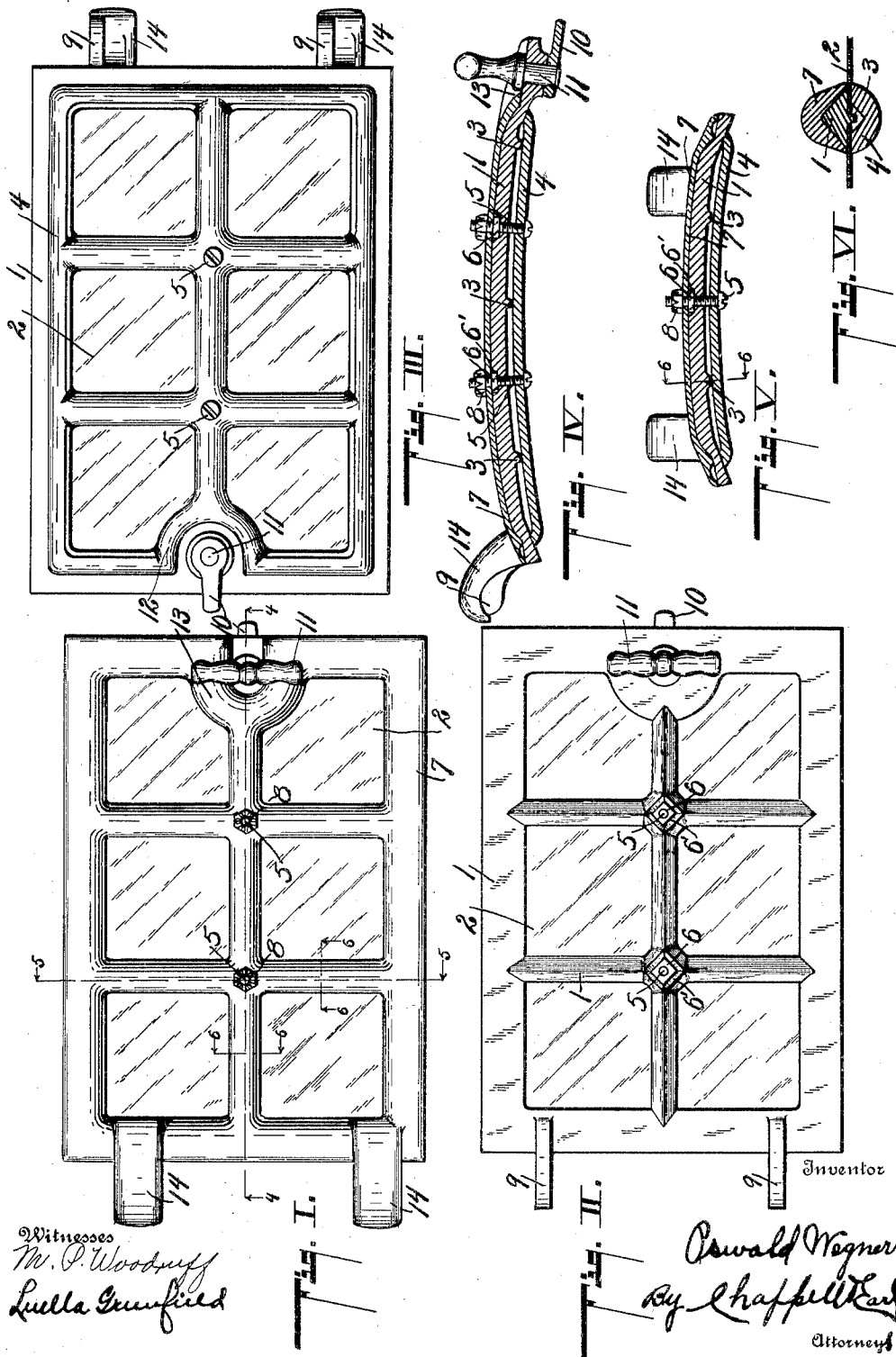


O. WEGNER.
STOVE DOOR OR WINDOW.
APPLICATION FILED JAN. 21, 1911.

1,009,814.

Patented Nov. 28, 1911.



UNITED STATES PATENT OFFICE.

OSWALD WEGNER, OF DOWAGIAC, MICHIGAN.

STOVE DOOR OR WINDOW.

1,009,814.

Specification of Letters Patent.

Patented Nov. 28, 1911.

Application filed January 21, 1911. Serial No. 603,914.

To all whom it may concern:

Be it known that I, OSWALD WEGNER, a citizen of the United States, residing at Dowagiac, Michigan, have invented certain new and useful Improvements in Stove Doors or Windows, of which the following is a specification.

This invention relates to improvements in stove doors or windows.

10 The main objects of this invention are: first, to provide an improved stove door or window in which the panels are effectively supported, and one in which the metal parts may be readily polished or finished without soiling the panels, and the panels washed without spoiling the outer finishing metal parts.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

25 The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

30 Figure I is a front view of a stove door embodying the features of my invention. Fig. II is a front view of the outer facing or finishing frame removed. Fig. III is a rear view. Fig. IV is a longitudinal section taken on a line corresponding to line 4—4 of Fig. I. Fig. V is a transverse section taken on a line corresponding to line 5—5 of Fig. I. Fig. VI is a detail section taken on a line corresponding to line 6—6 of Fig. I.

40 In the drawings, similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, my improved stove door or window consists of the main frame 1, comprising side, end and cross frame pieces. The cross frame pieces are preferably A-shaped in cross section, as illustrated. The panels 2 are of isinglass or other suitable transparent material. The main frame is provided with panel supporting lugs 3, on its inner side. The panels

are clamped to the main frame by means 55 of the panel clamping frame 4. This clamping frame comprises of side, end and cross pieces arranged to correspond to the side, end and cross pieces of the main frame.

The clamping frame is secured to the 60 main frame by means of the bolts 5. The nuts 6 secure the clamping frame. The main frame 1 is provided with seats 6' for the nuts. Bolts having screw heads are preferably used. The pieces of the panel 65 clamping frame are preferably longitudinally grooved, as shown in Fig. VI, to receive the panel supporting lugs 3.

The facing or finishing frame 7 comprises side, end and cross bars, arranged to correspond to and cover the side, end and cross bars of the main frame. The cross bars of the facing frame are adapted to embrace the cross bars of the main frame, as clearly appears in Fig. VI. By forming these main 75 frame cross bars A-shaped and providing longitudinal grooves of corresponding shape in the facing frame, the facing frame is when drawn into place by the nut 8, properly centered and supported. The facing or 80 finishing frame may be removed and polished or finished, without soiling the panels, and can be quickly replaced. Or, if it is desired to wash the panels, the finishing or facing frame can be removed so that it is 85 not soiled.

The structure illustrated is a stove door, and the main frame is provided with hinges 9, at one end, and a latch 10 at the other, the latch spindle 11 being arranged through the 90 end cross piece of the frame in a central position. The clamping frame 4 is offset at 12 to accommodate the spindle. The facing frame is offset at 13 to accommodate the spindle. The facing frame is provided with 95 projecting arm-like housings 14 for the hinge members 9. The frames are preferably concave-convex in general form, which facilitates the fitting of them together. My improvements greatly facilitate the cleaning 100 or blacking of a stove or if desired, the outer frame may be suitably nicked or finished otherwise.

I have illustrated and described my improvements in detail in a practical embodi- 105 ment. I am aware that considerable structural variations are possible, but as such variations will no doubt be obvious to those

skilled in the art to which this invention relates, I have not attempted to illustrate or describe the same herein.

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

1. In a structure of the class described, the combination with the main frame comprising side, end and cross bars, the cross bars being A-shaped in cross section and having panel supporting lugs on their inner sides, the rear end bar being provided with projecting hinge members; a latch comprising a spindle arranged through the front end bar of said main frame; panels arranged on the rear side of said main frame between its panel supporting lugs; a panel clamping frame comprising side, end and cross bars corresponding to said main frame, the cross bars of said clamping frame being grooved to receive said panel supporting lugs of said main frame, the front end bar thereof being offset to receive said latch spindle; a facing frame comprising side end and cross bars adapted to cover said main frame, the cross bars being adapted to embrace the cross bars of said main frame, the rear end bar being provided with projecting housings for said main frame hinge members, the front end bar being offset to receive said latch spindle; clamping bolts arranged through said frames at the crossing points of the cross bars thereof; clamping nuts for said panel frame arranged on said bolts, said main frame being provided with seats for said nuts; and clamping nuts on said bolts for said facing frame.

2. In a structure of the class described, the combination with the main frame comprising side, end and cross bars, the rear end bar being provided with projecting hinge members; a latch comprising a spindle arranged through the front end bar of said main frame; panels arranged on the rear side of said main frame; a panel clamping frame comprising side, end and cross bars corresponding to said main frame, the front end bar thereof being offset to receive said latch spindle; a facing frame comprising side, end and cross bars adapted to cover said main frame, the rear end bar being provided with projecting housings for said main frame hinge members, the front end bar being offset to receive said latch spindle; clamping bolts arranged through said frames at the crossing points of the cross bars thereof; clamping nuts for said panel frame arranged on said bolts, said main

frame being provided with seats for said nuts; and clamping nuts on said bolts for said facing frame.

3. In a structure of the class described, the combination with the main frame comprising side, end and cross bars, the cross bars being A-shaped in cross section and having panel supporting lugs on their inner sides; panels arranged on the rear side of said main frame between its panel supporting lugs; a panel clamping frame comprising side, end and cross bars corresponding to said main frame, the cross bars of said clamping frame being adapted to receive said panel supporting lugs of said main frame; a facing frame comprising side, end and cross bars adapted to cover said main frame, the cross bars being adapted to embrace the cross bars of said main frame; clamping bolts arranged through said frames; clamping nuts for said panel frame arranged on said bolts; and clamping nuts on said bolts for said facing frame.

4. In a structure of the class described, the combination with the main frame; panels arranged on the rear side of said main frame; a panel clamping frame arranged on the inside of said main frame; a facing frame having frame pieces disposed to correspond to said main frame and arranged on the outer side thereof to cover the same; a clamping bolt arranged through said frames; and nuts arranged on said bolt, there being a nut arranged between the main and the facing frame to permit the removal of the facing frame without loosening the panel clamping frame.

5. In a structure of the class described, the combination with the main frame; panels arranged on the rear side of said main frame; a panel clamping frame arranged on the inside of said main frame; a facing frame having frame pieces disposed to correspond to said main frame and arranged on the outer side thereof to cover the same, and means for securing said frames together adapted to permit the ready removal of the facing frame without disturbing the panel clamping frame, for the purpose specified.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

OSWALD WEGNER. [L. S.]

Witnesses:

LEO A. DONAHOE,
WILLIAM H. CHRISTIE.