

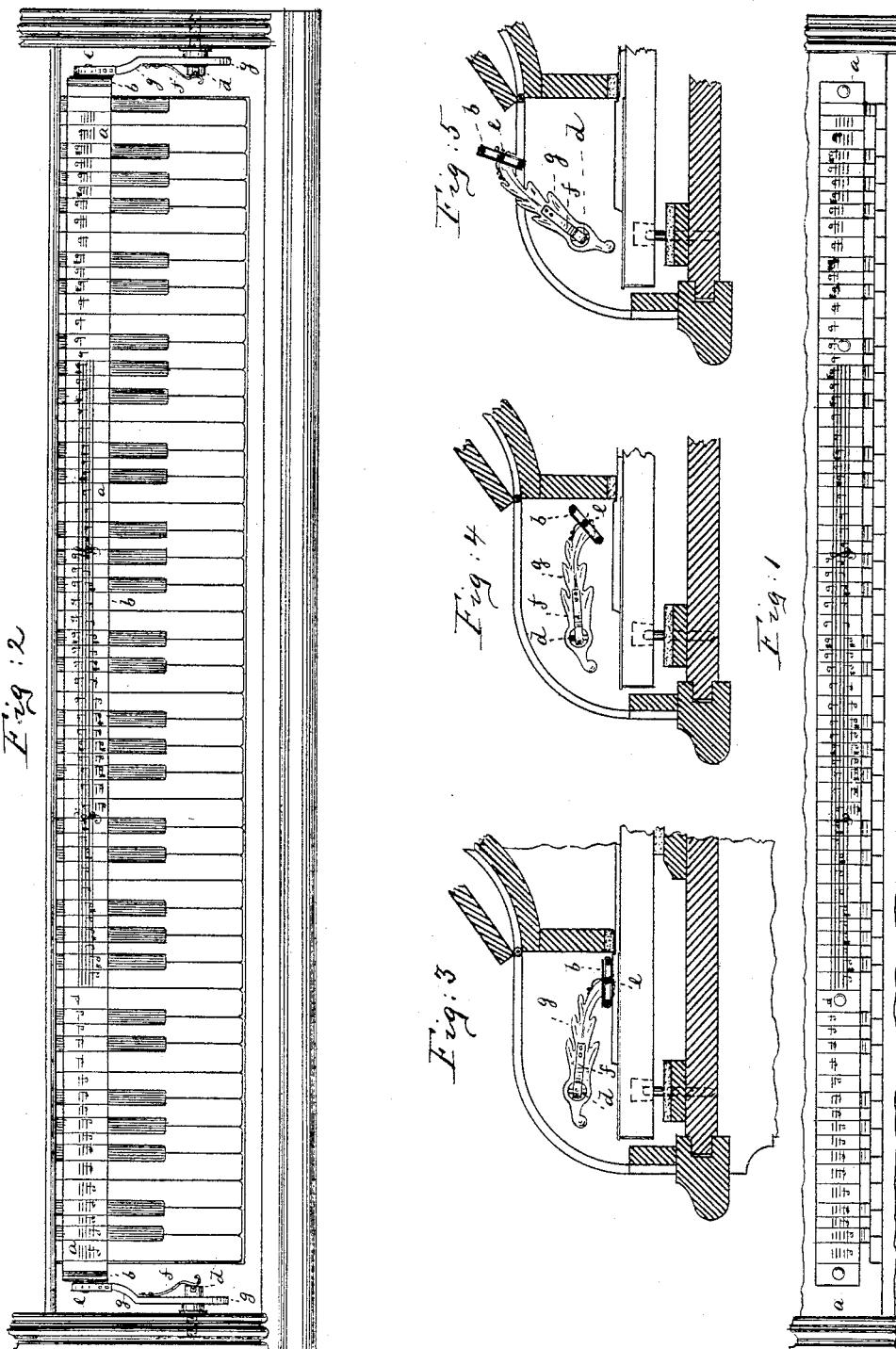
(No Model.)

C. RESS.

NOTE INDICATOR FOR PIANOS.

No. 346,222.

Patented July 27, 1886.



Witnesses
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UNITED STATES PATENT OFFICE.

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NOTE-INDICATOR FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 346,222, dated July 27, 1886.

Application filed August 31, 1885. Serial No. 175,714. (No model.)

To all whom it may concern:

Be it known that I, CARL RESS, of Leipsic, Saxony, in the Empire of Germany, have invented a new and Improved Note Attachment 5 for Pianos, of which the following specification is a full, clear, and exact description.

This invention relates to mechanism whereby a strip of paper containing the several notes may be supported at any desired inclination above the keys of a piano-forte or similar instrument. Thus the player is at all times enabled to ascertain whether he plays the correct note.

The invention consists in the elements of 15 construction hereinafter more fully pointed out.

In the accompanying drawings, Figure 1 is a face view of the strip and frame for carrying the same; Fig. 2, a front view of the key-board of a piano-forte provided with my invention. Figs. 3, 4, and 5 are sections thereof, showing the strip at different inclinations.

The letters *d* represent two pivots secured to the sides of the piano-frame at the right 25 and left of the key-board. These pivots are embraced by perforated arms or brackets *g*, which are free to turn thereon. The free ends of the arms *g* are also perforated or slotted for the reception of pins *e*, secured to a long narrow wire frame, *b*, which is thus supported above the key-board and extends from side to side thereof.

It will be seen that the frame *b* may be more

or less inclined by turning it on pins *e*, or that it may be moved farther backward or forward by turning brackets *g* on pivots *d*. The frame *b* supports a strip of paper, *a*, upon which the several notes are contained, the correct note being in all cases placed back of the corresponding key.

In order to lock brackets *g* in position, I employ springs *f*, which are attached to such brackets, and which at their free ends have a stud that engages a notch in the heads of pivots *d*. The pins *e* may also be locked by 45 means of springs.

I claim as my invention—

1. The combination of a piano-forte with frame *b*, extending back of and from side to side of the key-board and connected to the pivoted brackets *g*, and with strips *a*, secured upon frame *b*, and containing representation of the notes that correspond with the piano-keys, substantially as specified.

2. The combination of a piano-forte with 55 notched pivots *d*, brackets *g*, frame *b*, having pins *e*, and with springs *f*, secured to brackets *g*, and having studs for engaging the notched pivots *d*, substantially as specified.

In testimony whereof I have signed my name 60 to this specification in the presence of two subscribing witnesses.

CARL RESS.

Witnesses:

OTTO GÜNTHER,
MORITZ SPREER.