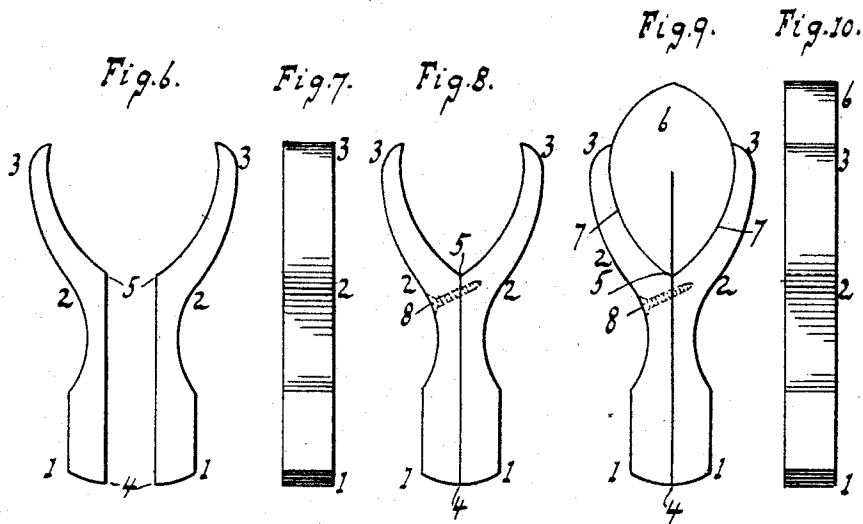
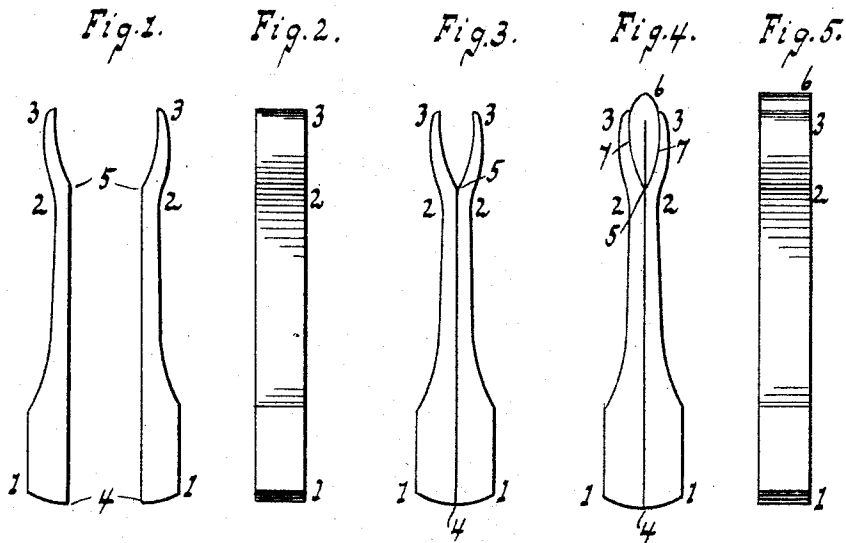


(No Model.)

A. DOLGE.
PIANO HAMMER.

No. 585,559.

Patented June 29, 1897.



WITNESSES:

William Miller
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ATTORNEYS

UNITED STATES PATENT OFFICE.

ALFRED DOLGE, OF DOLGEVILLE, NEW YORK.

PIANO-HAMMER.

SPECIFICATION forming part of Letters Patent No. 585,559, dated June 29, 1897.

Application filed February 4, 1897. Serial No. 622,007. (No model.)

To all whom it may concern:

Be it known that I, ALFRED DOLGE, a citizen of the United States, residing at Dolgeville, in the county of Herkimer and State of New York, have invented new and useful Improvements in Piano-Hammers, of which the following is a specification.

This invention relates to a hammer having a sectional molding or head, the sections of the molding being connected or secured together so that they are ready to receive or hold the hammer-felt, as set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a detail view of sections for a treble hammer. Fig. 2 is a side elevation of a section of Fig. 1. Fig. 3 shows the sections connected. Fig. 4 shows a hammer formed from the sections of Fig. 1. Fig. 5 is a side elevation of Fig. 4. Fig. 6 is a detail view of sections for a bass hammer. Fig. 7 is a side elevation of a section of Fig. 6. Fig. 8 shows the sections of Fig. 6 connected. Fig. 9 shows a hammer formed from the sections of Fig. 6. Fig. 10 is a side elevation of Fig. 9.

Each molding-section 1 2 3 is shown with the part 1 2 for forming a stem part and a part 2 3, forming a tine of a fork. The sections being glued together along the faces or joint 4 5, a complete molding is formed ready to receive the felt 6. The sides 7 of the felt being glued to fork 5 3, the felt and molding are firmly united to form a complete hammer.

By taking two molding-sections, each section of sufficient length to form a set of hammers—as, for example, bass hammers or treble hammers—and then gluing these sections or halves together along the central line or joint 4 5 such sections are ready to receive or have glued thereto a correspondingly long strip of felt; or, if seen fit, the sections can be glued together and the felt inserted at one and the same time.

When the moldings and felt have been thus connected or glued together, the structure thus built up can be sawed or cut into pieces or slices of proper thickness, thus forming or separating into the several hammers. A screw or fastening 8 can also be applied for additional security to hold the molding-sec-

tions together—as, for example, in heavy bass hammers, such as may be used in grand pianos.

The hammer-felt, striking against the wire or string of a piano or instrument, is apt to be flattened or to lose shape. By having the molding fork or tines 3 extended about the greater part of the felt or about more than half of the edge of the felt, as seen in Figs. 4 and 9, the flattening or unshaping of the felt is prevented or resisted. By having the felt bulged or rounded and the fork made to clasp or extended about or beyond the bulge or widest part, or, as it may be called, the “belly,” of the felt, the latter is not only firmly or securely held against detachment or displacement, but said fork also serves to maintain the felt in shape. By leaving sufficient felt projecting from or free of the tines or fork the clear well-known elastic stroke of the felt is maintained, and the felt being firmly or unyieldingly held by the fork is capable of giving a powerful stroke and producing a powerful tone.

The sections or molding can be made of wood or any other suitable material.

What I claim as new, and desire to secure by Letters Patent, is—

1. A piano-hammer comprising a felt and a forked sectional molding the sections of which are adapted to be secured together and the forked part of which is made to clasp or confine the felt as the sections are connected substantially as described.

2. A piano-hammer comprising a sectional molding formed with a fork and a felt having its sides inserted in the fork of the hammer-molding and fastened thereto, said molding-sections being glued together substantially as described.

3. A piano-hammer comprising a sectional molding formed with a fork and a felt having its sides inserted in the fork of the hammer-molding and fastened thereto, said molding-sections being glued together and provided with a connecting screw or fastening substantially as described.

4. A forked sectional piano-hammer molding and a bulged felt clasped or engaged by said molding, said molding having the fork

extended beyond or about the bulge or widest part of the felt substantially as described.

5 5. A forked sectional piano-hammer molding and a felt clasped or engaged by said molding, said fork being extended about the greater part of the felt substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALFRED DOLGE.

Witnesses:

WILLIAM DOLGE,
E. F. KASTENHUBER.