A. ENGQUIST.

PLASTERER'S DARBY.

APPLICATION FILED JULY 20, 1908.

917,571. Patented Apr. 6, 1909.

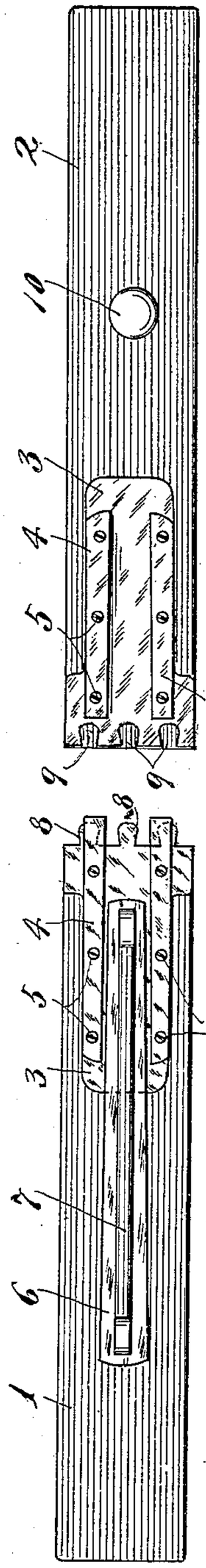

Fig. 3.

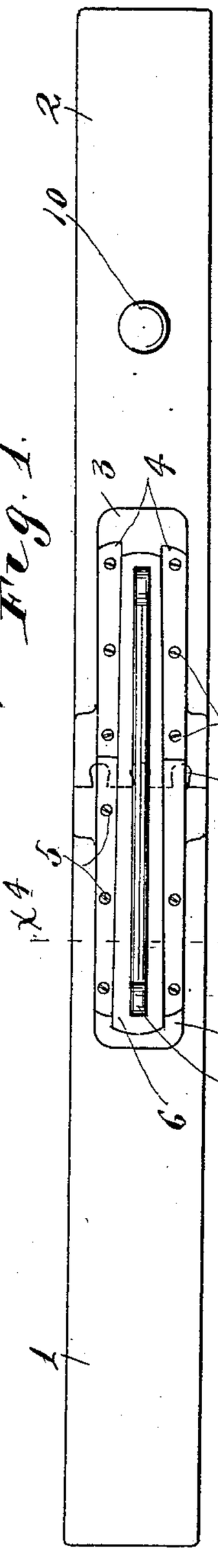

Fig. 1.

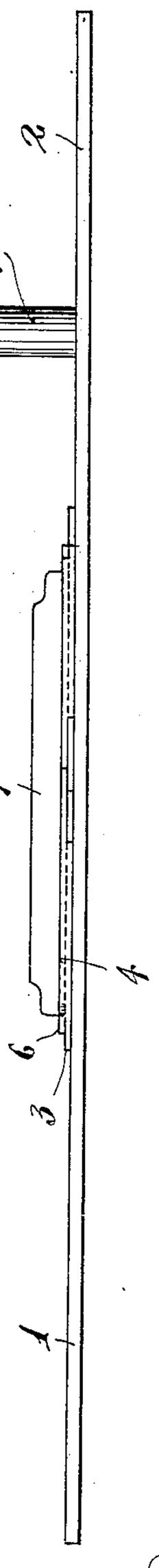

Fig. 2.

Fig. 4.

Witnesses.
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UNITED STATES PATENT OFFICE.

AUGUST ENGQUIST, OF MINNEAPOLIS, MINNESOTA.

PLASTERER'S DARBY.

No. 917,571. Specification of Letters Patent. Patented April 6, 1909.

Application filed July 20, 1908. Serial No. 444,392.

To all whom it may concern:

Be it known that I, AUGUST ENGQUIST, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Plasterers' Darbies; 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.

My invention has for its object to provide an improved plasterer's darby or trowel board, and to this end it consists of the novel devices and construction and arrangement of parts hereinafter described and defined in the claims. These darbies or trowel boards are usually from three to four feet in length, so that they are not capable of being put into an ordinary tool box or satchel, and when covered with plaster are very dirty things to be carried on street cars and other vehicles; and, hence, my invention consists broadly in making the blade or body of the darby in two sections and connecting these sections by interlocking devices which serve to detachably but rigidly connect the sections in perfect alinement with each other.

In the accompanying drawings, which illustrate the invention, in its preferred form, like characters indicate like parts throughout the several views.

Referring to the drawings; Figure 1 is a plan view of the improved sectional darby. Fig. 2 is an edge elevation thereof. Fig. 3 is a plan view showing the sections of the darby disconnected; and Fig. 4 is a vertical section taken on the line x^4 x^4 of Fig. 1.

The two sections 1 and 2 of the blade or body of the darby are provided on the back surface of their abutting edge portions with quite long longitudinally tapered dove-tailed channel plates, each of which, as shown, is made up of a thin flat plate 3 and integrally formed longitudinally diverging ribs 4, the inner edges of which are beveled or undercut. Screws 5, as shown, serve to secure the said channel plates to the respective sections 1 and 2 of the darby. The beveled inner edges of the ribs 4 of the two channel plates are so arranged that when put together they aline and continue to diverge in a constant direction, and, hence, are adapted to receive and closely fit a tapered key 6 afforded by a piece of thin flat metal, the outer edges of which are beveled in cross section so as to form a dove-tailed joint with the coöperating beveled ribs 4. This key 6 has a central flange 7 secured to its back, by means of which it may be easily forced into and from an operative position, and by which it is stiffened.

One of the channel plates 3 is provided with dove-tailed lugs 8 that project from its outer edge and are adapted to fit corresponding seats 9 in the abutting edge of the other channel plate; and it will also be noted that the ribs 4 on the channel plate, provided with the said lugs 8, project as far as the said lugs, while the ribs 4 on the other channel plate are correspondingly short. These dove-tailed or interlocking lugs and seats 8—9 hold the sections 1 of the darby blade against endwise separation, while the key, when applied, completes the interlocking of the joint and, as already stated, assures the perfect alinement of the two blade sections.

One of the sections of the blade, to-wit, as shown in Fig. 2, is provided with a hand-piece 10 of the usual construction. The flange 7 serves as a hand-piece for the left hand when the hand-piece 10 is engaged by the right hand.

With this construction, it is a very easy matter to operate the two sections of the blade; and when they are separated, they are capable of being put into an ordinary satchel or tool box and, hence, readily carried wherever desired.

What I claim is:—

1. The combination with a darby, the blade of which is made up of sections, which sections are provided with longitudinally alined channels, of a key insertible in said channels to aline and rigidly connect the said blade sections.

2. The combination with a darby, the blade of which is made up of sections, of alined channel plates on the abutting ends of the blade sections, and a key insertible into the alined channel plates to aline and connect the blade sections, substantially as described.

3. The combination with a darby, the blade of which is made up of separable sections, of angular plates secured to the abutting end portions of said blade, said angular plates having longitudinally alined

diverging dove-tailed ribs and interlocking dove-tailed lugs and seats, and a tapered transversely dove-tailed key engageable with the dove-tailed diverging ribs of said joint plates to hold the blade sections interlocked and alined, the said key having a flange on its back, substantially as described.

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

AUGUST ENGQUIST.

Witnesses:
HARRY D. KILGORE,
GRACE D. LYDIARD.