

C. A. KIRTLAND.
 Plate Glass Face Protector.

No. 202,175.

Patented April 9, 1878.

Fig: 1.

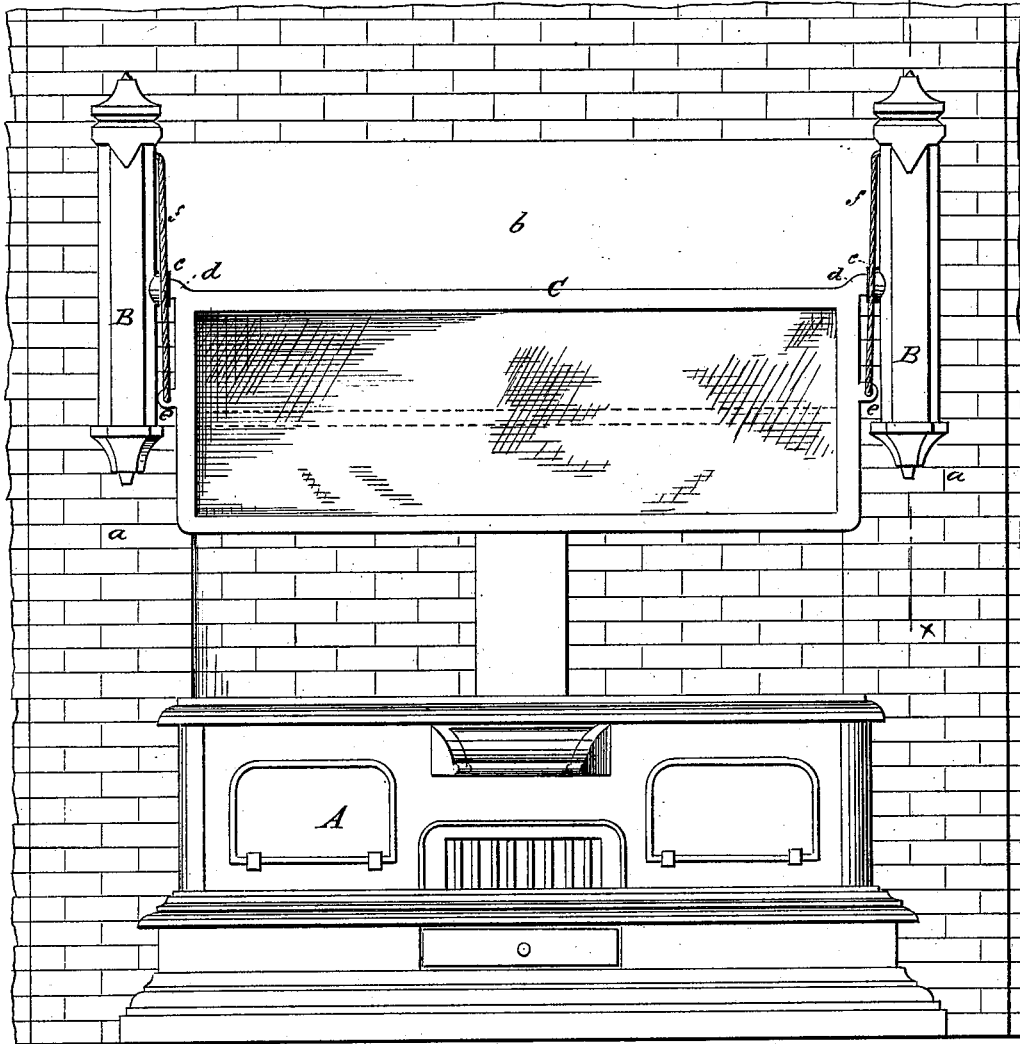
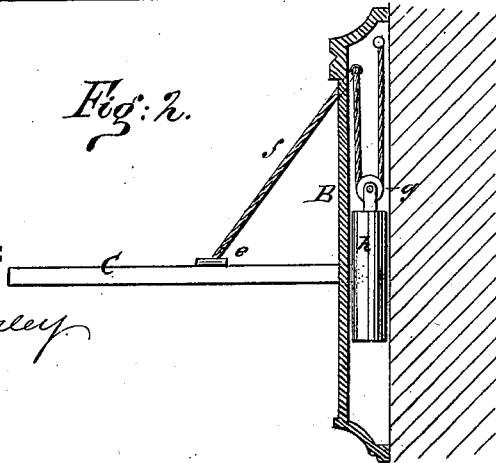


Fig: 2.



WITNESSES:

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IMPROVEMENT IN PLATE-GLASS FACE-PROTECTORS.

Specification forming part of Letters Patent No. 202,175, dated April 9, 1878; application filed March 1, 1878.

To all whom it may concern:

Be it known that I, CHARLES A. KIRTLAND, of the city, county, and State of New York, have invented a new and Improved Plate-Glass Face-Protector, of which the following is a specification:

Figure 1 is a front elevation of a cooking-range having my improved plate-glass face-protector applied. Fig. 2 is a vertical section taken on line *x x* in Fig. 1.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

Referring to the drawings, A is a range, which is set between the two piers *a*, and below the chimney-breast *b*. To each pier a weight-casing, B, is secured, in the sides of which sockets *c* are formed for receiving the pivots *d* of the frame C. The frame C is of sufficient length to overlap the piers a short distance, and is wide enough to reach from the chimney-breast about half-way to the top of the range.

Short arms *e* project from the ends of the frame C at or near the middle, and are apertured to receive a rope, *f*, which passes through a hole in the weight-casing, and downward under a pulley, *g*, attached to the weight *h*, contained by the casing, thence upward to the top of the casing, where it is fastened.

The frame C contains a sheet of plate-glass, and is counterbalanced by the weights *h*, so that when the frame is turned on its pivots and allowed to rest it will remain in the re-

quired position, the friction of the rope in the hole in the casing being sufficient to prevent it from moving accidentally.

The glass screen protects the face from the heat of the range, while it permits of seeing the vessels on the range.

Instead of a single sheet of glass, several pieces may be fitted to the sash or frame, and the frame may be divided longitudinally and hinged together so that one part may fold upon the other.

The frame containing the glass may be placed in vertical guides formed in the sides of the weight-casings, when it will rise and fall vertically, instead of swinging on pivots.

It is obvious that the form and arrangement of the parts may be changed without departing from my invention; therefore I do not limit or confine myself to the exact form, proportion, or arrangement herein shown and described.

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

The frame C, containing a sheet of glass, and having pivots *d*, the weight-casings B, having sockets *c*, and the counterbalance-weight *h*, in combination, substantially as herein shown and described.

CHARLES A. KIRTLAND.

Witnesses:

C. SEDGWICK,
GEO. M. HOPKINS.