

(No Model.)

2 Sheets—Sheet 1.

E. P. CARPENTER.  
CABINET ORGAN.

No. 249,158.

Patented Nov. 8, 1881.

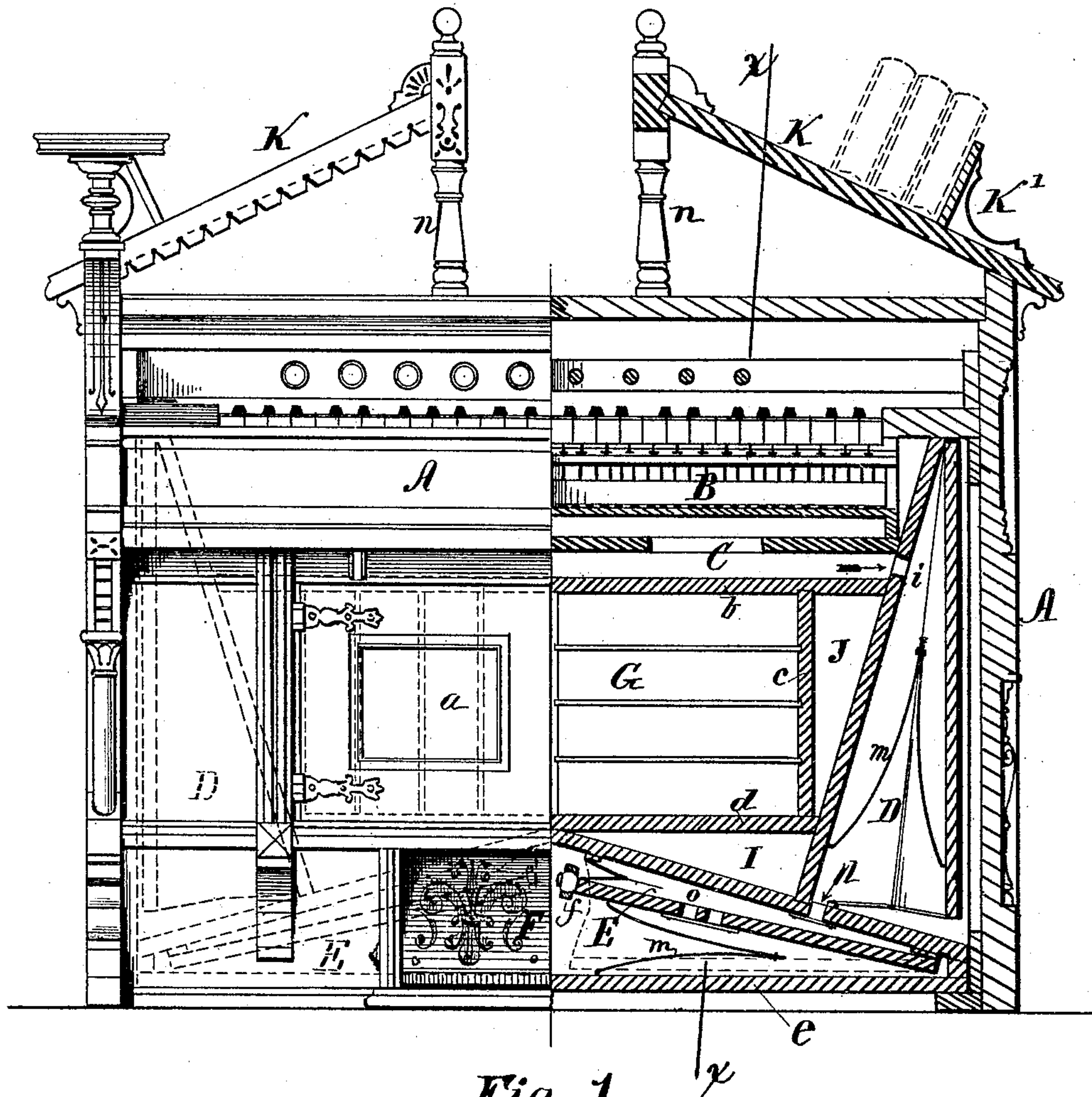


Fig. 1

Witnesses

S. R. Burton.  
Jacob. S. Wright

Inventor.

Edmund P. Carpenter  
by Chas. H. Durlough  
Att'y.

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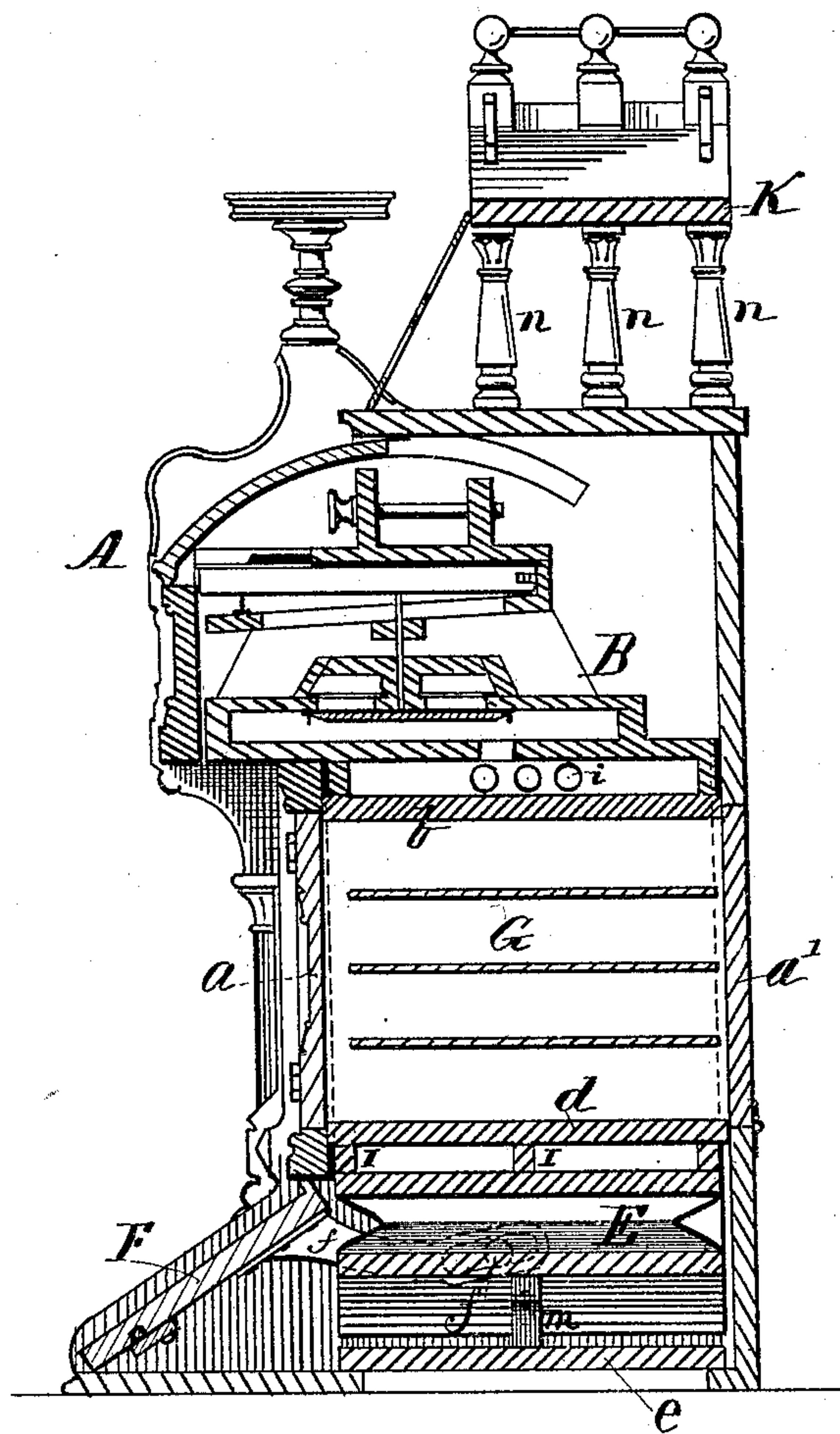


Fig. 2

Witnesses

*S. R. Bartow*  
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# UNITED STATES PATENT OFFICE.

EDWIN P. CARPENTER, OF WORCESTER, MASSACHUSETTS.

## CABINET-ORGAN.

SPECIFICATION forming part of Letters Patent No. 249,158, dated November 8, 1881.

Application filed July 30, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN P. CARPENTER, of Worcester, in the county of Worcester and State of Massachusetts, have invented certain  
5 new and useful Improvements in Cabinet-Organs; and I declare the following to be a description of my said invention, sufficiently full, clear, and exact to enable others skilled in the art to which it appertains to make and use the  
10 same, reference being had to the accompanying drawings, which form a part of this specification.

The object of my invention is an improved construction and arrangement of the bellows  
15 and feeders whereby the central space of the organ-case can be utilized as a cabinet for the reception of music-books or for other purpose. I attain this object by the construction and arrangement of parts in the manner shown  
20 and described, the particular subject-matter claimed being hereinafter definitely specified.

In the drawings, Figure 1 is a half-front half-longitudinal sectional view of a cabinet-organ, illustrating the nature of my invention.  
25 Fig. 2 is a vertical section, from front to rear, at the position indicated by line *x x*, Fig. 1.

A denotes the exterior casing. B indicates the reed-board and action of ordinary form; C, the wind-chamber below the sounding-board;  
30 D, the bellows; E, the exhausters, and F the blow-pedals.

The bellows D are made double, or in two parts, which are respectively arranged at the right and left of the wind-chamber, near the  
35 ends of the case, while the exhausters or feeders E are placed beneath them along the bottom of the case. The back boards or stationary parts of said bellows and exhausters are fixed in inclined positions in relation to the  
40 ends and bottom of the case, forming therewith triangular spaces wherein the movable portions swing back and forth when in action, the bellows D being hinged at their upper edges and the exhausters at their outer edges, as illustrated. Horizontal pieces or boards *b d* are arranged at upper and lower positions between  
45 the backs of the bellows D, with their ends rigidly secured thereto, and vertical pieces *c* are fitted between said horizontal pieces, near the bellows, as shown, forming a central recess  
50 or cabinet, G, occupying the entire space from

the front to the back of the case, and which may be used for containing books, music, or other articles. This cabinet G may be fitted with shelves for supporting sheet-music, or with  
55 vertical partitions for supporting books on end, (see Fig 1, dotted lines,) or in other manner, as preferred. The front of the case is provided with one or more doors, *a*, properly arranged to permit access to the recess or cabinet G. In  
60 organ-cases having finished backs a door, G', may be provided for opening to the cabinet from the rear of the case, if desired.

The back boards of the exhausters E are attached to the horizontal piece *d*, which forms  
65 the bottom of the cabinet, and their outer or lower ends are connected by a horizontal piece, *e*, thus making a strong truss, while the upper horizontal pieces, *b* and *d*, and verticals *c*, being  
70 secured together and to the bellows-backs at their several intersections, give a strong and stiff supporting-truss for the action to rest upon, and for supporting the weight of books, &c., which may be placed within the cabinet G.

Construction-blocks I and J may be fitted in  
75 the triangular spaces at the ends and below the cabinet-bottom *d*, as indicated.

The exhausters E are connected with the pedals F by means of slotted brackets and engaging-studs, *f*, as shown in Fig. 2, or by other  
80 suitable means, whereby the operation of said exhausters can be effected by depression of the pedals. Springs *m* are provided, as indicated, for opening the bellows and for closing the exhausters. The ports and valves for passing  
85 the air from the chamber C to exhausters are arranged as indicated at *i*, *l*, and *o*.

It will be observed that this is a very strong, compact, convenient, and efficient arrangement of bellows and exhausters, while it is also serviceable in utilizing the space and giving the  
90 centrally-located music-cabinet, thus making it a very desirable and useful construction.

Upon the top of the case I arrange inclined shelves or book-racks K, which are supported  
95 at their inner ends, at some height above the case-top, by suitable columns or standards, *n*, while their outer ends rest upon and are supported by the ends of the organ-case, as illustrated. Brackets or guards K' are fixed on  
100 the shelves near their lower ends to retain the books or music-sheets, &c., on the shelves, in



the manner indicated in Fig. 1. The standards *n* and shelves *K* are permanently attached to the case-top as a part of the instrument, and their inclined position, while enhancing the general appearance, also renders them more convenient for the uses for which they are intended.

I am aware that closets and music-book supports have heretofore been employed in combination with the cases of organs and similar instruments, and I do not therefore herein make claim, broadly, to such features irrespective of their construction and location.

What I claim as of my invention, and desire to secure by Letters Patent, is—

1. The bellows *D*, arranged in upright manner at the ends of the wind-chamber, and the exhausters *E*, located at the lower part of the case, with their working ends near the blow-pedals, to which they are connected for action, as set forth, and suitable air passages and valves communicating between said parts, substantially as and for the purposes hereinbefore described.

2. The combination, with an organ case and action, of a compartment or cabinet located centrally below said action and above the ped-

als, and occupying the entire space between the front and the back of the case, as hereinbefore shown and described.

3. The combination, with an organ case and action, of bellows formed in two parts, and located at right and left of the wind-chamber near the ends of the case, the exhausters arranged at the bottom of the case in line with the blow-pedals, and at right angles, or nearly so, with said bellows, and a music compartment or cabinet located between said bellows, above the exhausters, and occupying the entire space between the front and back of the case, substantially as hereinbefore set forth.

4. The combination, with an organ-action, of the bellows and exhausters having back boards set in inclined positions, as described, the horizontal pieces *b*, *d*, and *e*, connecting said back boards, and the vertical pieces *c*, arranged in the manner and for the purposes set forth.

Witness my hand this 20th day of July, A. D. 1881.

EDWIN P. CARPENTER.

Witnesses:

CHAS. H. BURLEIGH,  
FRANK P. SIMONDS.