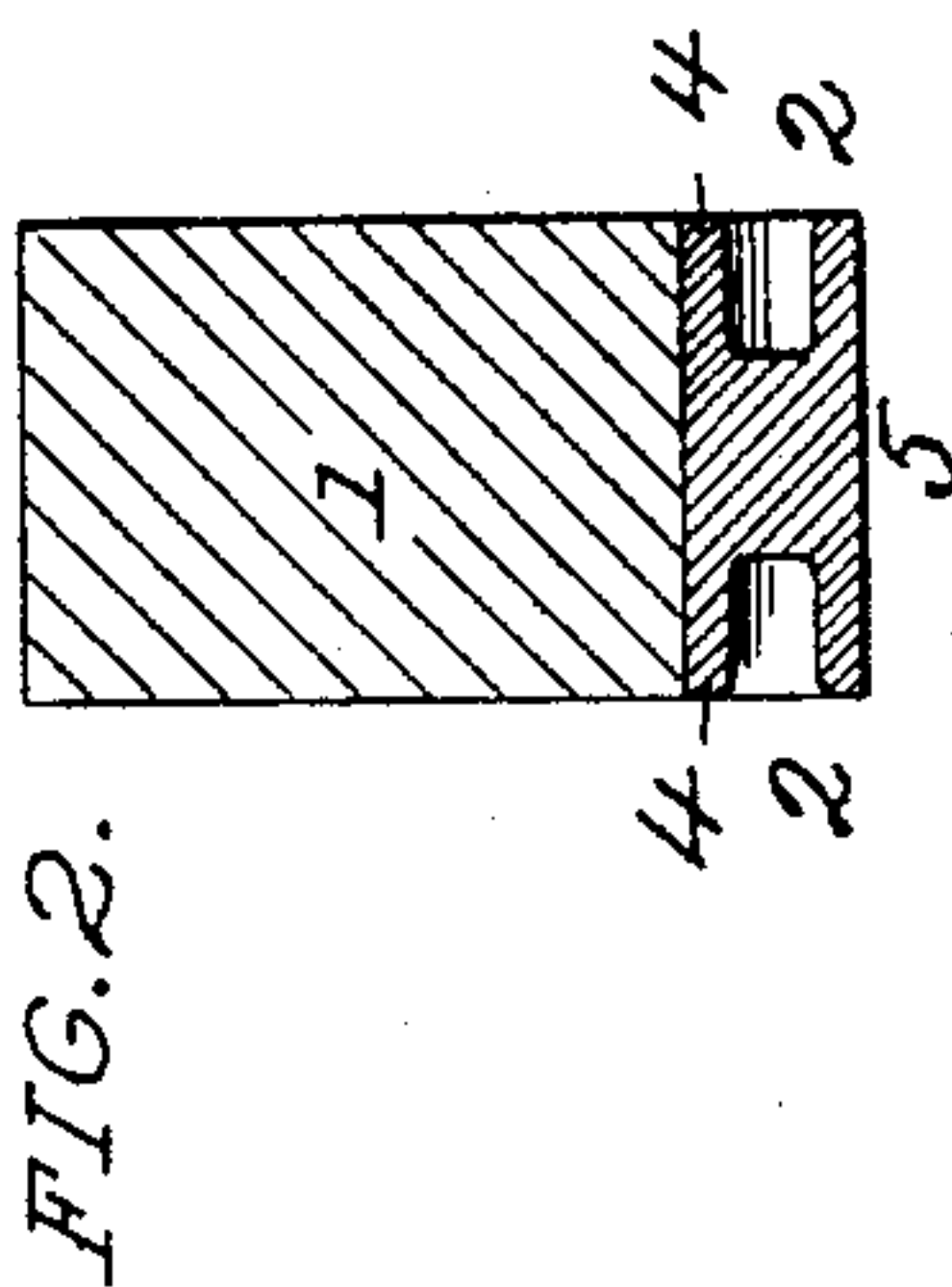
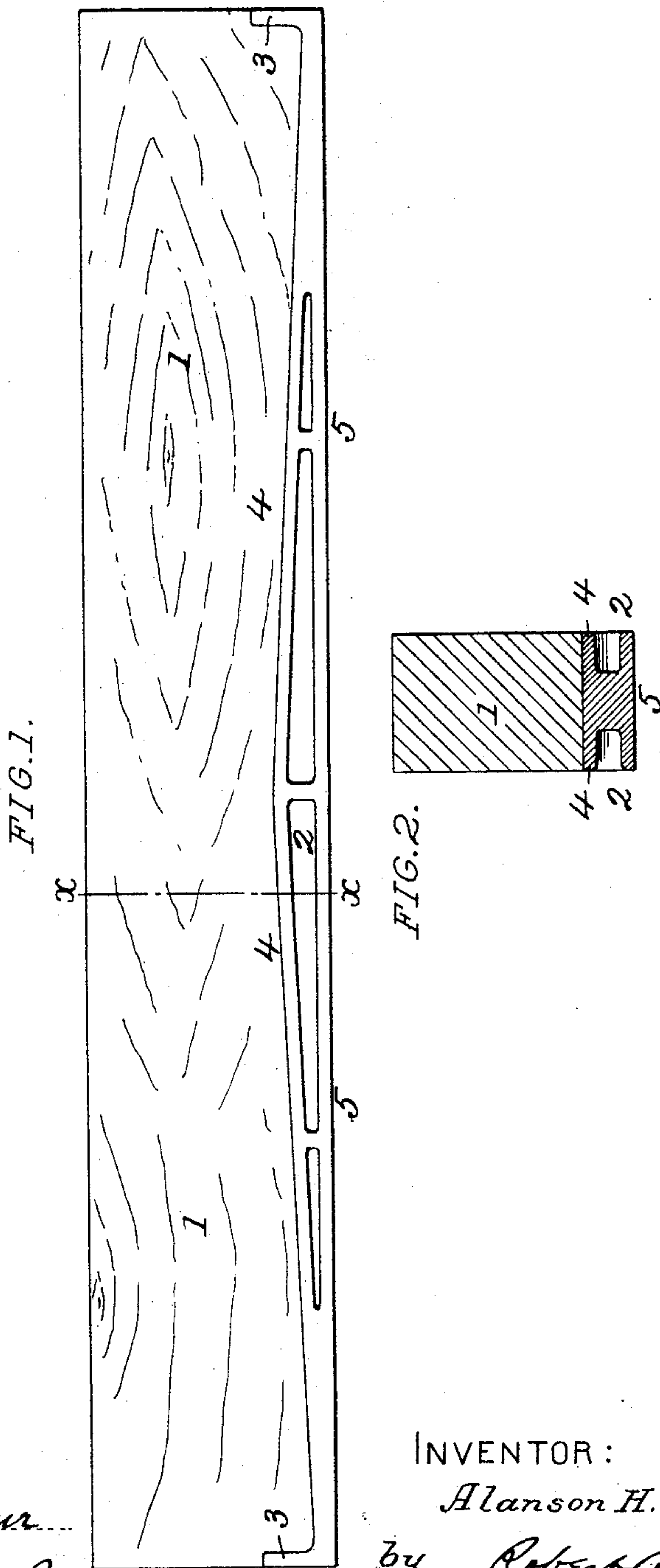


(No Model.)

A. H. REED.
WREST PLANK FOR PIANOS.

No. 465,417.

Patented Dec. 15, 1891.



ATTEST:

Geo H Arthur

Geo M Graft

INVENTOR:

Alanson H. Reed

by *Robert L. Burns*
Attorney.

UNITED STATES PATENT OFFICE.

ALANSON H. REED, OF CHICAGO, ILLINOIS.

WREST-PLANK FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 465,417, dated December 15, 1891.

Application filed February 6, 1891. Renewed November 21, 1891. Serial No. 412,686. (No model.)

To all whom it may concern:

Be it known that I, ALANSON H. REED, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pin-Blocks or Wrest-Planks for Pianos; and I do hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to the pin-block or wrest-plank of pianos that carry the tuning-pins or other devices for the piano-strings.

The object of the present improvement is to provide an improved construction of such pin-blocks or wrest-planks embodying the very requisite features of great rigidity to resist flexure or springing by the strain of the piano-strings, combined with compactness and lightness of structure. I attain such object by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a pin-block or wrest-plank embodying my present invention; Fig. 2, a cross-section thereof at line *x x*.

Similar numerals of reference indicate like parts in both views.

Referring to the drawings, 1 represents the main body or wooden portion of the wrest-plank or pin-block that carries the tuning-pins 2 or other tuning devices, and 2 the arch-shaped metal stiffening-brace for the same extending along the under surface of wrest-plank and having end webs or flanges 3, that engage the ends of the plank, as shown.

In my preferred construction the under surface of the wrest-plank will be cut away to fit the curved top or arched member 4 of the brace, and it is preferable to make the said brace of a width equal to the plank, with its lower web 5 or surface plane, so as to readily fit and bear along its whole length against the

string-plate or other portion of the piano by which it is supported.

The metal used in forming the brace 2 may be either any suitable cast metal or a suitable wrought metal pressed or forged into the desired shape, preferably by pressure between suitable dies.

While the particular form of metal brace-piece 2 shown in the drawings is my preferred construction, yet any other well-known and approved strength and rigidity imparting form of the brace-piece may be employed instead without departing from the spirit of my present invention.

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

1. A wrest-plank for pianos, comprising a main wooden body carrying the tuning devices and an arched metal brace attached to the under side of said wooden body, substantially as described.

2. A wrest-plank for pianos, comprising a main wooden body carrying the tuning devices and an arched metal brace, the lower face of which is plane and its upper face arched, the under face of the plank being cut away to rest against said arched face of the brace, substantially as set forth.

3. A wrest-plank for pianos, comprising a main wooden body carrying the tuning devices and an arched metal brace attached to the under side of said wooden body and provided with end webs or flanges, against which the ends of the plank abut, substantially as set forth.

4. As an improved article of manufacture, an arch-formed brace for piano wrest-planks of pressed wrought metal, substantially as set forth.

In testimony whereof witness my hand this 3d day of February, 1891.

ALANSON H. REED.

In presence of—

ROBERT BURNS,
GEO. H. ARTHUR.