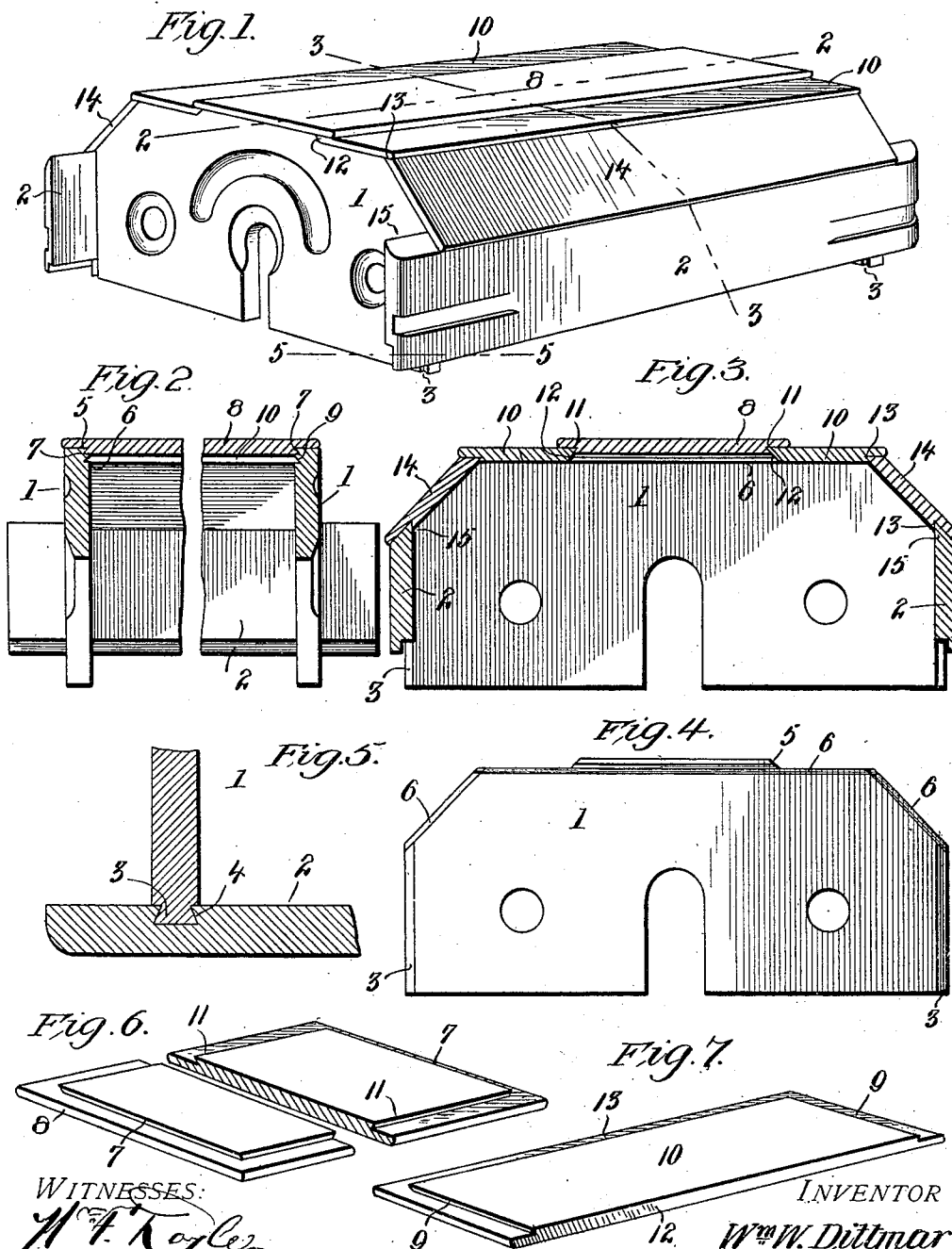


No. 859,050.

PATENTED JULY 2, 1907.

W. W. DITTMAR.
INTERLOCKED CASING.
APPLICATION FILED JULY 3, 1906.



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UNITED STATES PATENT OFFICE.

WILLIAM W. DITTMAR, OF WILLIAMSPORT, PENNSYLVANIA.

INTERLOCKED CASING.

No. 859,050.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed July 3, 1906. Serial No. 324,628.

To all whom it may concern:

Be it known that I, WILLIAM W. DITTMAR, a citizen of the United States, residing at Williamsport, in the county of Lycoming, State of Pennsylvania, have invented certain new and useful Improvements in Interlocked Casings, of which the following is a specification, reference being had therein to the accompanying drawing.

The invention relates to an interlocked casing, and particularly to means for securing the panels or top boards thereof in position without the use of nails or other securing devices extended therethrough.

The invention has for an object to provide a novel and improved connection between the end boards of the casing and the top and side panels thereof by which the panels will be engaged with the casing and with each other so as to securely hold them in position without using nails, clamps or other extraneous devices for this purpose.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

In the drawing:—Figure 1 is a perspective of the casing completed; Fig. 2 is a section on the line 2—2 thereof; Fig. 3 is a section on the line 3—3 on an enlarged scale; Fig. 4 is an elevation of the inner face of one end; Fig. 5 is a detail section showing the connection between the end and side panels; on line 5—5 Fig. 1; Fig. 6 is a detail perspective of the inner face of the top panel, and Fig. 7 is a similar view of one of the interlocking side panels.

Like numerals of reference indicate like parts in the several figures of the drawing.

The numeral 1 designates the end boards or panels of the casing for any desired purpose, the same being adapted to receive the mechanism to be contained therein, which in the present instance is a carpet sweeping device. These end boards are connected together by the side boards 2 secured thereto in any desired manner by an interlocked joint, for instance, as shown in Fig. 5 where the opposite vertical edges of the end boards are provided with a dove tailed tongue 3 adapted to engage the cooperating recess 4 in the side board 2 at each end thereof. Before the introduction of these side boards 2 the series of top panels are put in position and are held upon the end boards by means of V-shaped or beveled grooves 5 and 6, the former being adapted to receive the cooperating tongue 7 of the top panel 8, and the latter the tongue 9 from one of the panels 10 disposed at opposite sides thereof. The groove 6 extends about the top and sides of the inner face of each of the end pieces, as shown in Fig. 4, and these grooves are preferably formed with one perpendicular wall and a cooperating inclined wall.

The top panel 8, as shown in Fig. 6, is provided at opposite ends with the tongues 7 and at its longitudinal sides with the tongues 11 which are adapted to engage with the inclined or beveled edge 12 of the panel 10, while parallel with this beveled edge 12 is the tongue 13 which interlocks with a similar beveled edge upon the inclined panel 14 which is identical in construction with the panel 10 and disposed upon an inclined face of the end walls and provided with the tongue 15 before described adapted to receive the beveled edge 15 at the upper portion of the side board 2 by which the several parts are locked and held in position.

In the operation of the invention it will be seen that as the panels are inserted they are engaged with the end walls and with each other so that when the side boards are finally applied and the panels are glued to the end walls it is practically impossible to separate the parts of the casing without breaking the wood, and a buckling of the panels and loosening of nails or other securing devices absolutely prevented.

The construction is very simple and economical and presents a stronger structure than by the use of nails in which each of the parts or panels are overlapped or engaged with the other.

While the invention has been described as applied to a carpet sweeper casing, it is not confined thereto as the casing may be adapted to any desired use.

Having now described my invention and set forth its merits, what I claim and desire to secure by Letters Patent is:—

1. A casing comprising end boards having grooved inner faces, top panels having a tongue at each end entering said grooves, and side boards connected to the end boards and contacting with said panels to retain them in locked position.

2. A casing comprising end boards having grooved inner faces, a series of top panels having a tongue at each end entering said grooves and an overlapped connection at their abutting edges, and side boards connected to the end boards and contacting with the adjacent panel to retain the series in locked position.

3. A casing comprising end boards provided with parallel grooves at the upper edge thereof, a top panel provided with tongues at its opposite ends seating in the uppermost groove, panels at each side of said top panel and provided at each end with tongues seating in the lower grooves, and side boards mounted upon the ends.

4. A casing comprising end boards provided with parallel grooves at the upper edge thereof and an inclined groove extending downward therefrom, top panels provided with tongues at their opposite ends seating in the uppermost grooves, panels with tongues at each end seating in the inclined grooves and having a longitudinal tongue at one side thereof, and a side board having a beveled upper edge to engage said tongue when in position.

5. A casing provided with end boards having grooves upon their inner faces, a top panel having a tongue upon its under face extending parallel to the sides and ends thereof, and panels provided with a tongue extending

parallel with the ends and one side thereof and a beveled face upon the opposite side to engage the side tongue of the top panel.

- 5 6. A casing comprising end boards having grooves upon their inner faces, a top panel having a tongue upon its under face extending parallel to the sides and ends thereof, panels provided with a tongue extending parallel with the ends and one side thereof and a beveled face upon the opposite side of the panel to engage the side tongue of the

top panel, and side boards having a dove tailed connection with each end and provided with a beveled edge to engage the side tongue of the adjacent panel. 10

In testimony whereof, I affix my signature in presence of two witnesses.

WILLIAM W. DITTMAR.

Witnesses:

OLIVER J. DECKER,

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