N° 23,997 A.D. 1898

Date of Application, 14th Nov., 1898
Complete Specification Left, 4th Aug., 1899—Accepted, 16th Sept., 1899

PROVISIONAL SPECIFICATION.

Improvements in Bellows for Musical Instruments.

I, PAUL EHRLICH, of No. 4, Breitenfelderstrasse, Gohlis, near Leipzig, Kingdom of Saxony, German Empire, Managing Director, do hereby declare the nature of this invention to be as follows:—

Bellows for regulating the pressure of the wind in the wind-chest of musical instruments have heretofore been so arranged as to become inflated as wind is supplied to them.

In the arrangement according to the present invention, the regulating bellows in the wind-chest are extended by a spring as long as there is no pressure in the said chest. As soon, however, as pressure exists in the said chest, the bellows are compressed and increase the capacity of the wind chest, and exert a regulating effect upon the air pressure. The feed bellows are connected with each other and with the operating device by means of a lever and link mechanism.

Dated this 14th day of November 1898.

JOHNSONS & WILLCOX,
47, Lincoln's Inn Fields, London, W.C.,
Agents.

COMPLETE SPECIFICATION.

Improvements in Bellows for Musical Instruments.

I, PAUL EHRLICH, of No. 4, Breitenfelderstrasse, Gohlis, near Leipzig, Kingdom of Saxony, German Empire, Managing Director, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

Bellows for regulating the pressure of wind in the wind chest of musical instruments have heretofore been so arranged as to become inflated as wind is supplied to them.

In the arrangement according to the present invention the regulating bellows in the wind chest are extended by a spring as long as there is no pressure in the said chest. As soon, however, as pressure exists in the said chest, the bellows are compressed and increase the capacity of the wind chest, and exert a regulating effect upon the air pressure. The feed bellows are connected with each other and with the operating device by means of a lever and link mechanism.

The invention is illustrated on the annexed drawing. The bellows *a* are extended by a spring *d* as long as there is no air pressure in the chamber *b*. As soon, however, as air pressure exists in the said chamber the bellows *a* are compressed and thus by increasing the capacity of the chamber *b* they exert a regulat-

ing effect upon the air pressure. The feed bellows *c* are connected with each other and with the operating device by means of a lever and link mechanism *f*.

An arrangement of this kind permits of manufacturing musical instruments on a very small scale.

Having now particularly described and ascertained the nature of the said invention and in what manner the same is to be performed I declare that what I claim is:—

A bellows arranged in a wind chest which bellows are extended by a spring but are compressed as the wind pressure is increased, so as to have a regulating effect upon the air pressure, essentially as and for the purpose described.

Dated this 4th day of August 1899.

JOHNSONS & WILLCOX,
47, Lincoln's Inn Fields, London, W.C.,
Agents.

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EHRLICH'S COMPLETE SPECIFICATION.

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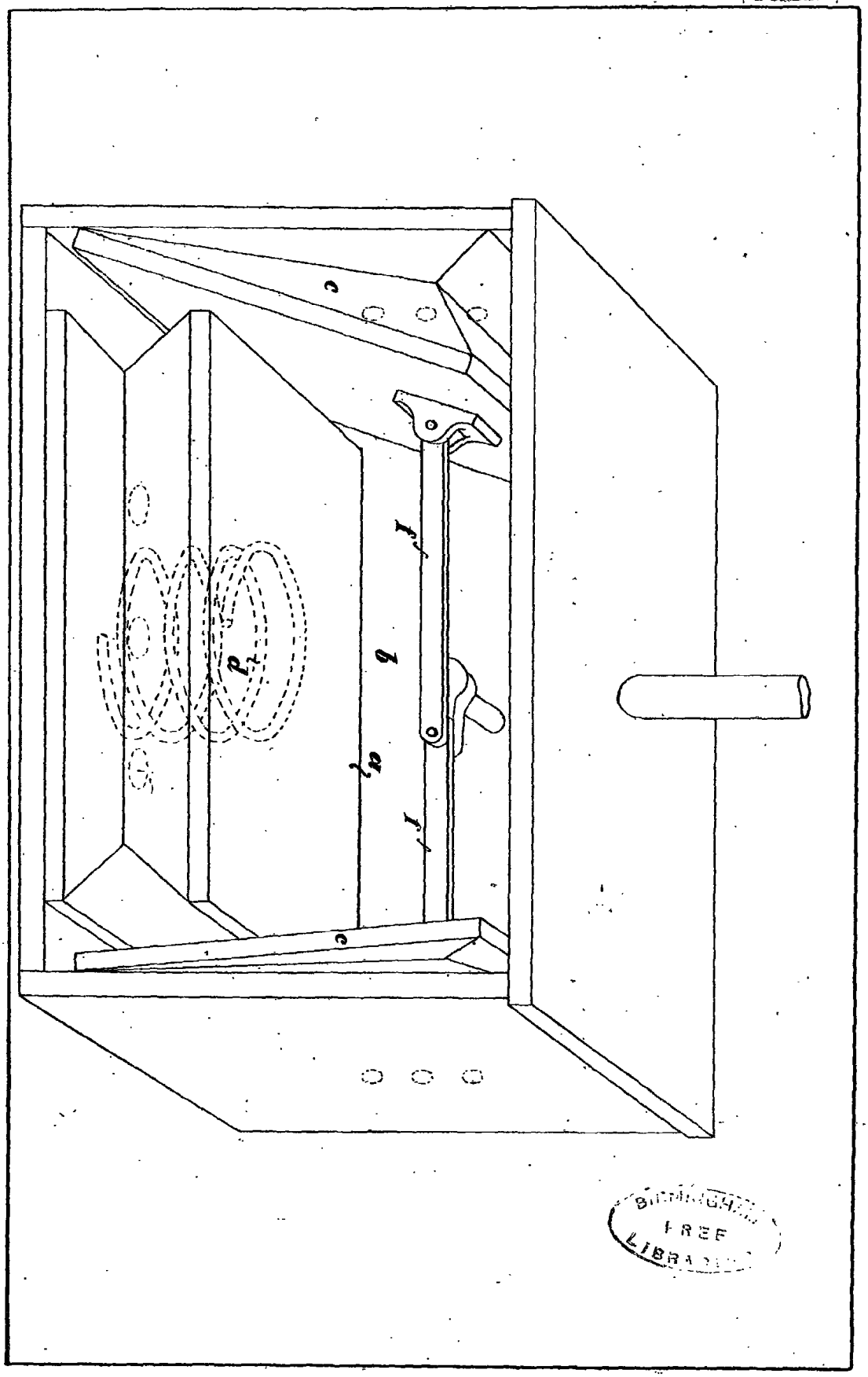

[This Drawing is a reproduction of the Original on a reduced scale.]

Whitty & Sons, Photo-Litho.