

No. 728,721.

PATENTED MAY 19, 1903.

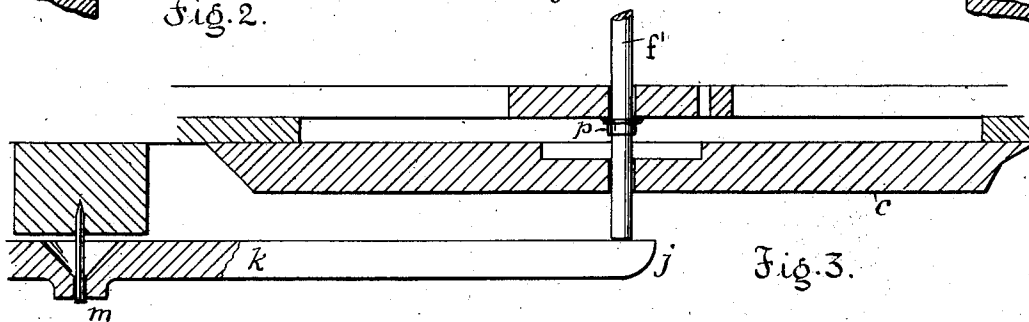
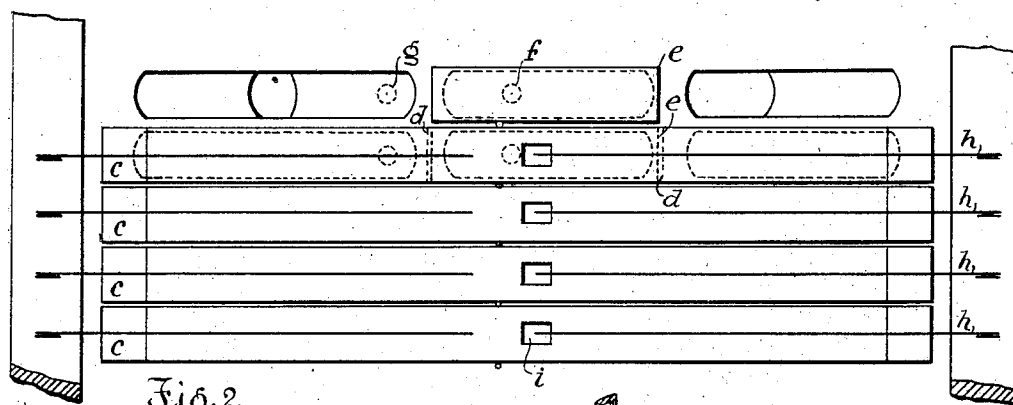
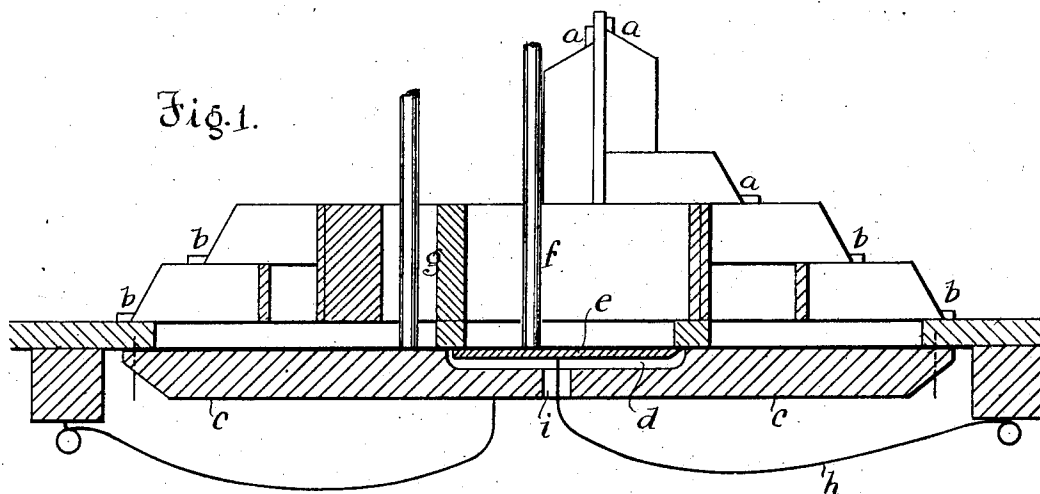
S. JENKINSON.

OCTAVE COUPLER FOR REED ORGANS.

APPLICATION FILED APR. 18, 1902.

NO MODEL.

3 SHEETS—SHEET 1.



Witnesses.

Gustave R Thompson
Geo. A. Byrne.

Inventor:

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3 SHEETS—SHEET 2.

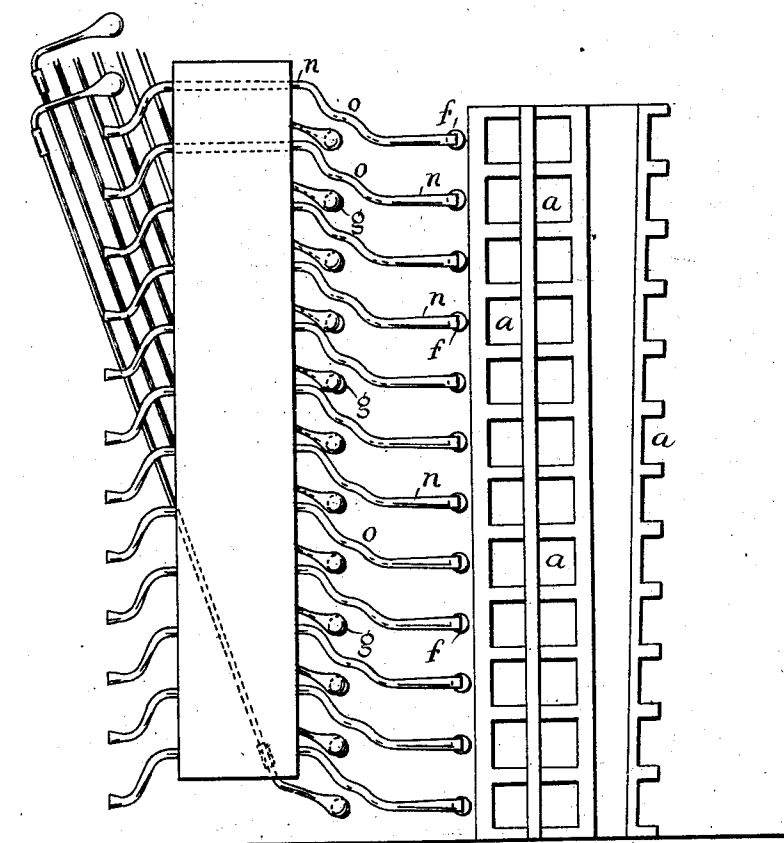


Fig. 4.

Witnesses.

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3 SHEETS—SHEET 3.

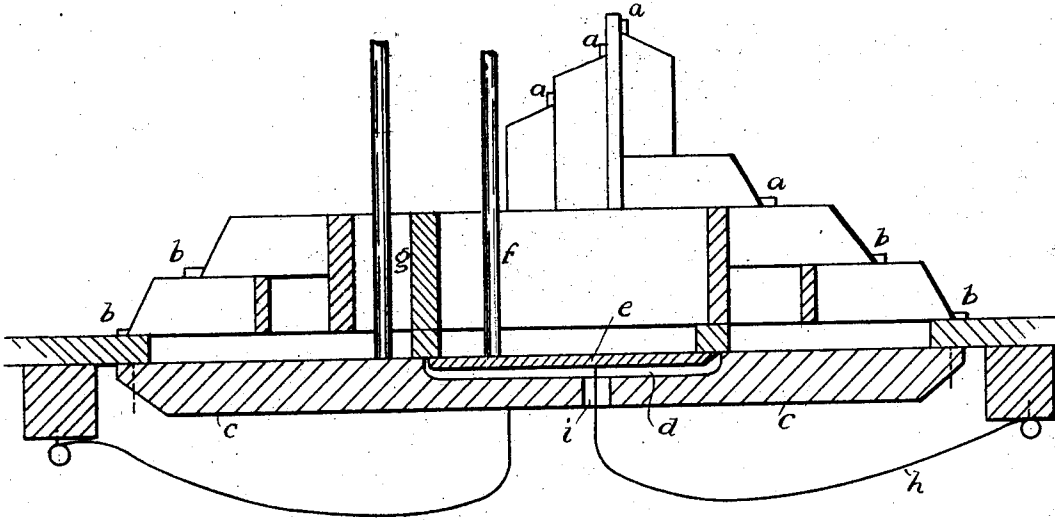


Fig. 5.

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UNITED STATES PATENT OFFICE.

SAMUEL JENKINSON, OF KENTISH TOWN, LONDON, ENGLAND.

OCTAVE-COUPLER FOR REED-ORGANS.

SPECIFICATION forming part of Letters Patent No. 728,721, dated May 19, 1903.

Application filed April 18, 1902. Serial No. 103,659. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL JENKINSON, a subject of the King of England, residing at Castle Road, Kentish Town, in the county of London, England, have invented certain new and useful Improvements in or Relating to Octave-Couplers for Reed-Organs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improved means of fitting an extra octave of reeds to reed-organs and to improvements in the action of such extra octave in order that the octave-coupler effect may be extended to the last key of the instrument.

According to my invention I provide an extra octave of reeds—say above the treble. To each key of the last treble-octave I fit an extra button, and when the ordinary coupler-stop is drawn such buttons can actuate a set of twelve extra coupling-levers, placed in the frame just above the last twelve ordinary coupling-levers. The extra octave of reeds I place over or in between the last treble-reeds, and the plungers to operate the pallets of the extra octave I place slightly—say about an inch—behind the plungers of the last treble-octave and parallel with the same. Each of the pallets for the last treble-octave is formed with a recess on its inner face to fit over a small pallet provided for the corresponding extra reed, which can thus be opened within the said ordinary pallet while the latter is closed. An aperture is formed in the ordinary pallet immediately above the small pallet to allow for passage of wind only when the small pallet is opened and also to enable a spring-wire to bear upon the said small pallet. Instead of having a small pallet working within the ordinary pallet I may pass the plunger for the extra reed through the ordinary pallet and by means of levers or other means carry the action to a more convenient part of the instrument. In this case the plunger would be provided with an india-rubber sleeve in order to make the same air-tight while not being used.

In order that my invention may be clearly understood, I will describe the same with ref-

erence to the drawings accompanying this specification, in which—

Figure 1 shows a vertical section through a pallet. Fig. 2 shows a plan of under side of pallets, one pallet being removed. Fig. 3 is a section through pallet, showing an alternative method of carrying out my invention. Fig. 4 is a plan showing general arrangement of super-octave-coupling device according to the first method. Fig. 5 shows the same view as Fig. 1, but four rows of extra reeds are shown instead of three.

The same letters of reference denote the same parts in all the views.

As in the case of my British Patent No. 14,374 of 1896, I provide an extra octave of reeds in the organ—say above the treble. The plunger-rods for the reeds of this extra octave are operated substantially in the manner described in the specification accompanying my aforesaid British patent.

Referring to Figs. 1 and 2, the extra reeds are shown at *a*, an instrument being represented provided with three rows of reeds in the super-octave coupler. *b* shows the ordinary reeds. *c* is the pallet to the ordinary reeds. This pallet is recessed at *d*, and within this recess is placed the pallet *e* to the extra reeds *a*. *f* is the plunger-rod to the pallet *e*, and *g* the plunger-rod to the pallet *c*. The spring *h* to the pallet *e* passes through a hole *i* in the pallet *c*. The pallet *e* can thus be opened in the recess *d*.

Referring to Fig. 3, this shows an alternative method of operating the extra reeds which I may employ when the first method is for any cause inconvenient. This method consists in passing the plunger-rod *f'*—i. e., the plunger-rod by means of which the pallets of the extra reeds are operated—through the pallet *c*, as shown. The object of this arrangement is to carry the action to any more convenient part of the instrument. In order to effect this, the end of the plunger-rod *f'* bears upon one end *j* of a lever *k*, the other end of which, by means of other levers or another plunger-rod, operates the pallets to the extra reeds. The lever *k* has its fulcrum at *m*, and the pivot fits somewhat loosely in order to allow of the rocking motion of the lever. *p* is a rubber sleeve.

Referring to Fig. 4, it will be seen that the levers *n*, which operate the plunger-rods *f*, have a double bend at *o* in order to clear the plunger-rods *g*. I prefer to shape these levers as shown, although they could be otherwise shaped to effect the same purpose. These levers *n* are actuated by a super-coupling mechanism constructed according to my former inventions, now well known.

10 What I claim, and desire to secure by Letters Patent of the United States, is—
In reed - organs, the combination with a reed-board carrying octave-reeds and super-octave reeds; of an octave - pallet recessed upon its upper side, and a super-octave pallet located in said recess and operating independently of said octave-pallet.

15 In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL JENKINSON.

Witnesses:
A. E. VIDAL,
E. F. FOTHERGILL.