

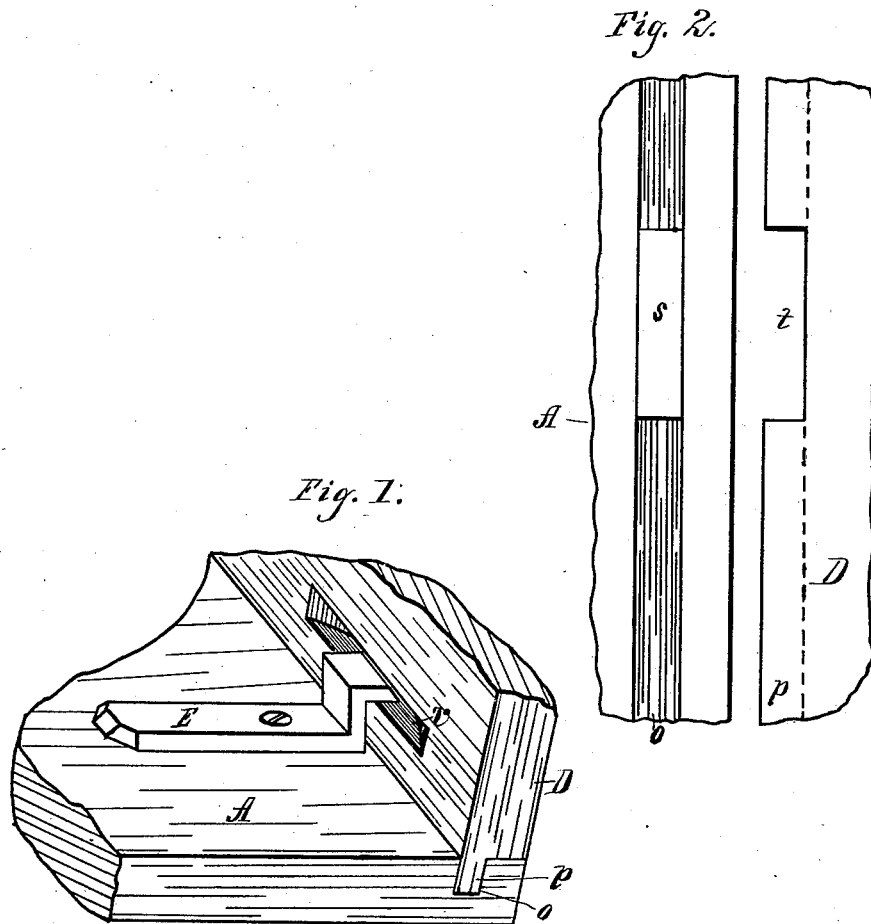
(No Model.)

S. B. DILL.

JOINTING.

No. 264,638.

Patented Sept. 19, 1882.



Witnesses:
Cyrus H. H. H.
E. C. Hecker.

Inventor:
Sanford B. Dill.
By *Manuel & Hand,*
His Atty.

UNITED STATES PATENT OFFICE.

SANFORD B. DILL, OF STERLING, ILLINOIS.

JOINTING.

SPECIFICATION forming part of Letters Patent No. 264,638, dated September 19, 1882.

Application filed September 13, 1881. (No model.)

To all whom it may concern:

Be it known that I, SANFORD B. DILL, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Jointing; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention has reference to an improved mode of holding jointed parts together, and has more special application to joints in different articles of furniture, boxes, &c., the special novelty and advantage of such invention being the providing of a joint which can be readily put together and as readily loosened without injury to any of the parts.

In the drawings, Figure 1 is a view of my invention as applied to a joint where the parts are perpendicular to one another. Fig. 2 is a detached view of the internal construction of the last-named joint.

In Fig. 1 the board A is shown as jointed to the side board, D. In order to effect this junction the board A is provided on its upper surface with the longitudinal groove *o*, fitted to receive the tongue *p* of the board D. In the groove *o*, to prevent a lengthwise movement of the last-named parts, is placed the stop *s*, which fits into a recess, *t*, cut in the tongue *p* of the board D. The boards A and D are rigidly held together by means of a lock, E, pivoted on the board A near the angle of the latter with the board D, and so located with reference to the board D that when such lock E is turned transversely (or nearly so) to the board A, the vertical portion of the lock E abuts against the inner surface of the board D, while the outer end of the lock E enters the recess *v* formed in the inner side of the board D. The lower surface of the outer end of the lock E is made convex, so as to wedge itself upon the lower wall of the recess *v*, and thus cause a firm juncture of the boards A and D. By the pressure of the lock E against the side

of the board D a tight joint in the groove *o* is secured.

The advantages of my invention are numerous and palpable. As applied to furniture of a bulky character—such as wardrobes, bureaus, secretaries, &c.—by furnishing a ready mode of taking such apart and reconstructing them freight thereon is very largely reduced and the articles more safely shipped, more readily stored, and more easily carried through small openings and up winding stairways to be set up in the apartment where wanted. As applied to boxes used for the transportation of merchandise, it permits the same, when received, to be taken apart and cheaply reshipped to the consignor for further use. In the construction shown by my invention a smooth, unbroken exterior surface is presented, having no nail or screw holes to be hidden with putty. Glue also is dispensed with. The invention combines strength, simplicity, utility, and, more than all, the advantage of a speedy separation and recombination of the parts.

This joint essentially differs from that in Patent No. 230,571 in being a dust-tight one, the parts of which are not liable to warp. Said joint is especially adapted for use in furniture—such as bureaus, secretaries, and the like—while that in said patent cannot be made so tight as to exclude dust, or so firm as to prevent warping, no matter how many dowels may be put in. But it is obvious that only a very few dowels can be used in that construction, otherwise the top of the table would be very badly weakened.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The separable joint herein described, consisting of a groove, *o*, in the board A, the stop *s* and recess *t*, tongue *p*, and recess *v* in the board D, and lock E, all constructed and combined as and for the purpose set forth.

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

SANFORD B. DILL.

Witnesses:

FAYETTE DYER,
A. J. UPHAM.