J. J. NEUMANN.

ACCORDION.

APPLICATION FILED JUNE 28, 1909.

957,514. Patented May 10, 1910.

Fig. 1.

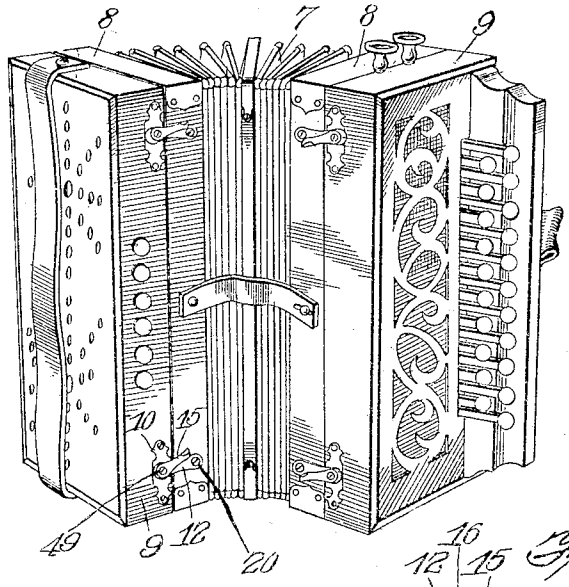


Fig. 2.

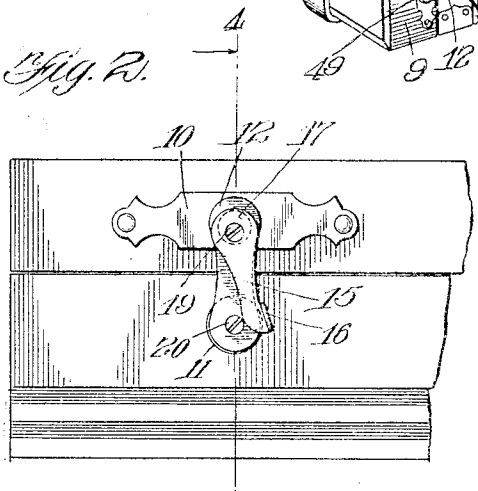


Fig. 3.

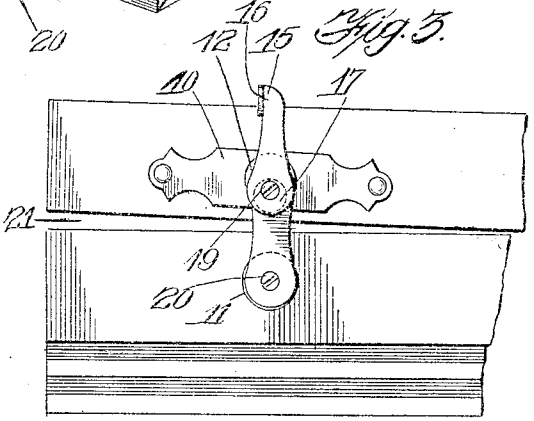


Fig. 4.

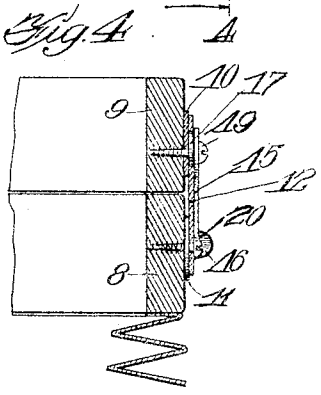


Fig. 5.

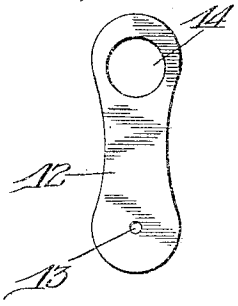
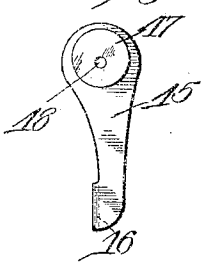


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

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ACCORDION.

957,514. Specification of Letters Patent. Patented May 10, 1910.

Application filed June 28, 1909. Serial No. 504,688.

To all whom it may concern:

Be it known that I, JULIUS J. NEUMANN, a citizen of the United States of America, and resident of Chicago, Cook county, Illinois, have invented a certain new and useful Improvement in Accordions, of which the following is a specification.

My invention relates to improvements in accordions, and has for its object the production of a device by the use of which the cases and bellows frame are held rigidly together, regardless of the temperature. These and such other objects as may hereinafter appear are attained by my device, an embodiment of which is shown in the accompanying drawings, in which—

Figure 1 represents a perspective view of an accordion constructed with my device. Fig. 2 represents an enlarged front view of a portion of Fig. 1, showing the clamp closed. Fig. 3 is an enlarged front view of a portion of Fig. 1, showing the clamp open. Fig. 4 represents a sectional view on the line 4—4 of Fig. 2, looking in the direction indicated by the arrows. Fig. 5 represents a plan view of the plate member. Fig. 6 represents a plan view of the cam member.

Like numerals of reference indicate like parts in the several figures of the drawings.

Referring now to the drawings, Fig. 1 represents an accordion comprising a bellows 7, bellows frames 8—8 and cases 9—9. Mounted on the sides of the casing 9 are a plurality of plates or washers 10 and oppositely disposed washers 11 on the frame 8; a connecting strap or plate 12 provided with a bolt hole 13 and a circular opening 14. A cam latch 15 is provided with a handle 16 and a circular boss 17 projects from the face and is adapted to fit within the opening 14. A bolt hole 18 passes through the boss and is located off the center, thus turning the boss into an eccentric cam. Bolts or screws 19—20 secure the two parts to the frame and casing. It will thus be noted that when the latch is up, as shown in Fig. 3, the frame and casing are separated, as shown at 21, while when the latch is turned downwardly, the two members are pressed tightly together.

The reeds of the accordion are located within the casing, leaving the entire bellows open. It is evident, therefore, that the frame and casing must be kept tightly together, otherwise the air would escape when the bellows are operated, thus impairing the efficiency of the instrument. Most of the instruments are made abroad, and after the sea voyage are often in bad order, cracks appearing between the frame and casing. By the use of my attachment, the parts may be kept at all times snug and tight.

I claim:—

In an accordion, the combination of a bellows frame, a casing, and adjustable means for holding said members tightly together, said means comprising a plate provided with a circular opening at one end and adapted to be secured to one of said members at its other end, a cam latch, a circular boss on the face of the end of said latch adapted to fit within the opening in said plate, said boss having an opening located therein, and fastening means passing through said opening and securing said plate and latch in operative position.

Signed by me at Chicago, Illinois, this 15th day of June 1909.

JULIUS J. NEUMANN.

Witnesses:

CHARLES P. HINDRINGER,

JOHN A. HAMPE.