No. 756,355. PATENTED APR. 5, 1904.

V. T. GRABS.

SECTIONAL OR KNOCKDOWN KITCHEN SAFE.

APPLICATION FILED SEPT. 25, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

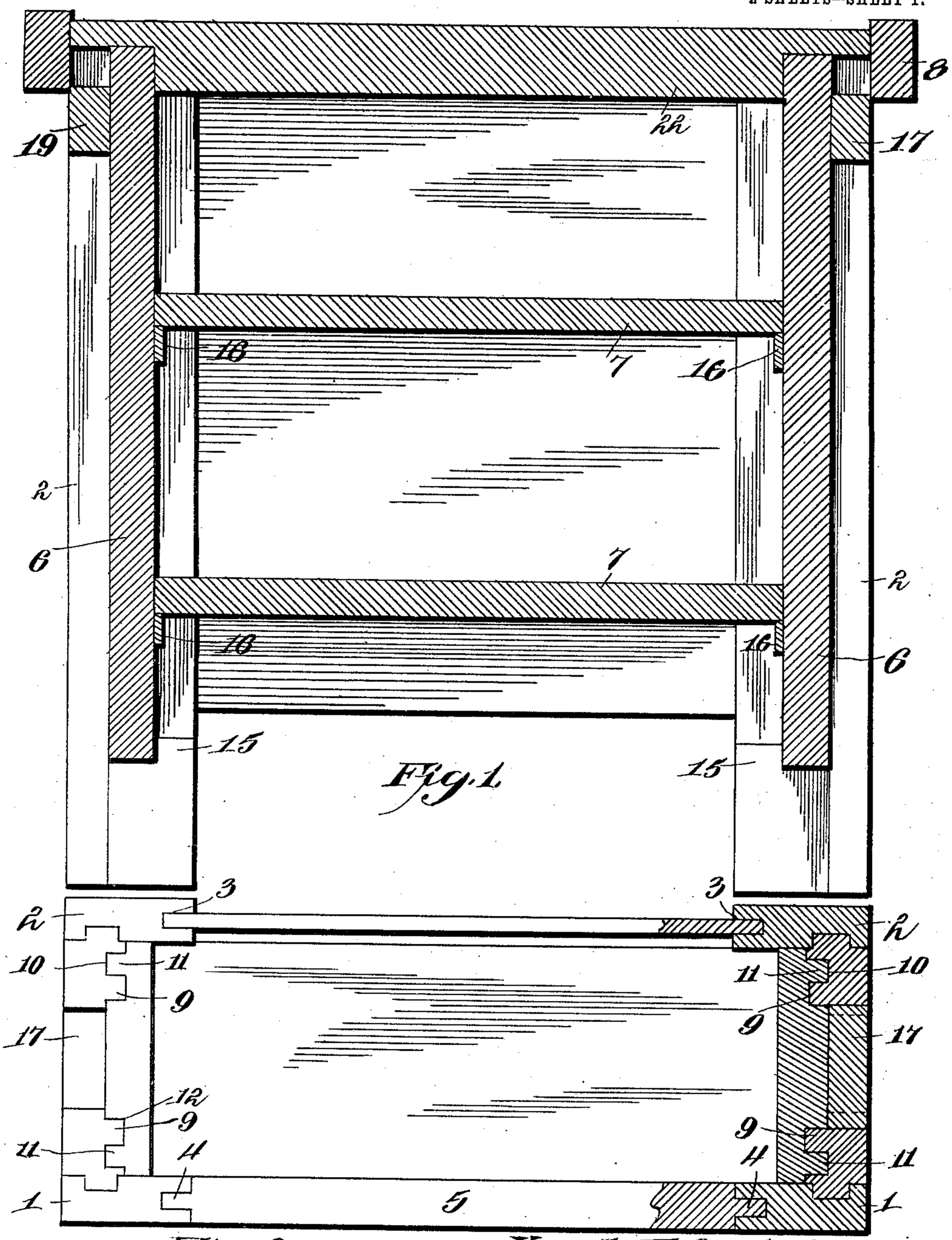

Fig. 1.

Fig. 3.

Witnesses
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NO MODEL. 2 SHEETS—SHEET 2.

Fig. 2.

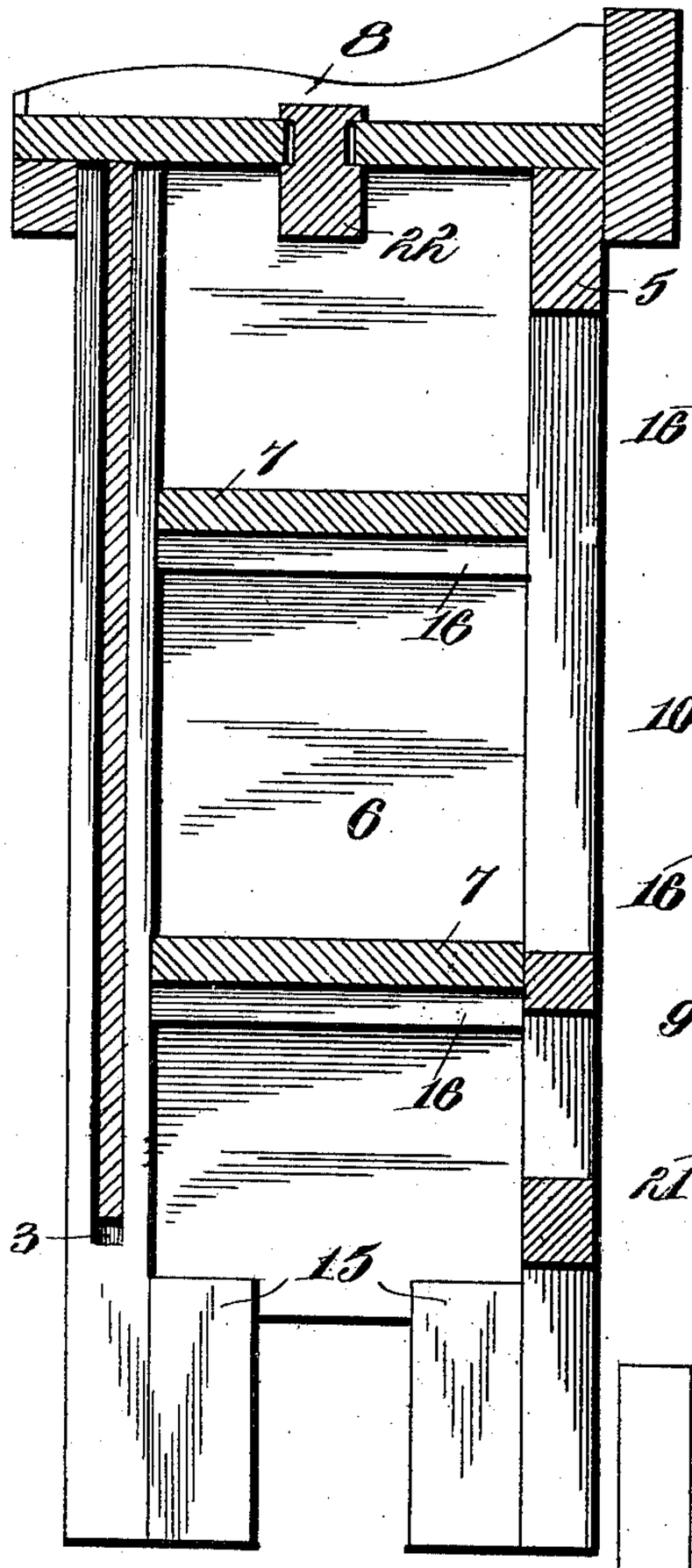


Fig. 4.

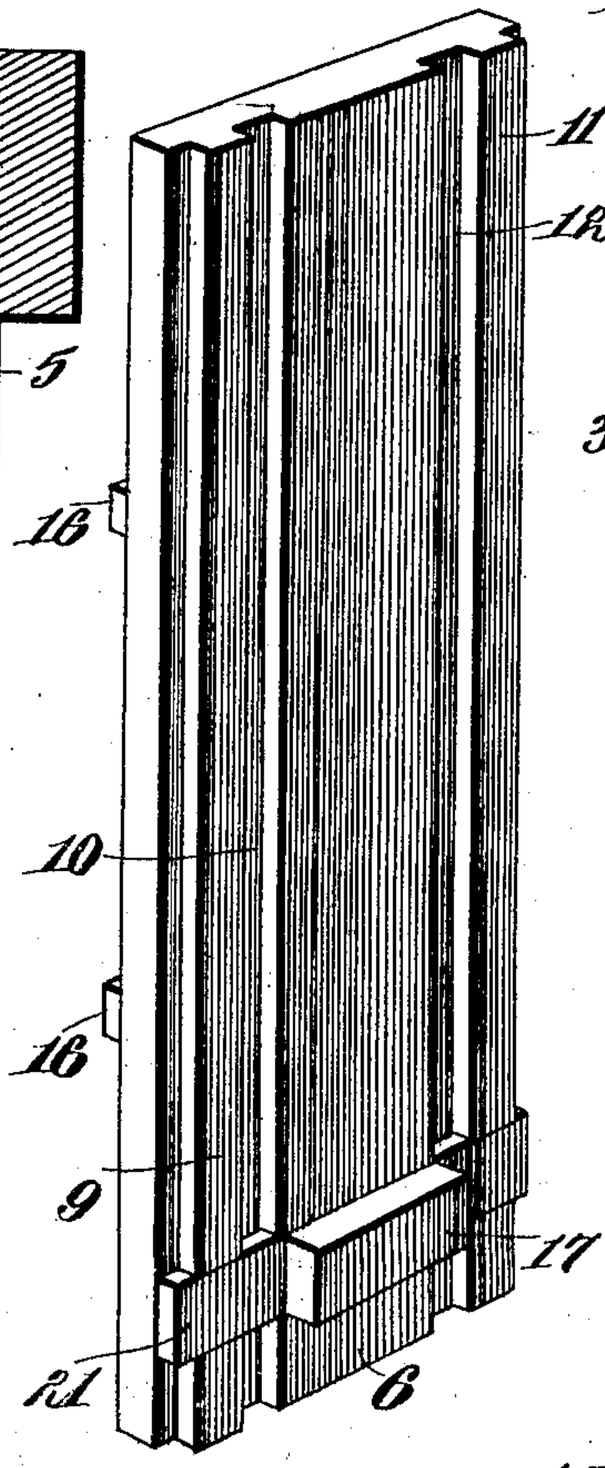


Fig. 5.

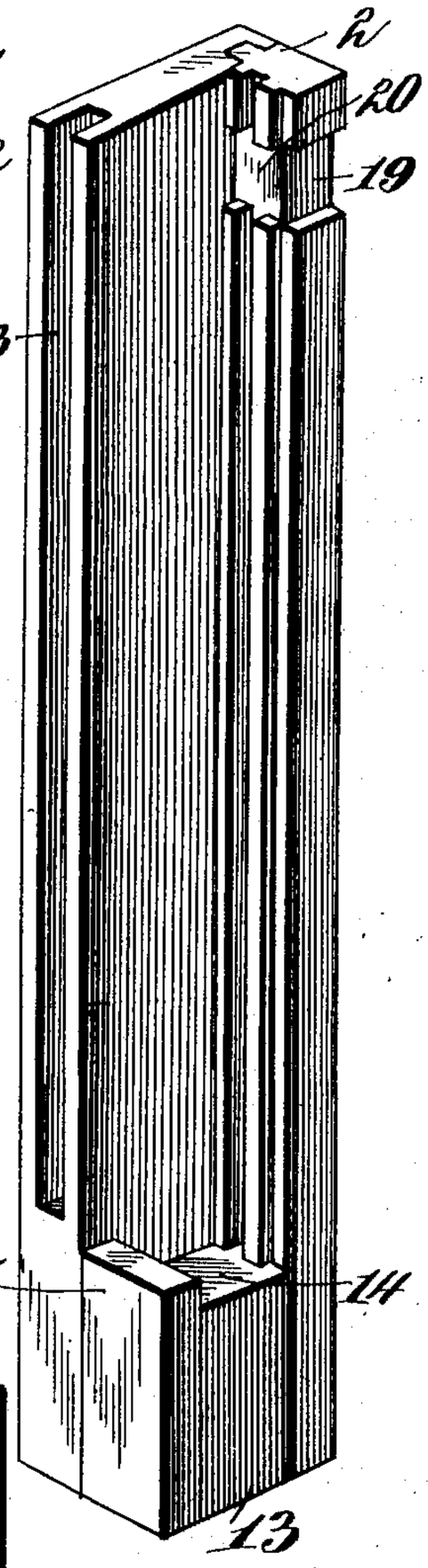
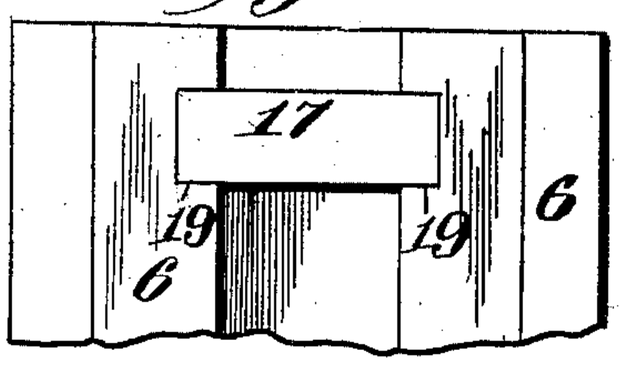


Fig. 6.



Witnesses
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No. 756,355. Patented April 5, 1904.

UNITED STATES PATENT OFFICE.

VIRGIL T. GRABS, OF KING, NORTH CAROLINA.

SECTIONAL OR KNOCKDOWN KITCHEN-SAFE.

SPECIFICATION forming part of Letters Patent No. 756,355, dated April 5, 1904.

Application filed September 25, 1903. Serial No. 174,612. (No model.)

To all whom it may concern:

Be it known that I, VIRGIL T. GRABS, a citizen of the United States, residing at King, in the county of Stokes and State of North Carolina, have invented a new and useful Sectional or Knockdown Kitchen-Safe, of which the following is a specification.

The invention relates to improvements in sectional or knockdown kitchen-safes.

The object of the present invention is to improve the construction of sectional or knockdown kitchen-safes and to provide a simple and comparatively inexpensive one which will be strong and durable and which will be adapted to be readily set up or assembled.

A further object of the invention is to improve the construction for interlocking the sides of the safe with the front and back thereof and to effectually prevent such parts from accidentally moving either vertically or horizontally on each other and thereby separating.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a vertical longitudinal sectional view of a knockdown or sectional kitchen-safe constructed in accordance with this invention. Fig. 2 is a vertical transverse sectional view. Fig. 3 is a plan view, partly in section, the top being removed. Fig. 4 is a detail perspective view of one of the sides of the safe. Fig. 5 is a similar view of one of the corner-posts. Fig. 6 is a detail view illustrating the manner of interlocking the upper portion of the side with the corner-posts to prevent the parts from moving vertically on each other.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 and 2 designate front and rear corner-posts L-shaped in cross-section, as clearly shown in Fig. 3, and preferably composed of separate pieces secured together and arranged at an angle to each other and extending longitudinally and transversely of the safe. The longitudinally-disposed portions of the rear corner-posts are provided with vertical grooves 3 to receive the back of the safe, and the longitudinal portions of the front corner-posts are grooved to receive tongues 4 of front horizontal bars 5, which are arranged at the top and lower portions of the safe. The front of the safe is designed to be provided with suitable doors, (not shown,) and the connecting horizontal front bars may be constructed and arranged in any other desired manner. The back of the safe is designed to be fixed to the rear corner-posts, and the front will be fixed to the front corner-posts, the front and back portions of the safe being connected by sides 6, which are interlocked with the transversely-disposed portions of the corner-posts and which are held in such interlocking engagememt by shelves 7 and a removable top 8. The safe is therefore composed of the front, back, sides, top, and shelves, and these parts may be readily separated and assembled, as hereinafter explained.

The transversely-disposed portions of the corner-posts are provided at their inner faces with vertical tongues 9 and grooves 10, and the sides are provided adjacent to their edges with corresponding tongues 11 and grooves 12. The tongues of the sides are arranged to fit into the grooves of the transverse portions of the corner-posts, and the grooves of the sides receive the tongues 9 of the posts. These matched portions have square abutting edges, and there is no liability of the interlocking portions tending to spread and separate the parts of the safe, as is often the case when the interlocked parts are dovetailed or wedge-shaped. Any number of the interlocking tongues and grooves may be provided, as will be readily apparent. These tongues and grooves extend upward from supports or brackets 13, which are secured in the corners or angles of the corner-posts at the lower ends thereof. The supports or brackets are provided at the top with recesses 14, forming sockets for the reception of the lower ter-

minals of the sides of the safe, and they form projecting walls 15, which prevent the sides from moving inward longitudinally of the safe at the bottom thereof. In order to prevent the sides from moving inward at points above the bottom, the shelves 7 are interposed between the sides and are supported by horizontal cleats or strips 16, secured to the inner faces of the sides and arranged as clearly shown in Figs. 1 and 2 of the drawings. Any number of shelves may be provided, as will be readily apparent, and the shelves may be readily placed in position and removed therefrom by slightly tilting them.

The sides are locked against vertical movement on the corner-posts by a transverse locking-bar 17, secured to the outer face of each side near the upper end thereof and engaging horizontal notches or recesses 19, formed in the edges of the transverse portions of the corner-posts. The recesses 19 are also preferably extended at 20 at the inner faces of the transverse portions of the corner-posts, and the sides are provided with projecting portions 21 to fit in the inner recesses 20. In assembling the parts the lower ends of the sides are first fitted in the sockets or recesses of the brackets or supports at the lower ends of the corner-posts, and the matched portions are fitted together by moving the same toward each other. The shelves are then placed in position and while interposed between the sides it is impossible for the sides and ends to move vertically or horizontally on each other, whereby the parts of the safe are effectually prevented from accidentally spreading.

The top 8 of the safe caps the body portion and is provided with marginal strips or flanges, as shown, and may be of any desired construction. The top is also provided with a central longitudinal brace 22, depending within the body portion of the safe and fitting against the sides of the safe and holding the same against inward movement. The terminals of the depending portion of the brace are spaced from the marginal end flanges of the top to provide spaces for the reception of the upper terminals of the sides of the safe.

It will be seen that the safe is exceedingly simple and inexpensive in construction, that it possesses great strength and durability, and that the parts are readily separated and assembled. Furthermore, it will be clear that when the parts are assembled the sides are securely interlocked with the front and back sections and are effectually prevented from moving either horizontally or vertically on the same, so that there is no liability of the safe accidentally spreading. Furthermore, it will be apparent that a perfectly dust-tight joint is provided at each of the corners of the safe by the interlocking connection between the transverse portions of the corner-posts and the sides.

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

1. A device of the class described comprising front and rear sections and the sides having matched interlocking overlapped portions formed by longitudinal tongues and grooves, and horizontal pieces for interlocking matched parts, whereby the overlapped portions are held against vertical movement on each other, substantially as described.

2. A device of the class described comprising front and rear sections having corner-posts provided with longitudinal tongues and grooves, said corner-posts being also provided with transverse notches or recesses, sides overlapping the corner-posts and provided with longitudinal tongues and grooves, and transverse locking-strips mounted on the sides and fitting in the notches or recesses, whereby the sides and corner-posts are held against longitudinal movement on each other, substantially as described.

3. A device of the class described comprising front and rear sections having corner-posts provided with vertical tongues and grooves, said corner-posts being also provided at their lower ends with sockets, sides overlapping the corner-posts and having corresponding tongues and grooves, the lower ends of the sides being fitted in the said sockets, and means for holding the tongues and grooves of the sides and corner-posts in engagement with each other, substantially as described.

4. A device of the class described comprising front and rear sections having corner-posts provided with tongues and grooves and having upper transverse recesses, sides having tongues and grooves to fit those of the corner-posts, locking-bars mounted on the sides and engaging the transverse recesses, and supports arranged at the lower ends of the corner-posts and provided with sockets to receive the lower ends of the sides, substantially as described.

5. A device of the class described comprising corner-posts and sides interlocked with each other, the corner-posts being provided with transverse recesses and the sides having transverse locking-bars engaging the recesses, and supports receiving and engaging the lower ends of the sides, substantially as described.

6. A device of the class described comprising front and rear sections having corner-posts provided with upright grooves and tongues, said corner-posts being also provided at their edges with recesses and having similar recesses at their inner faces, sides having tongues and grooves to fit those of the corner-posts and provided with projecting portions to engage the inner recesses, and locking-bars mounted on the sides and engaging the recesses at the edges of the corner-posts, substantially as described.

7. A device of the class described comprising front and rear sections having corner-

posts, sides interlocked with the corner-posts, shelves holding the sides in such engagement, supports engaging the lower terminals of the sides, and a top having a depending brace engaging the upper terminals of the sides, substantially as described.

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

VIRGIL T. GRABS.

Witnesses:
JULIUS C. KREEGER,
DAVID H. WILCOX.