

C. F. CHEW.
Upright-Pianoforte Frame.

No. 207,947.

Patented Sept. 10, 1878.

Figure 1.

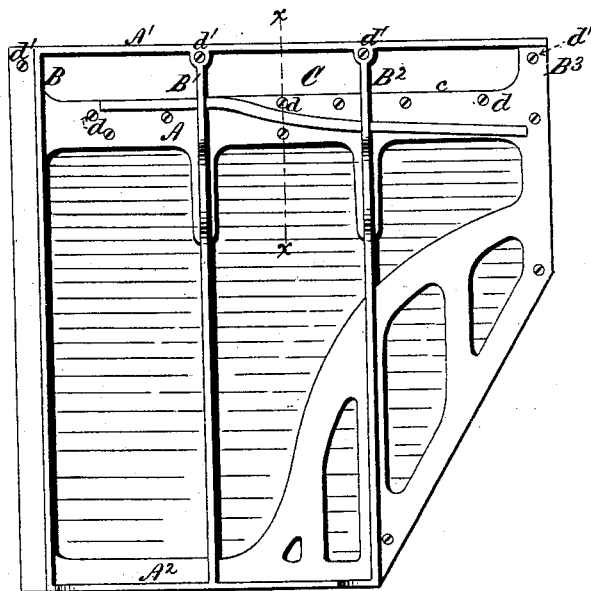


Figure 2.

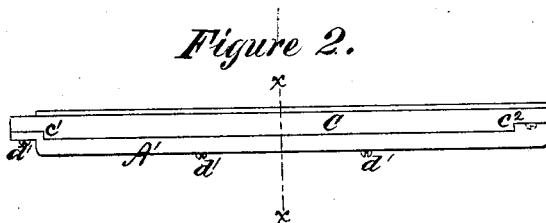
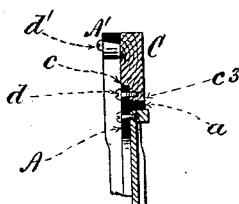


Figure 3.



Witnesses:

Geo. W. Miatt

Edw. Payson

Inventor:

Charles F. Chew
Per Edw. E. Quincy,
atty.

UNITED STATES PATENT OFFICE.

CHARLES F. CHEW, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN UPRIGHT PIANO-FORTE FRAMES.

Specification forming part of Letters Patent No. 207,947, dated September 10, 1878; application filed April 4, 1878.

To all whom it may concern:

Be it known that I, CHARLES F. CHEW, of Bridgeport, Connecticut, have invented certain Improvements in Upright Piano-Forte Frames, of which the following is a specification:

It is the object of my invention to cheapen the construction of upright piano frames, and especially to facilitate the application to them of the wrest-plank; and my invention consists in providing upon the back side of the cast-iron frame a seat for a wrest-plank, having a shoulder along its lower edge and ends, and in securing the wrest-plank to the back side of the frame by means of screws or bolts inserted through the frame from the front side.

The accompanying drawings, representing my invention, are as follows: Figure 1 is a front view of the iron frame and the wrest-plank. Fig. 2 is a view of the upper edge of the same, and Fig. 3 is a transverse section through a portion of the frame on the line *xx* in Figs. 1 and 2.

It will be seen, on reference to the drawings, that my cast-iron frame, while having a general resemblance to an ordinary piano-frame, is provided near its upper end with a flat cross-bar, A, and that this cross-bar is provided upon its back side with the projecting flange *a*. The four vertical bars B B¹ B² B³ of the frame extend upward from the cross-bar A to the upper cross-bar, A¹.

The wrest-plank C is provided on the lower part of its front side with the shoulder *c*, and upon its ends with similar shoulders *c*¹ and *c*².

The upper edge of the cross-bar A forms a bearing for the shoulder *c*, and the backwardly-projecting flange *a* forms a bearing for the extreme lower edge *c*³ of the wrest-plank. That portion of the wrest-plank outside the shoulders *c*, *c*¹, and *c*² bears against the back side of the frame, and is secured thereto by the screws *d* through the upper portion of the cross-bar A. The wrest-plank is further secured by the screws *d*¹ through the upper portion of the vertical bars of the frame. The frame has the usual cross-bar A² at the bottom.

It will thus be seen that the wrest-plank is seated on the back side of the frame, and may be easily detached, if occasion arises, by removing the screws from the front side. The wrest-plank is afforded an adequate support to enable it to resist the pull of the strings by the front edge of the cross-bar A and the front edge of the flange *a*.

I claim as my invention—

A cast-iron frame for upright pianos, provided with the flange *a*, projecting backwardly from the cross-bar A, in combination with the wrest-plank C, having the shoulders *c* *c*¹ *c*², and secured to the iron frame by screws inserted through the frame from its front side, constructed and arranged to operate substantially as shown and described.

C. F. CHEW.

Witnesses:

S. F. POMEROY,
GEO. W. WARNER.