

H. G. KINDER.
COMBINATION ORGAN STOP ACTION.
APPLICATION FILED APR. 19, 1909.

929,138.

Patented July 27, 1909.

Fig. 1

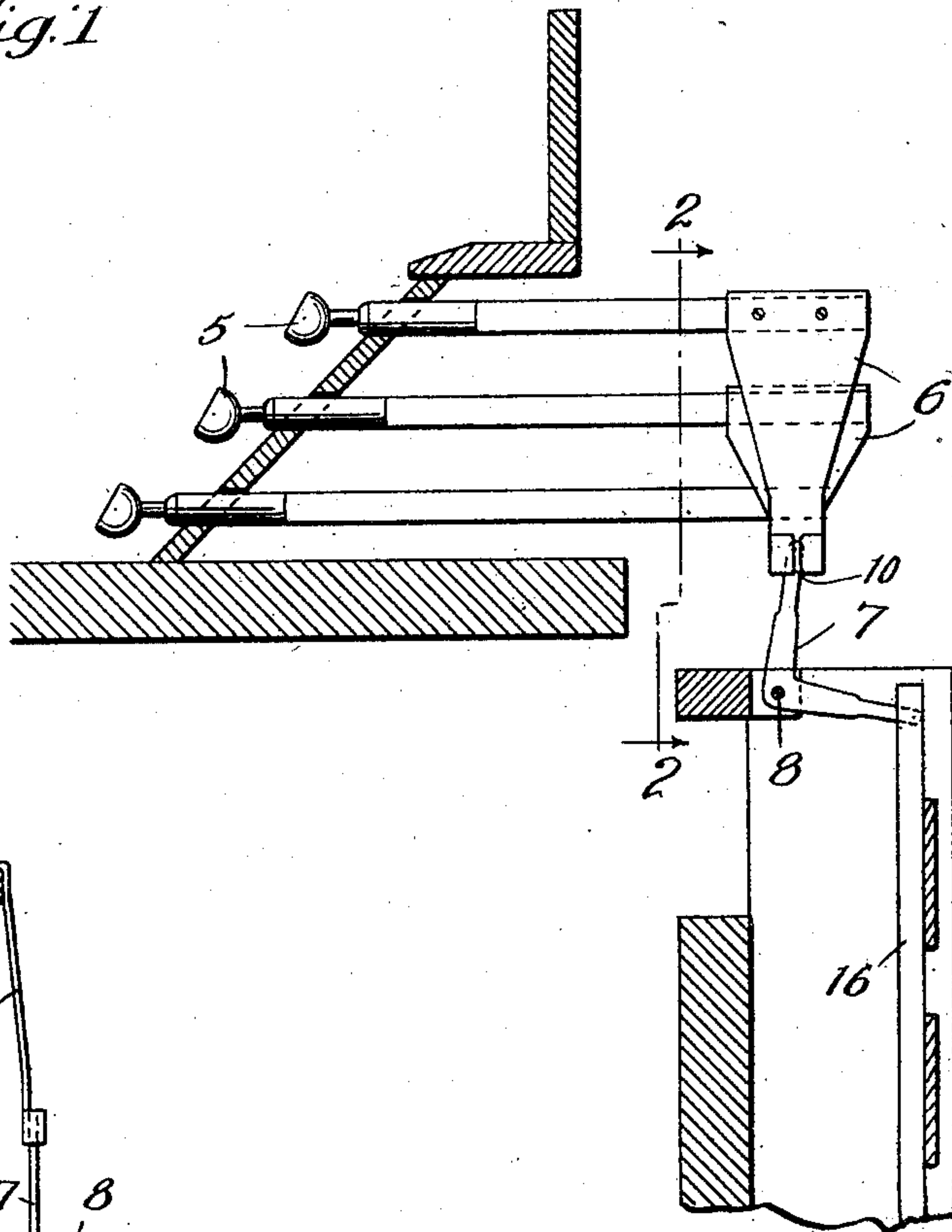


Fig. 2

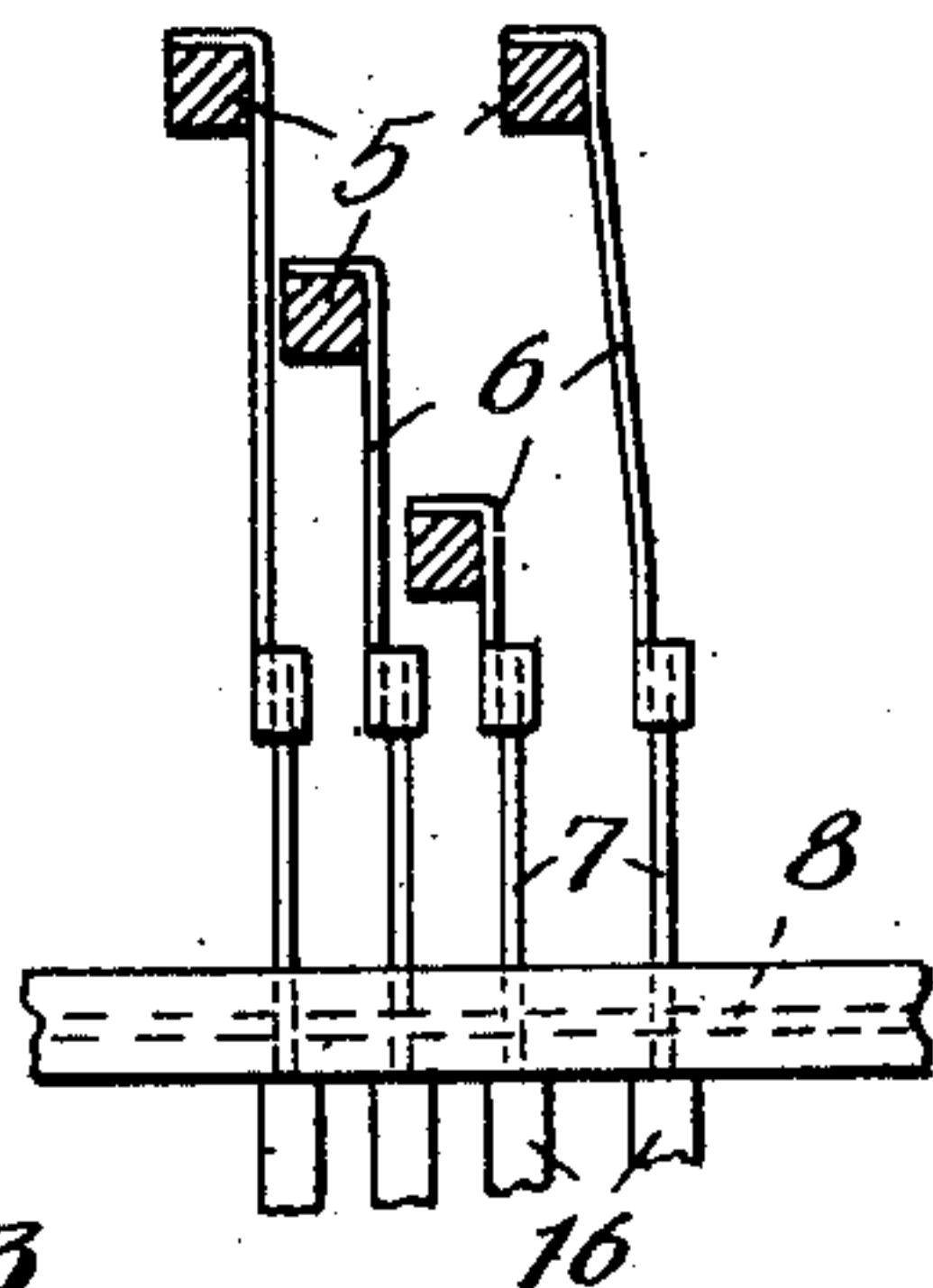


Fig. 3

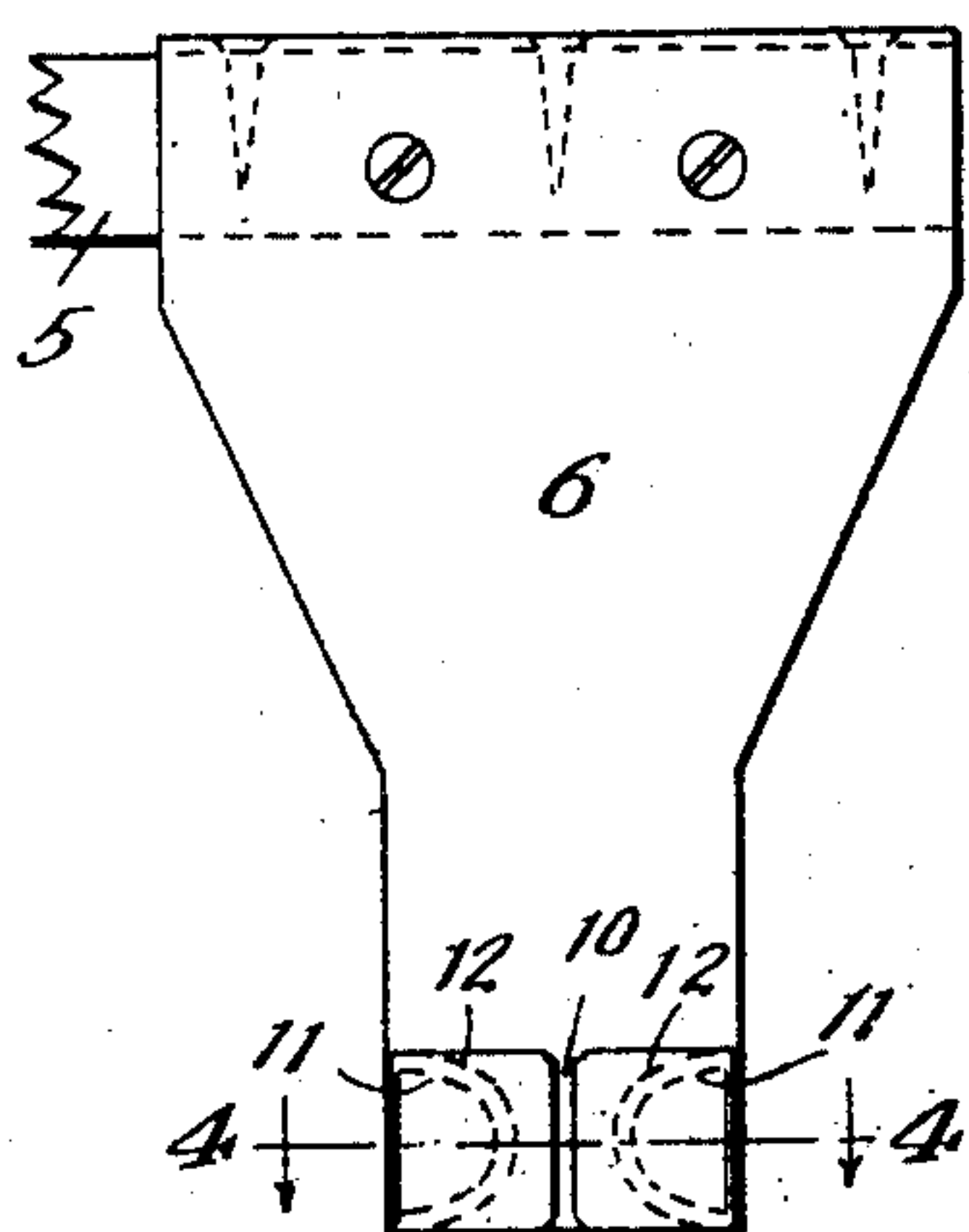
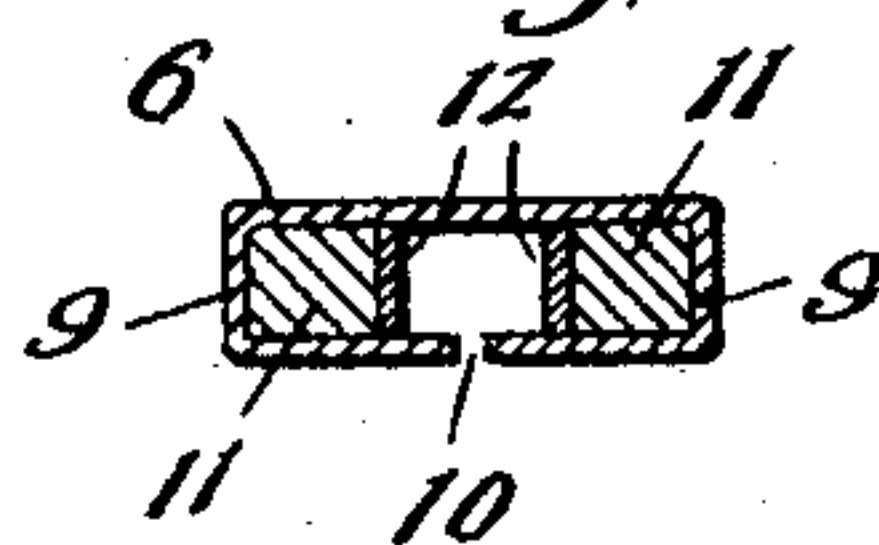


Fig. 4



Witnesses:

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UNITED STATES PATENT OFFICE.

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COMBINATION ORGAN STOP-ACTION.

No. 929,138.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed April 19, 1909. Serial No. 490,705.

To all whom it may concern:

Be it known that I, HALSEY G. KINDER, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Combination Organ Stop-Actions, of which the following is a specification.

This device relates to the construction of adjustable stop actions for pipe-organs. Its object has been to devise a construction which will permit the making of the stop actions much more compact than has been possible with prior constructions.

The nature of the invention is fully disclosed in the subjoined description and also in the accompanying drawings, and in the latter Figure 1 is a partial section of a combination stop action showing the part thereof in which my invention is used; Fig. 2 is a section on the line 2—2 of Fig. 1; Fig. 3 is an enlarged detail view of the invention and Fig. 4 is a section on the line 4—4 of Fig. 3.

In said drawings, 5—5 represent some of the draw stops of the organ. Each of these stops 5, is adapted to be pulled by hand and is provided with a depending leg 6 which is made of flat metal and secured flatwise to the stop. At the bottom of the leg a socket is formed by which the elbow-lever 7 pivoted at 8 is operated. The lever 7 controls the vertically sliding bar 16 in which are pivoted a series of trippers not shown and which may be of any ordinary construction, such bar forming a part of the setting mechanism. The socket at the foot of the leg is formed by bending the metal of the leg horizontally around upon itself as will be understood from Fig. 4, in such manner as to form two boxlike inclosures 9, with an open space 10 between such inclosures. In each inclosure I insert a block of wood 11 and face such blocks upon their adjacent sides which are rounded with felt 12. The open space between the inclosures forms the socket and receives the end of elbow-lever 7. The metal at the top of the leg is bent over on to the stop-rod as seen at Figs. 2 and 3 and it is

preferably secured to the stop-rod by both vertical and horizontal screws, as seen at 50 Fig. 3. The socket confines the lever securely and the contact of the lever with the socket is rendered noiseless by my construction.

As the stops are usually quite numerous and arranged close together in banks or tiers, it will be seen that my construction of the depending leg enables them to be brought close together and greatly economizes the room required. When constructed and arranged in the manner shown, the leg is rendered very strong and has ample strength for the service required, and requires only a limited amount of transverse space.

I claim:—

1. A combination stop action for organs having draw stops movable horizontally, each provided with a flat metal depending leg operating the setting devices, said leg having a socket at its lower end and combined with an elbow-lever of the setting mechanism.

2. The combination in an adjustable combination stop action for organs of the series of stops sliding horizontally and the elbow levers actuated thereby, said stops being provided with flat metal depending legs having sockets at their bottoms for the elbow-levers.

3. The combination with the draw stops and the setting devices of an adjustable combination stop action, of the flat metal depending legs secured flatwise to the stops, and each having a socket at the bottom engaging the setting devices.

4. The combination with the draw stops and the setting devices of an adjustable combination stop action, of the flat metal depending legs secured flatwise to the stops, and each having a socket at the bottom engaging the setting devices and wood blocks inclosed by the metal of the leg, the socket being formed between such blocks.

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Witnesses:

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