

No. 745,103.

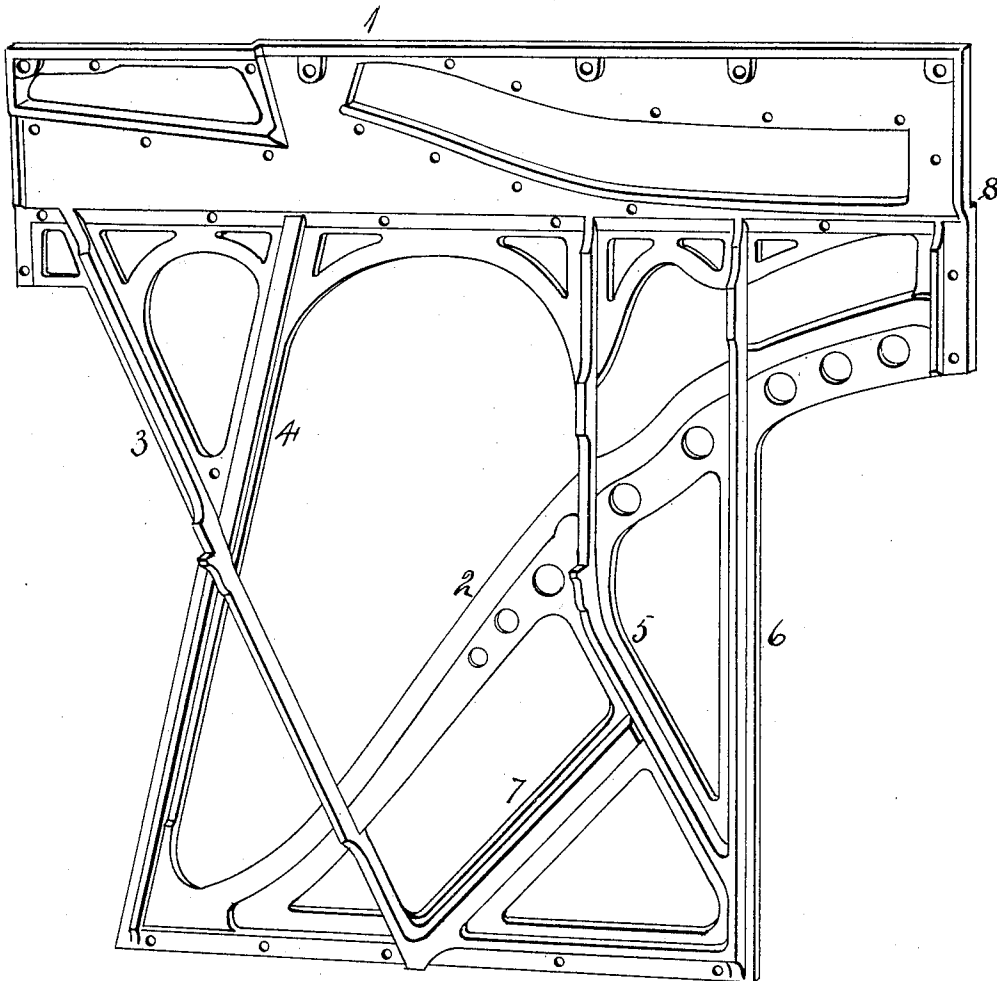
PATENTED NOV. 24, 1903.

C. A. HADDORFF,  
PLATE FOR PIANOS.

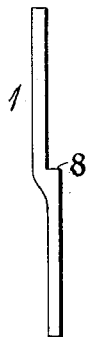
APPLICATION FILED MAR. 27, 1903.

NO MODEL.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
H. Blagk  
E. Becker

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By A. O. Sehel  
Att.

## UNITED STATES PATENT OFFICE.

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PIANO COMPANY, OF ROCKFORD, ILLINOIS, A CORPORATION OF ILLINOIS.

## PLATE FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 745,103, dated November 24, 1903.

Application filed March 27, 1903. Serial No. 149,857. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. HADDORFF, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Plates for Pianos, of which the following is a specification.

The object of this invention is to construct a string-plate for pianos and similar musical instruments in which there is provided an offset portion and an abutment for the purpose of supporting the wrest-plate, so that the strain of the wires will be sustained by the said abutment and in direct alinement with the plane of the main portion of the plate.

In the accompanying drawings, Figure 1 is a perspective view looking at the front of my improved plate. Fig. 2 is an edge view of one end of the plate, showing the offset and abutment formed thereby.

The string-plate comprises the hitch-plate 2, that is supported by the several braces 3, 4, 5, and 6. The support 7 for the base-wires extends from the brace member 5 to the lower end portion at the end of the brace member 3.

At one end of the plate, which is preferably the upper end in what are known as "up-right" pianos, is an integral extension 1, that is offset forwardly from the adjacent portion of the plate and extends throughout the whole

length thereof. This forwardly-offset extension forms an abutment or ledge 8 at the rear side of the plate that is located at right angles to and in direct alinement with the front side of the main portion of the plate.

When the wrest-plank is secured to the extension 1 its face or edge will engage and rest upon the abutment-face 8. Consequently the strain of the wires on the wrest-plate is borne upon this abutment 8 and in a direction coinciding with the plane of the front side of the plate. This construction will overcome any tendency of the tension of the wires to spring or buckle the plate and also to spring the wrest-plank away from its attachment to the plate.

What I claim is—

A string-plate for musical instruments having an integral forwardly-extending offset portion extending entirely across the upper end of the plate and forming an abutment or ledge on the rear side of the plate for engagement with the wrest-plank, the inner edge of said abutment or ledge being in the same plane with the front side of the main portion of the plate.

CHARLES A. HADDORFF.

Witnesses:

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