(No Model.)

G. O. GIRARDIN.

ORGAN PALLET.

No. 414,396. Patented Nov. 5, 1889.

Fig. 1.

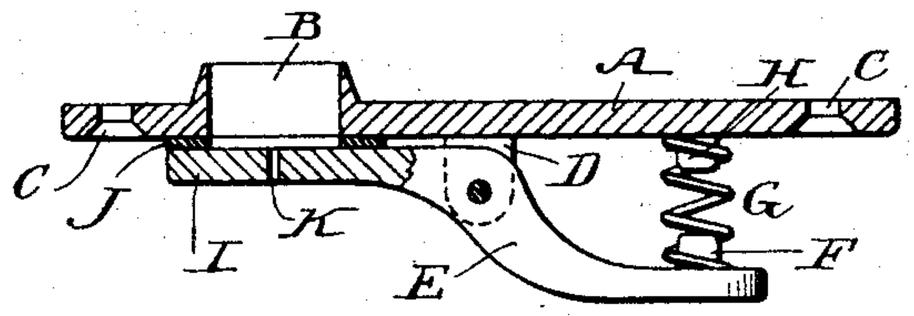


Fig. 2.

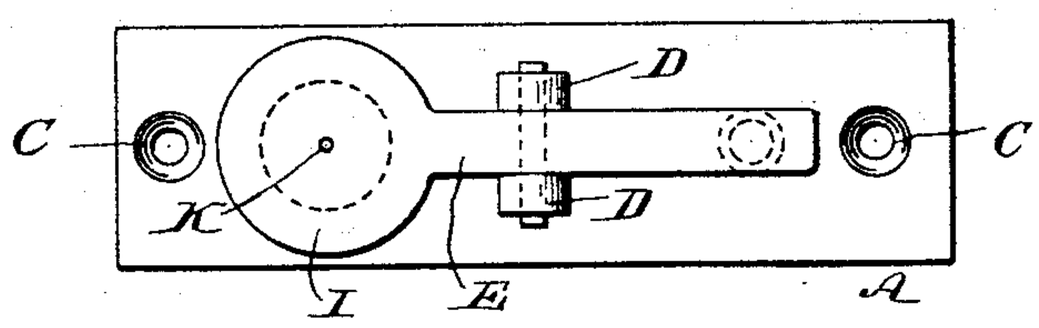
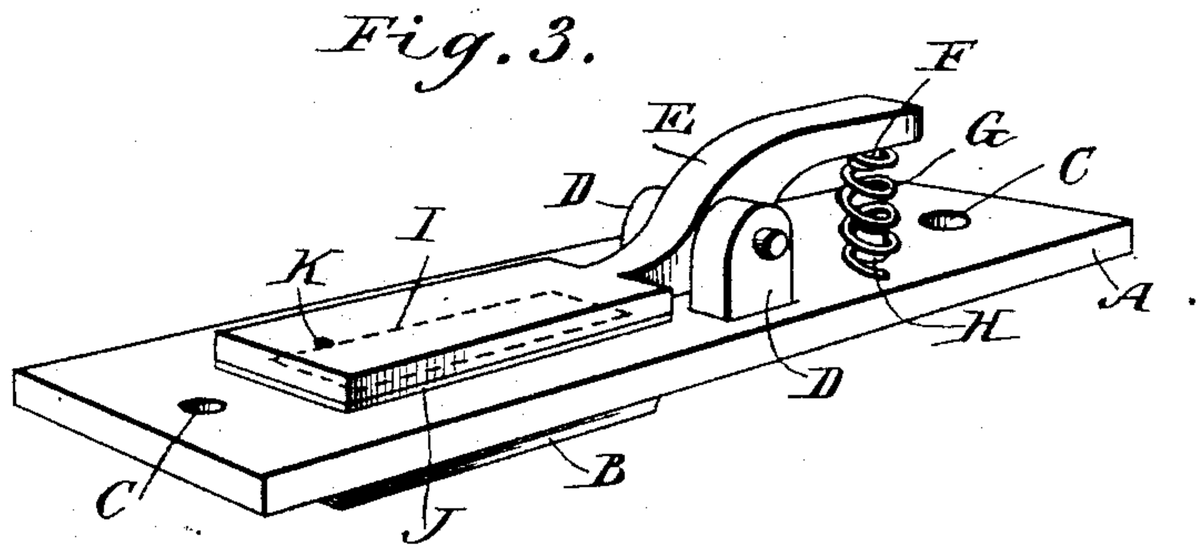


Fig. 3.



WITNESSES:

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GASPARD O. GIRARDIN, OF LAKE LINDEN, MICHIGAN.

ORGAN-PALLET.

SPECIFICATION forming part of Letters Patent No. 414,396, dated November 5, 1889.

Application filed May 13, 1889. Serial No. 310,524. (No model.)

To all whom it may concern:

Be it known that I, GASPARD O. GIRARDIN, of Lake Linden, in the county of Houghton and State of Michigan, have invented a new and Improved Organ-Pallet, of which the following is a full, clear, and exact description.

The invention relates to organs; and its object is to provide a new and improved pallet which is simple and durable in construction and effective in operation.

The invention consists of a base provided with lugs, on which is pivoted a spring-pressed lever carrying the valve adapted to open and close an aperture in the said base.

The invention also consists in certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of the improvement. Fig. 2 is an inverted plan view of the same, and Fig. 3 is a perspective view of a modified form of the same.

The improved organ-pallet is provided with a base A, preferably made of cast-iron and provided with an air-opening B, and screw-holes C, for the passage of screws to secure the plate to the wind-chest. On the under side of the base A are formed the lugs D, between which is pivoted the lever E, provided near one end with a lug F, on which is held an end of a coiled spring G, resting with its other end on the base A and passing around a lug H. The said lugs F and H hold the spring G in place. The end of the lever E opposite the lug F is bent toward the base A, and carries the valve I proper, adapted to open and close the air-opening B. The valve I is pressed against a seat J, made of leather or other suitable material, by the spring G. The leather seat J is a ring held on the under side of the base A and surrounding the air-opening B. In the middle of the valve I is formed a small hole K for fastening a hook or loop generally used to hook on pull-downs.

All the parts of the pallet, with the exception of the leather seat J, are made of metal, preferably cast-iron, and the spring G of steel.

The pallets can thus be cheaply manufactured in large quantities and kept on hand by organ-makers to be used when building the organ, without the tedious job of making wooden pallets now generally in use.

It will be seen that quite a number of parts—such as guides, hinges, &c.—used on the wooden pallets are entirely dispensed with on my improved pallet.

As shown in Figs. 1 and 2, the air-opening B and the valve I are circular, and in this form the pallet is more especially intended for one-stop organ or pedals in which the sound-board has no slides.

The pallet shown in Fig. 3 is provided with an oblong air-opening and correspondingly-shaped valve I, and is intended for sound-boards requiring channels on account of the slides for the different stops.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a metallic pallet for organs, consisting of a base, a spring-pressed lever pivoted on the said base, and a valve formed on the said lever and adapted to open and close the air-opening in the base, substantially as shown and described.

2. As a new article of manufacture, a metallic pallet for organs, consisting of a base having an air-opening, lugs cast on the said base, a lever pivoted on the said lugs, a valve proper formed on the said lever, and a spring held between the said lever and base and serving to hold the valve on its seat on the air-opening, substantially as shown and described.

GASPARD O. GIRARDIN.

Witnesses:

EMILE J. LAPLANTE,

EDMOND BRANDETTE.