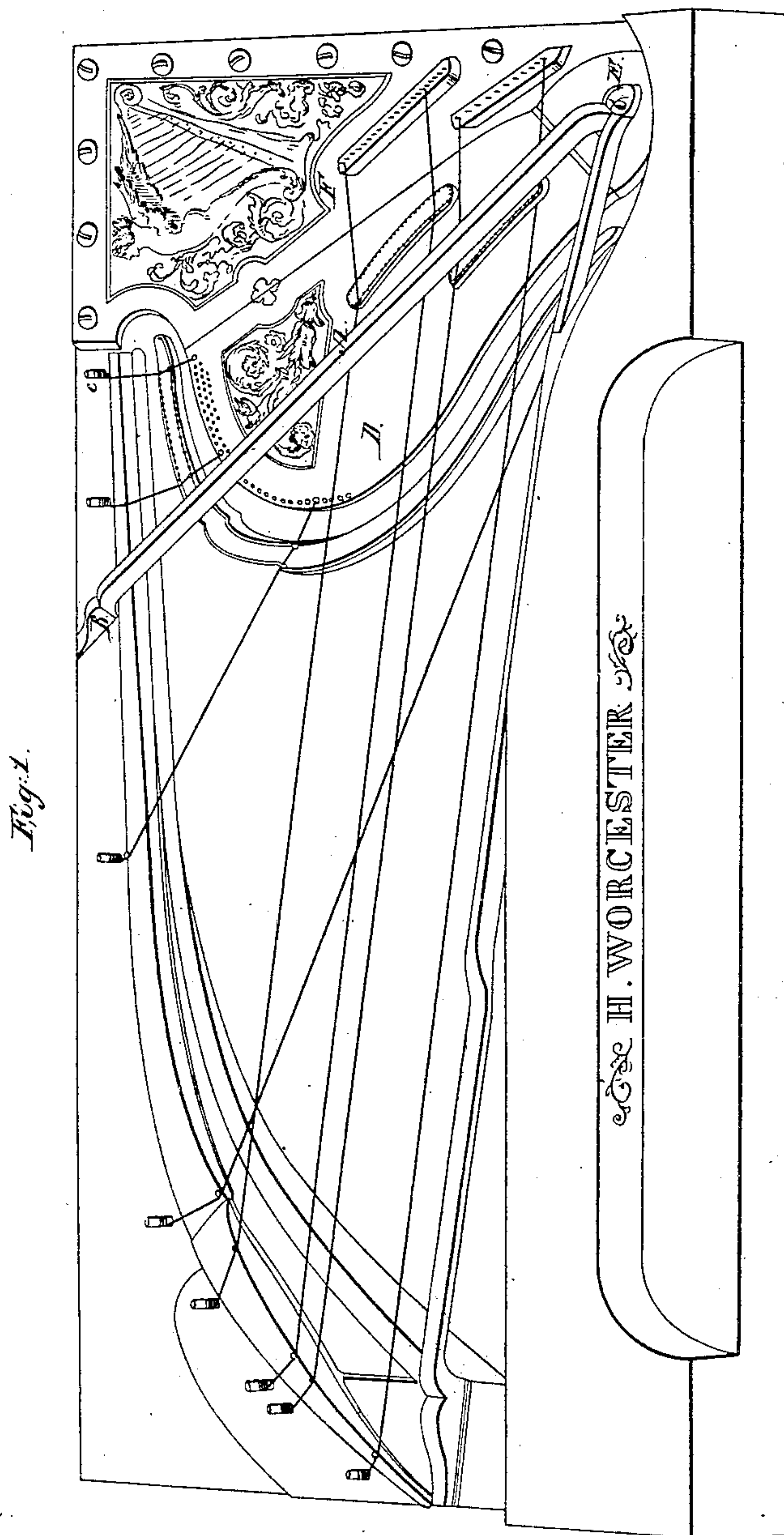


H. WORCESTER.
IRON FRAME FOR PIANOS.

No. 35,484.

Patented June 3, 1862.



Witnesses:
Wm. H. Bird
J. C. McFarland

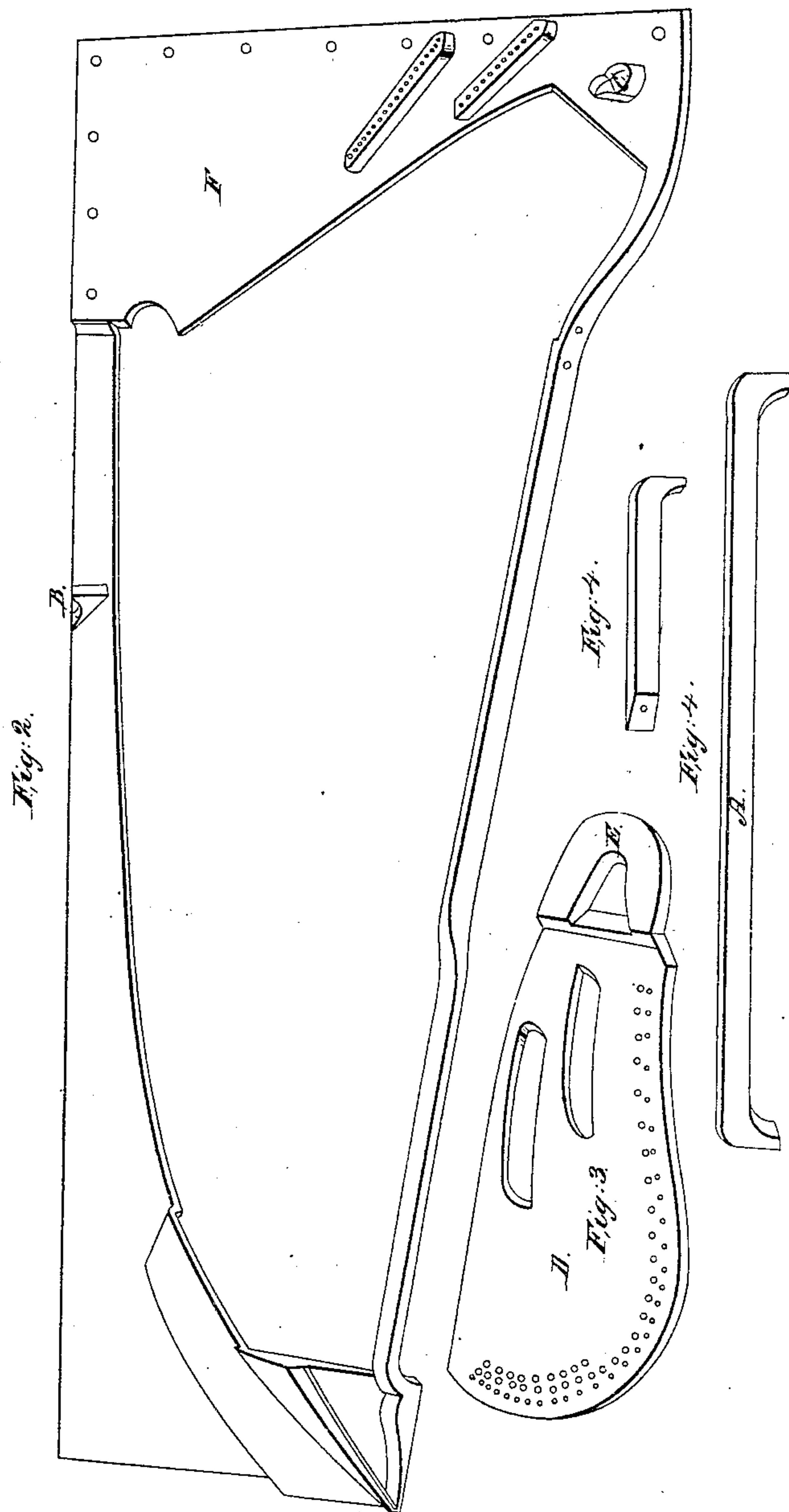
Inventor:
H. Worcester

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2 Sheets—Sheet 2.

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Witnesses:
M. H. Ford
J. M. Farland

Inventor:
H. Worcester

UNITED STATES PATENT OFFICE.

HORATIO WORCESTER, OF NEW YORK, N. Y.

IMPROVEMENT IN IRON FRAMES OF PIANOS.

Specification forming part of Letters Patent No. **35,484**, dated June 3, 1862.

To all whom it may concern:

Be it known that I, HORATIO WORCESTER, of New York, have invented a new and Improved Plate for Piano-Fortes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked therein.

My invention consists in making the plate in two pieces, D and F, the stationary part being fastened to the instrument in the usual manner, the part to which the strings are hitched D being constructed separately, with a link or opening in the base end, by which it is suspended to the abutment C on the stationary part F of the plate at the right-hand front corner, as shown in the drawing, thus forming a hinge or coupling, E, upon which the de-

tached portion of the plate D moves freely in connection with the springs while they are in motion, thereby communicating increased vibratory power throughout the whole extent of the sounding-board under the plate.

I do not claim the brace A itself, that having been used before, cast solidly with the plate; but

I do claim as new and desire to secure by Letters Patent—

The plate made in two pieces, D and F, connected by a hinge or coupling, E, the effect of both being to give a more full and complete vibration to the sounding board.

H. WORCESTER.

Witnesses:

WM. H. BIRD,
J. MCFARLAND.