularly to the front wall of said structure, and the invention has for its object to provide in a manner as hereinafter set forth a garage structure including a plurality of independent compartments or rooms and a front wall common to said compartments and consisting of a stationary upper section and a shiftable lower section suspended from the upper section and formed of a plurality of shiftable members, associated with the compartments and providing closures therefor, and with the closures arranged exteriorly of the compartments so as not to interfere with the depth thereof and whereby the closure of each compartment will be so positioned as to provide alternate compartments of greater depth.

A further object of the invention is to provide in a manner as hereinafter set forth a garage structure formed with a plurality of compartments and a front wall comprising a stationary upper section common to said compartments and a lower section formed with a plurality of shiftable elements, each associated with a compartment and providing a closure therefor and each having means forming a part thereof to provide for the vertical adjustment of the closure when occasion so requires.

Further objects of the invention are to provide a garage structure which is comparatively simple and durable in its arrangement and construction, and having a front wall consisting of a stationary upper section and a lower section formed with a plurality of shiftable elements and with the upper section set up to protect the upper portion of said shiftable elements, and comparatively inexpensive to construct.

With the foregoing and other objects in view the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to, which fall within the scope of the claims hereunto appended.

In the drawing wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a perspective view broken away, of a garage structure in accordance with this invention.

Figure 2 is a fragmentary view, in vertical section, of the front wall of the structure.

Figure 3 is an elevation, broken away and partly in section of the front wall of the structure.

Figure 4 is a diagrammatic view illustrating in plan a garage structure in accordance with this invention.

A garage structure in accordance with this invention is set up to provide what may be termed a plurality of independent garages, compartments or rooms for independently storing motor vehicles and said structure includes a front wall which is common to the several garages, compartments or rooms and the said front wall includes a lower section formed of a plurality of shiftable elements, and which correspond in number to the number of garages, compartments or rooms. Each shiftable element is associated with a garage, compartment or room hereinafter termed compartment, and constitutes a closure therefor and the shiftable elements are so arranged that every alternate one is positioned rearwardly with respect to the other of said elements so that every alternate compartment is slightly less in depth that the other compartments. The shiftable elements are so set up that, when moving them to open position every other element can be positioned at the rear or at the front of an adjacent element and by this construction the shiftable elements, which constitute closures for the compartments, are not swung into the compartments when opening them, under such conditions never occupying a portion of the floor space of the compartment.

Referring to Figure 4 of the drawing,

which illustrates diagrammatically a garage structure in accordance with this invention 1 indicates the back wall of the structure, 2, 3 the end walls of the structure, 4 the partition walls which provide the compartments 5, 6, 7, 8 and 9, and 10 indicates the shiftable elements of the lower section of the front wall. The back wall 1 is common to the several compartments. In Figure 4 of the drawing by way of example the structure is shown as consisting of five compartments, but this number can be increased or diminished if desired. In Figure 1 of the drawing the structure is illustrated as set up with two compartments.

Extending from the end wall 2 to the end wall 3 in proximity to the roof 11, as well as being common to the several compartments and arranged at the outer end thereof, is a combined bracing and supporting element 12, having its lower edge provided with a cut out portion 13 at each compartment.

The front wall of the structure comprises a stationary upper section common to said compartments and further includes a lower section which is also common to said compartments. The stationary upper section of the front wall consists of a supporting member 14 which is positioned against the element 12, above the lower edge thereof, and said support 14 is secured to the element 12 by the hold fast devices 15. Mounted on the support 14 is a series of substantially triangular shaped brackets 16, which are seated on the top edge of the support 14 and also abut against the front of the support 14, as well as projecting forwardly thereof and formed with a depending end 17. The brackets 16 also abut against the element 12 as well as extending there above, and are secured to the element 12 by the hold fast devices 18. The brackets 16 are suitably spaced apart, as shown in Figure 1, and upon the upper edge of each of the brackets 16, said edge inclining downwardly, is a corrugated metallic protective cover 19 which is of a length common to the length of the structure, or in other words of a length to extend from the end wall 2 to the end wall 3 and said covering 19, is also positioned against the end walls 2 and 3, and extend to the roof 11. The covering 19 is secured to the brackets 16 and end walls 2 and 3 in any suitable manner. Positioned against the depending ends 17 of the brackets 16 is a wall member 20, which in connection with the element 12, support 14 and brackets 16 provides a chamber 21 extending substantially throughout the upper section of the front wall. The covering 19 is extended downwardly at the front of the dependent ends of the brackets 16 and also against the front of the wall member 20, as well as being secured to the latter.

Each end of the chamber 21 is closed by a bracket 22 and into said bracket 22 extend the ends of the support 14 and member 20. The brackets 22 are protected by the plates 23.

Suspended from the support 14 is a plurality of spaced hanger elements each consisting of an angle shaped arm formed of a vertical leg 24 and a horizontal leg 25. The horizontal leg 25 is mounted on the top of the support 14 and the vertical leg 24 is positioned against the front of the support 14, and secured thereto by the lag screw 26. The vertical leg of the arm of the hanger element depends below the support 24 and has formed integral therewith a pair of oppositely extending holders 27 each of which is rectangular in cross section and slotted at the bottom thereof, as at 28 forming thereby a pair of supporting flanges 29. The holders 27 are arranged at the top of the chamber 21 and one is positioned below the support 14 and the other below the brackets 16.

The lower section of the front wall comprises the shiftable elements 10 each of which is in the form of a door or closure corresponding in contour to the shape of a compartment and of a height to extend into the chamber 21, and of substantial width, so that when an element 10 is positioned at the front of a compartment it will completely close the same. Each of the elements 10, is constructed of any suitable material and cut away at its top to provide a vertically disposed rib 30 of a length equal to the width and is flush with the outer face of the element. Secured to the upper portion, at the front of each element 10 and in proximity to each side edge thereof, is an inverted L-shaped strap 31 extended above the rib 30 and having the horizontal leg thereof overlapping the top of the element 10. The horizontal leg of the strap 31 is spaced from the top edge of the rib 30. Secured to the rear face of the element 30 at the upper portion thereof and in proximity to each side edge, as well as opposing the strap 31, is an L-shaped strap 32, which is oppositely disposed with respect to the strap 31 and said strap 32 has its horizontal leg projecting forwardly and is overlapped by the horizontal leg of the strap 31. The strap 31 projects above the element 32 and extending through the horizontal legs of the straps 31, 32 is a suspension bolt 34, having a circular skeleton head 35 for connection with a shaft 36, provided with wheels or rollers 37 which travel in a track member. The outer track member mounted in the outer holders 27 is indicated at 38 and the inner track member mounted in the inner holders 27 as indicated at 39. The track members 38, 39 are arranged in parallelism and each is of a length to extend from one bracket 22 to the other bracket 22. Hold fast devices 40 are provided for securing the track members to the holders. Each of the track members is flanged as at

41 for retaining the wheels or rollers 31 therein.

Mounted on each suspension bolt 34 is a pair of adjusting nuts 42, to which access is had for adjustment through the cut out portions 13, when it is desired to vertically adjust the elements 10. One of the nuts 42 abuts against the horizontal leg of the strap 31 and the other nut 42 abuts against the horizontal leg of the strap 32.

The straps 31, 32 are secured to the elements 10 by the hold fast devices 43.

From the foregoing description taken in connection with the accompanying drawings a garage structure is set up embodying objects as hereinbefore set forth, and although the preferred construction is as shown and described, yet it is to be understood that changes in the details of construction can be had which fall within the scope of the light of the invention as claimed.

What we claim is:

1. A garage structure including a front wall formed of an upper and a lower section and with the former projecting outwardly from the latter, said upper section including means to provide a lengthwise extending chamber in the lower portion thereof, said lower section formed of a plurality of inner and outer rectangular closure elements normally arranged in overlapping position and each independently vertically adjustable and independently laterally shiftable, said elements having their upper ends permanently extended in said chamber, said lower section provided with a pair of duplex track members disposed in parallelism throughout and arranged at the top of said chamber, means for shiftably suspending said inner elements from one of said duplex track members, means for shiftably suspending the said outer elements from the other duplex track member, and said suspending means being adjustably connected with said elements to enable the adjustment independently of each of said elements vertically.

2. A garage structure including a front wall formed of an upper and a lower section and with the former projecting outwardly from the latter, said upper section including means to provide a lengthwise extending chamber in the lower portion thereof, said lower section formed of a plurality of inner and outer rectangular closure elements normally arranged in overlapping position and each independently vertically adjustable and independently laterally shiftable, said elements having their upper ends permanently extended in said chamber, said lower section provided with a pair of duplex track members disposed in parallelism throughout and arranged at the top of said chamber, means for shiftably suspending the said inner elements from one of said duplex track members, means for shiftably suspending the said outer elements from the other duplex track member, said suspending means being adjustably connected with said elements to enable the adjustment independently of each of said elements vertically, and said upper section at its rear including an anchoring element common to said duplex track members and formed with cut-out portions whereby access can be had to vertically adjust said elements.

3. A garage structure comprising means to provide a plurality of compartments, a support extending across the front of said compartments, anchoring means for said support, said anchoring means arranged rearwardly of and depending below said support, brackets secured to said anchoring means and positioned against said support, a wall forming member secured to said brackets and in connection with said brackets, support and anchoring means providing a chamber of the same length as the length of the support, a protective covering enclosing said brackets and wall forming member, hanger elements connected with said support and each provided with a front and rear holder arranged in said chamber, a duplex track member mounted in the front holders, a duplex track member mounted in the rear holders, said track members disposed in parallelism throughout, vertically adjustable closure elements shiftably suspended from the track member mounted in the front holders, and vertically adjustable closure elements shiftably suspended from that track member mounted in the rear holders and arranged rearwardly with respect to said other element.

4. A garage structure comprising means to provide a plurality of compartments, a support extending across the front of said compartments, anchoring means for said support, said anchoring means arranged rearwardly of and depending below said support, brackets secured to said anchoring means and positioned against said support, a wall forming member secured to said brackets and in connection with said brackets, support and anchoring means providing a chamber of the same length as the length of the support, a protective covering enclosing said brackets and wall forming member, hanger elements connected with said support and each provided with a front and a rear holder arranged in said chamber, a duplex track member mounted in the front holders, a duplex track member mounted in the rear holders, said track members disposed in parallelism throughout, a vertically adjustable closure element shiftably suspended from the track member mounted in the front holders, a vertically adjustable closure element shiftably suspended from that track member mounted in the rear holders and arranged rearwardly with respect to

said other element, and said anchoring means having cut out portions whereby access can be had to vertically adjust said closure elements.

5. A garage structure comprising means to provide a compartment, a front wall formed of a stationary upper section and a shiftable lower section arranged inwardly with respect to the upper section, said lower section formed of a plurality of independently shiftable laterally movable members constituting closures, said upper section provided with means to provide a lengthwise extending chamber opening at the bottom of said section, said members having their upper ends permanently extending into said chamber, said upper section further provided with a lengthwise extending support arranged above said chamber, front and rear holders suspended from said support and arranged within the top of said chamber, a duplex track member mounted in the front holders, a duplex track member mounted in the rear holders, said track members disposed in parallelism throughout with respect to each other, and means for shiftably supporting said closures from the track members, said means providing for the vertical adjustment of the closures.

6. A garage structure including a front wall formed of a stationary upper section and a shiftable lower section and with the former projecting outwardly from the latter, said lower section formed of a plurality of independently shiftable laterally movable members constituting closures having their upper ends permanently extended into said upper section, each of said closures having the upper end thereof cut away, oppositely disposed superposed angle-shaped straps secured to the upper ends of said closures, a pair of parallel track members secured within said upper section, and means connected with the overlapping portions of said straps for shiftably supporting said closures from said track members, said means providing for the vertical adjustment of the closures.

7. A garage structure comprising means to provide a compartment and a front wall formed of a stationary upper section and a shiftable lower section arranged inwardly with respect to the upper section, said sections forming the front wall of said compartment, said lower section formed of a plurality of independently shiftable laterally movable inner and outer members constituting closures, said closures permanently extending into said upper section, means arranged within said upper section to provide a pair of track members disposed in parallel relation throughout, and means for shiftably supporting said closures from the track members, said means connected with said closures centrally of the top edge thereof, and said means further providing for the vertical adjustment of the closures.

In testimony whereof, we affix our signatures hereto.

PRESTON A. ROBERTS.
PETER C. BACH.