

H. Seidel,
Piano Action,
No 77,845. Patented May 12, 1868.

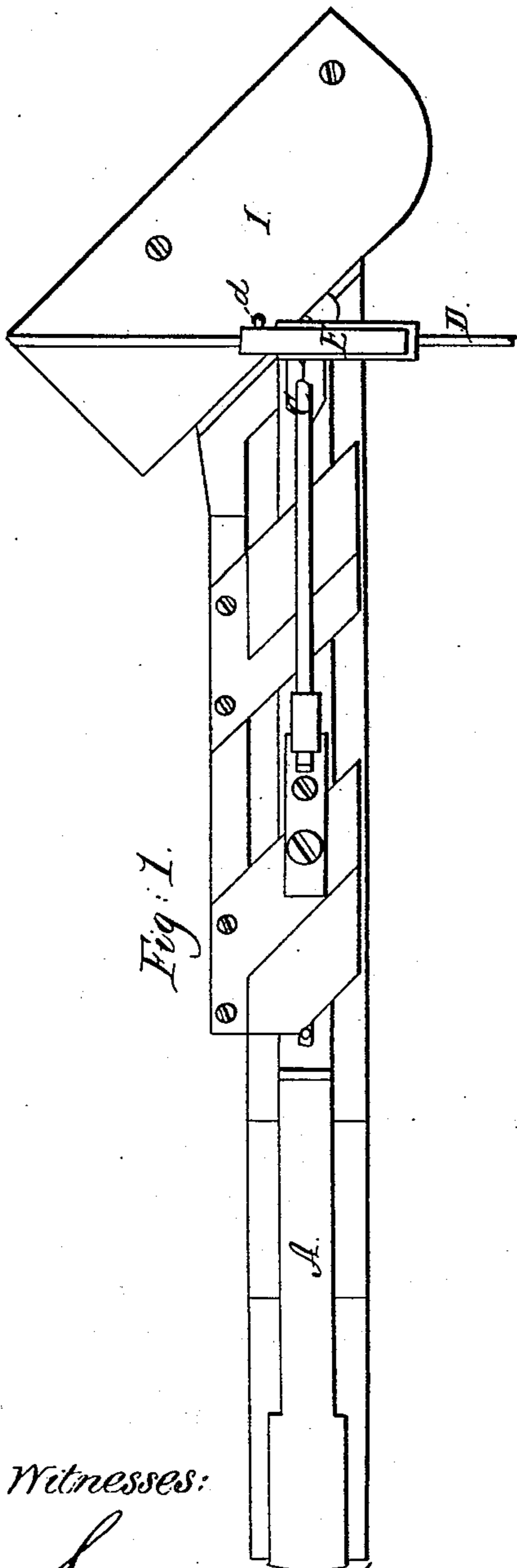


Fig: 1.

Witnesses:

Samuel N. Piper.
Lauritz Möller.

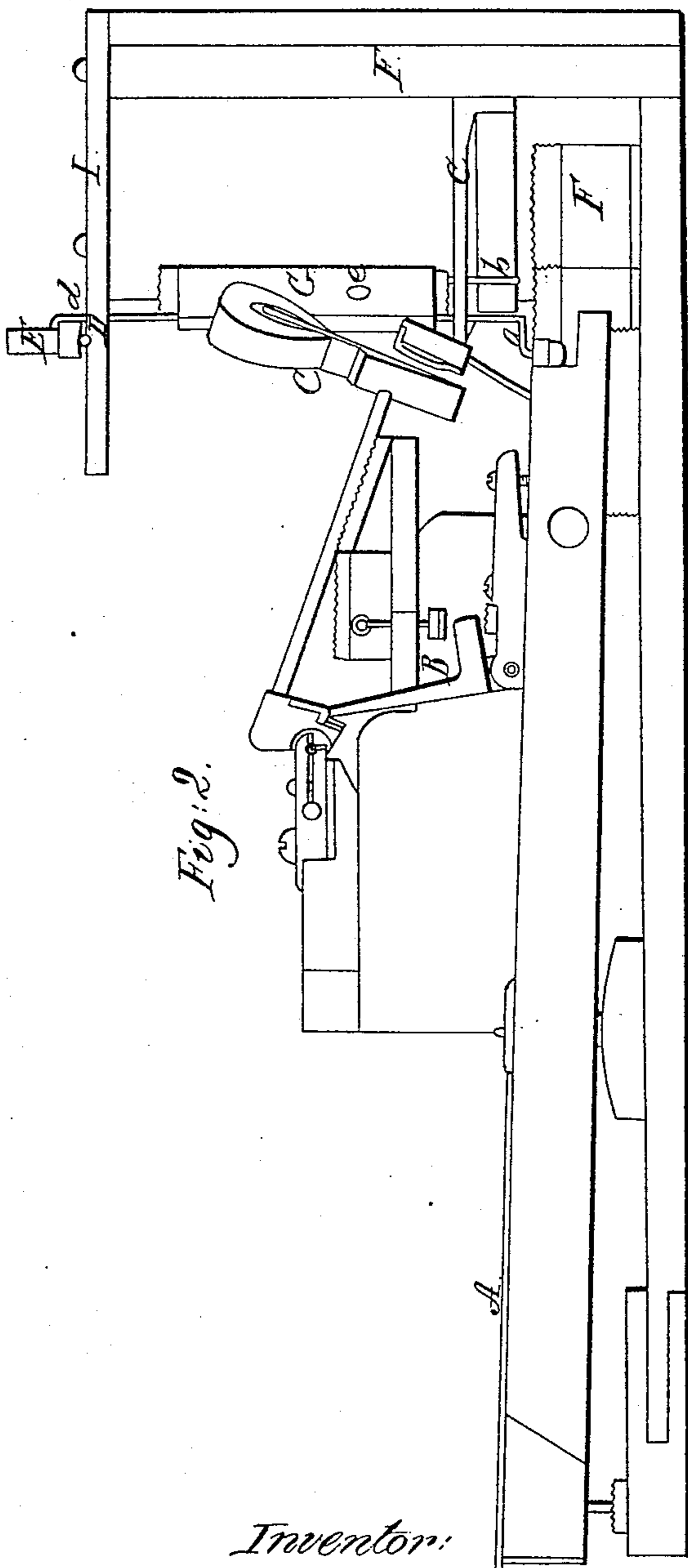


Fig: 2.

Inventor:
Herman Seidel.
by his attorney
R. H. Eddy

United States Patent Office.

HERMAN SEIDEL, OF ROXBURY, MASSACHUSETTS.

Letters Patent No. 77,845, dated May 12, 1868; antedated May 2, 1868.

IMPROVEMENT IN PIANO-FORTE ACTION.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, HERMAN SEIDEL, of Roxbury, in the county of Norfolk, and State of Massachusetts, a citizen of the Duchy of Nassau, have invented a new and useful Improvement in Piano-Fortes; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, and

Figure 2 a side elevation of a piano-forte action as improved by me.

In such drawings, A denotes the key, B the fly or jack, C the hammer, D the string, and E the damper, they being of the usual form, construction, and arrangement, except that the key does not extend underneath the rest-block F, by which the metallic frame I, for sustaining the strings, is supported.

In my piano-action, the weight-piece of the damper, instead of being arranged as a lever, so as to rest on the damper, or below the rest-block, and upon the key, is a simple loaded piece of wood, G, arranged vertically in front of and close to the rest-block, and provided with a wire foot, *a*, to rest on the rear part of the key. The said foot, as well as a guide-pin, *b*, also extended from the lower end of the weight-piece, slides freely through a guide-shelf, *c*, projecting from the rest-block, such guide-pin *b* serving to prevent the weight-piece from turning around, so as to throw the foot *a* off the key. A stem or wire, *d*, projects up from the weight-piece, and through a hole in the frame I, and to and supports the damper, the latter being fixed upon such wire. The load of the weight-piece is shown at *e*.

By this arrangement of the weight-piece, the rest-block can be extended further down than usual, and thus be made stronger. Other advantages, also, result from it, as it avoids the use of levers and their joints for supporting the damper.

What I claim as my improvement or invention, is—

The arrangement of the weight-piece G, provided with a guide-pin, *b*, or its equivalent, with respect to the damper E, the key A, the frame I, and the rest-block F, the whole being substantially as hereinbefore explained.

HERMAN SEIDEL.

Witnesses.

R. H. EDDY,

SAMUEL N. PIPER.