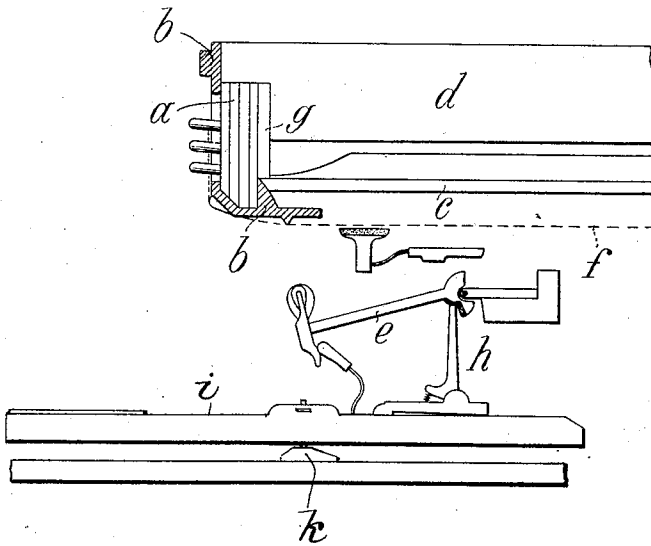


W. SIEGEL.
HORIZONTAL PIANO.
APPLICATION FILED JULY 12, 1911.

1,049,278.

Patented Dec. 31, 1912.



Witnesses:
Man: *Handwritten signature*
Adolf Seppelt.

Inventor:
William Siegel

UNITED STATES PATENT OFFICE.

WILLIAM SIEGEL, OF STADE, NEAR HAMBURG, GERMANY.

HORIZONTAL PIANO.

1,049,278.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed July 12, 1911. Serial No. 638,105.

To all whom it may concern:

Be it known that I, WILLIAM SIEGEL, manufacturer, a subject of the German Emperor, and residing in Stade, near Hamburg, in Germany, have invented new and useful Improvements in Horizontal Pianos, of which the following is a specification.

This invention relates to horizontal pianos and has for its object a new arrangement of the sounding board and the set of strings. In contrast with the pianos of the said kind in use, the frame with the sounding board and the set of strings are inverted, and the hammers strike the strings from below. By this arrangement the sounding-board can be directly glued upon the frame, whereby that part of the sounding board which is lying before the bridges is gained for the sounding effect. Furthermore, the length of the horizontal piano can be shortened.

For carrying out my invention, I have illustrated an example of the new arrangement in the accompanying drawing which shows the forepart of a horizontal piano, according to the invention, partly in section.

The wrest-plank *a* is fixed rectangular to

the string plate *b* and the sounding-board *c* is situated below the frame *d*. For allowing the heads of the hammers *e* of the action to strike the set of strings *f*, the latter is established on the lower side of the sounding-board *c*. The sounding-board is fixed by gluing it to the part *g* of the wrest-plank.

The action *h* may be of any well known kind. In the drawing, character *i* designates a key and *k* the balance rail.

Having now fully described my invention and in what manner it is performed, what I claim as new and desire to secure by Letters Patent, is:—

A horizontal piano having the sounding-board fixed directly to the wrest-plank, the sounding-board below the frame and the set of strings on the lower side of the sounding-board, the hammers of the action striking the strings from below, substantially as and for the purpose described.

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

WILLIAM SIEGEL.

Witnesses:

GUSTAVE L. GENTZ,
FREDERICK SIEGEL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."