

No. 847,598.

PATENTED MAR. 19, 1907.

T. K. OVERGAARD.
DISJOINTABLE PACKING CASE.
APPLICATION FILED OCT. 18, 1905.

Fig. 1.

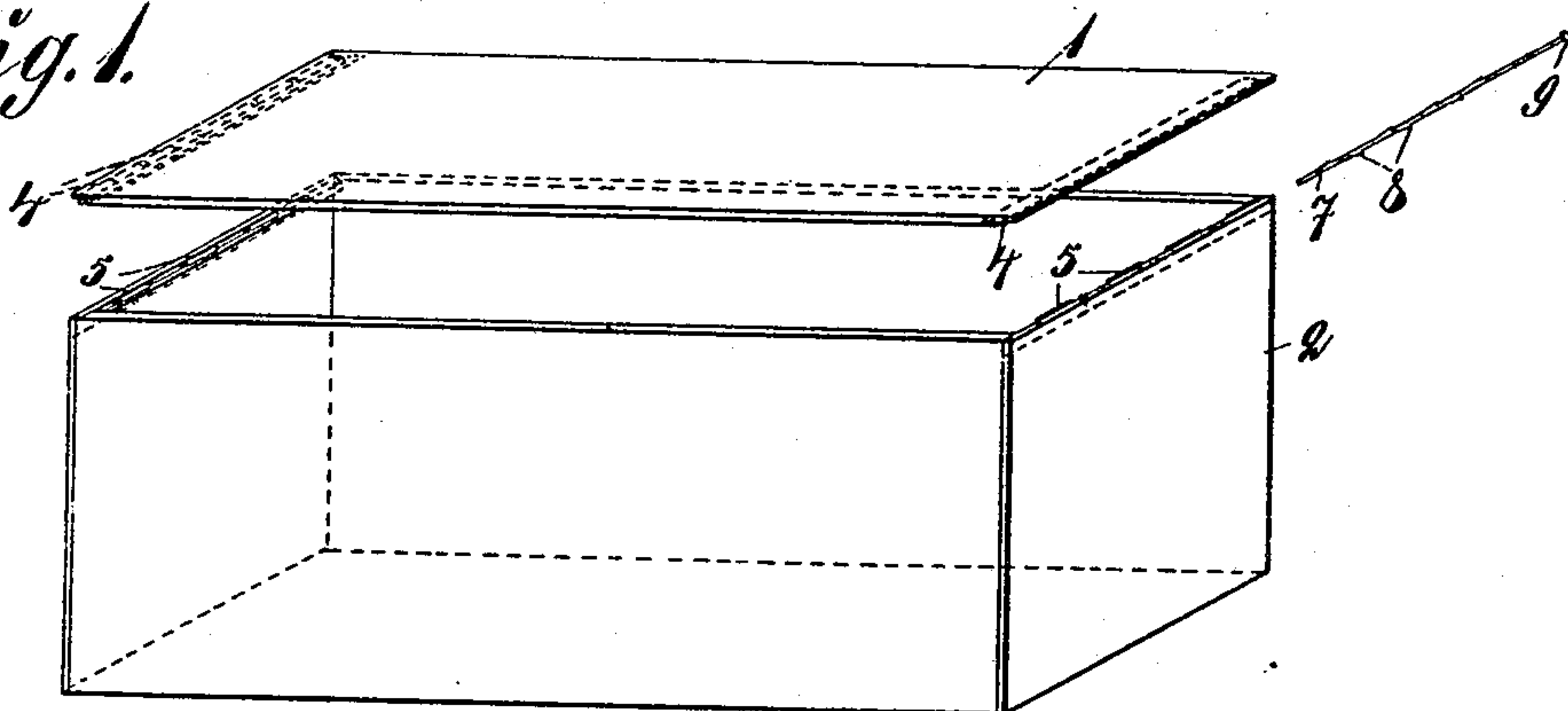


Fig. 2.

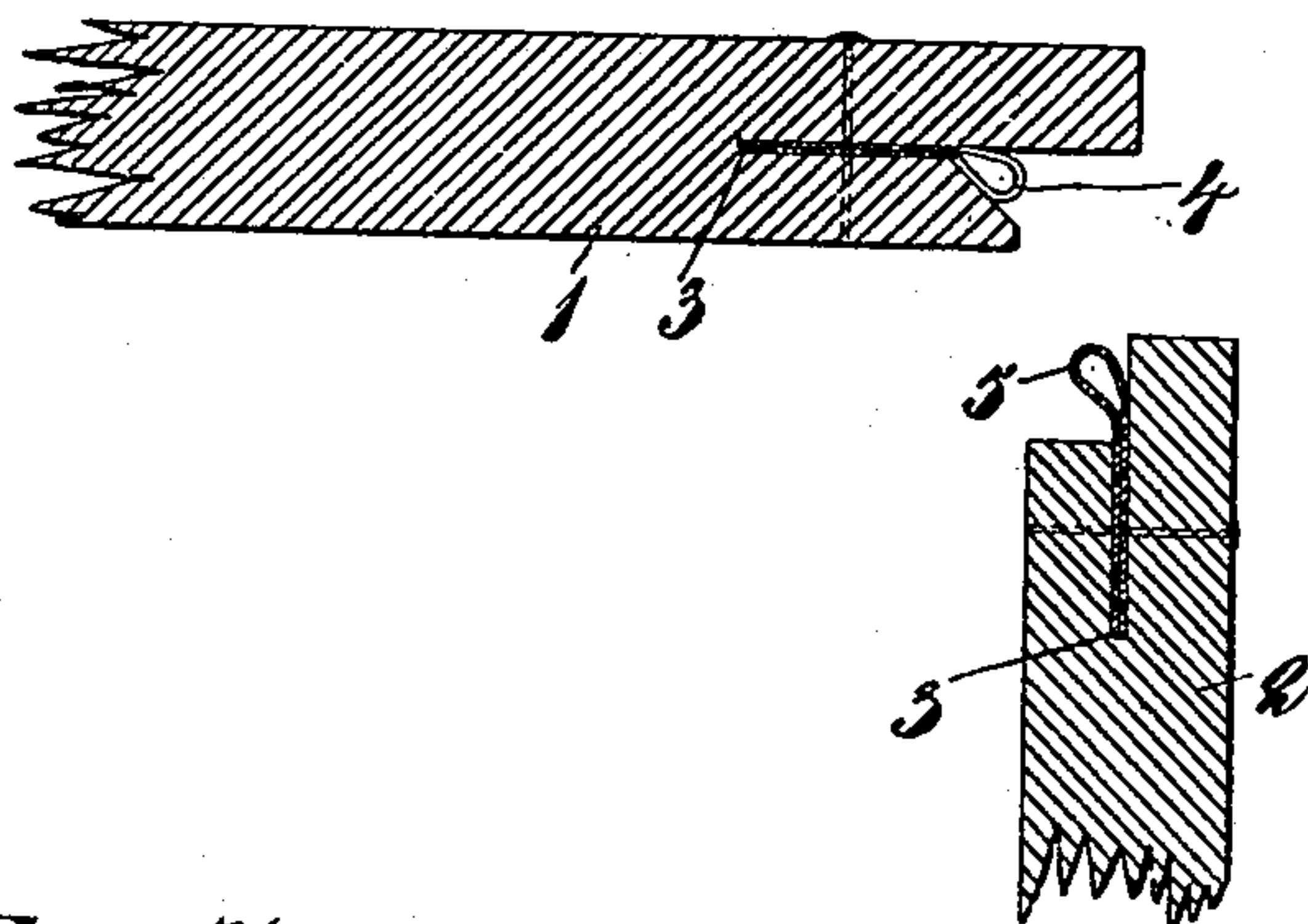


Fig. 3.

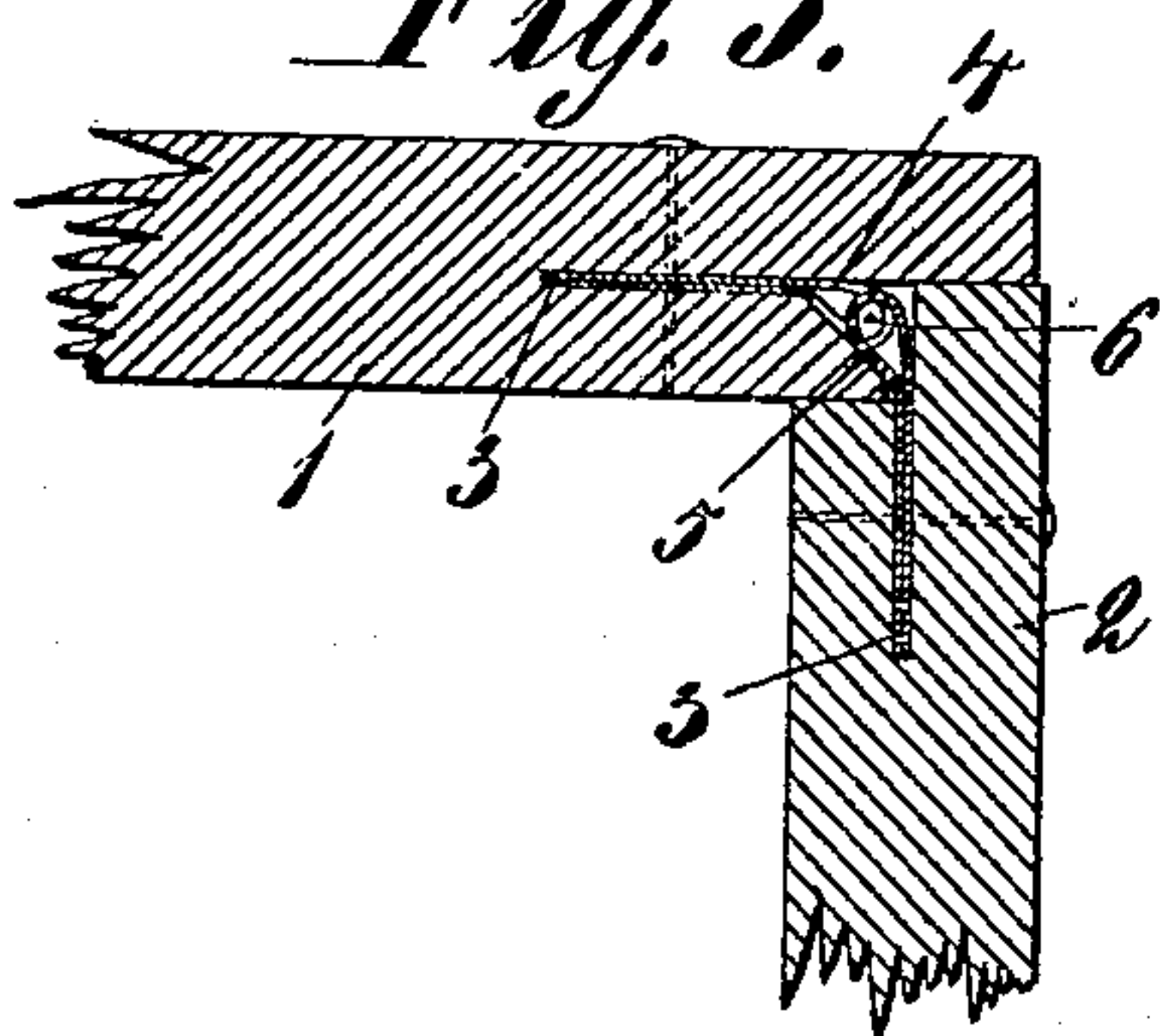
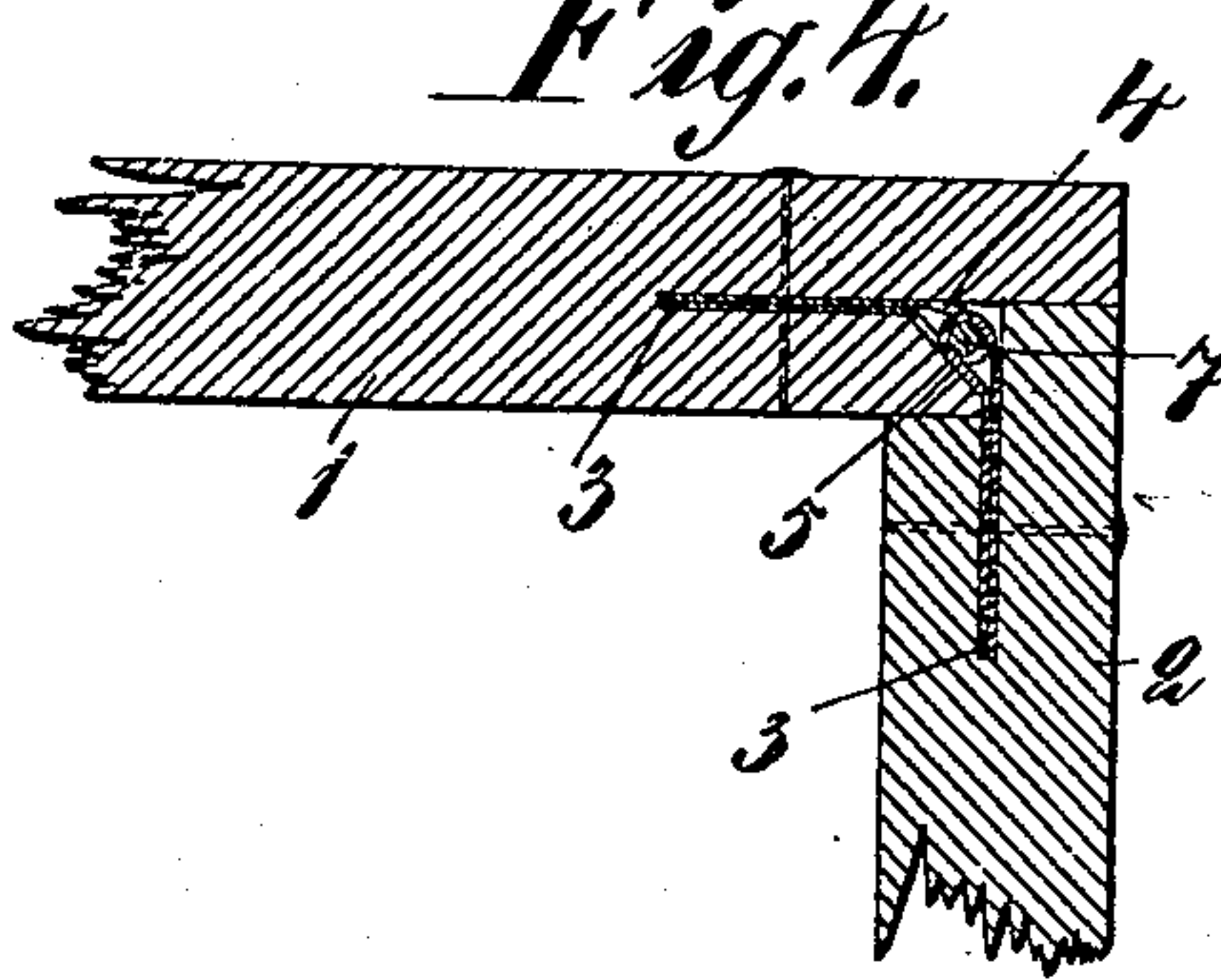


Fig. 4.



WITNESSES

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DISJOINTABLE PACKING-CASE.

No. 847,598.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed October 18, 1905. Serial No. 283,349.

To all whom it may concern:

Be it known that I, THOMAS KRISTIAN ÖVERGAARD, a subject of the King of Sweden, and a resident of Villa Tomsbo, Örgryte, Gothenburg, in the Kingdom of Sweden, have invented certain new and useful Improvements in Disjointable Packing-Cases, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in such disjointable packing-cases which for the connecting of the case parts are provided with hinge-pieces extending along the edges of the case parts and connected by a rod.

A characteristic feature of this invention consists in the said hinge-pieces, which preferably are formed from folded strips of metal sheet, being inserted to such an extent in grooves provided in the edges of the case parts that when the case parts are to be connected they engage each other, so that the channel formed by the said pieces is considerably narrower than the rod connecting the parts. Owing to this arrangement the advantage is gained that when the pointed rod is pushed into the said channel it will draw the case parts together more closely than is the case in disjointable cases of this class hitherto used.

Another characteristic feature consists in the said connecting-rod being provided with barbs directed toward the head of the rod, so that when the case is to be disjointed the rod must be drawn out in the same direction as it was inserted, which can only be done after the said head has been cut off. In this manner a simple and reliable sealing of the box is effected.

In the accompanying drawing, Figure 1 is a perspective view of a packing-case arranged in accordance with this invention with the cover and the connecting-rod. Fig. 2 is a cross-section of the ends of two case parts—the cover and one of the end walls, for instance—which are to be connected. Fig. 3 shows the parts put together, the connecting-rod being not yet inserted; and Fig. 4 shows the position of the parts after the said rod has been inserted.

In the edges of two neighboring case parts—for example, the cover 1 and one of the end walls 2—rims are provided, one of which is V-shaped and the other rectangular, as shown in Fig. 2. From the said rims grooves 3 extend inward in the boards in which the hinge-

pieces 4 5 are inserted, which extend along the whole or substantially the whole edge of the said parts. The rims when brought together form a closed chamber in which the hinge-pieces are protected. Each of the said hinge-pieces is preferably made of a folded strip of metal sheet suitably stamped, held in the grooves 3 by nails or screws, as shown. When the case parts are put together, the different loops of the hinge-pieces 4 and 5 will engage each other only partially, so that the channel 6, Fig. 3, formed by the same, is considerably narrower than the rod 7, adapted to be inserted into the said channel. One end of the said rod is pointed, so as to allow of it being pushed into the channel 6 in spite of its comparatively great diameter. When the rod is inserted, the hinge-pieces are forced one into the other, as shown in Fig. 4. If the case parts should not fit perfectly together, Fig. 3, the rod 7 will firmly draw the parts together, and even if the case parts should fit exactly the channel 6 for the rod is, however, narrower than the rod, so that the rod draws the hinge-pieces, and consequently also the case parts, firmly together.

The rod 7 may be provided with a head 9 and barbs 8, directed toward the said head, preventing the rod to be drawn out. In this manner the rod serves as a locking device, as the rod cannot be drawn out unless the head is cut off. After the head has been cut off the rod is pushed or drawn out in the same direction in which it was inserted.

Although only the cover and the end walls of the case are shown connected in the manner stated, it should, however, be understood that all case parts are connected by the means described, so that the case may be entirely disjointed, and thus requires the smallest possible space when stored, and may, moreover, be easily put together when it is to be used.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In disjointable packing-cases the combination of hinge-pieces mounted in rims in the edges of the case parts and extending along the same and inserted for such an extent in grooves extending into the case parts from the said rims, that the hinge-pieces at the edges of two adjacent case parts when put together engage each other only to such an extent that the channel for the connecting-rod is considerably narrower than the

said rod, the rims of two adjacent case parts forming closed chambers for protecting the hinge, substantially as described and for the purpose set forth.

5 2. In disjointable packing-cases the combination of hinge-pieces mounted in rims in the edges of the case parts and extending along the same and inserted for such an extent in grooves extending into the case parts
10 from the said rims, that the hinge-pieces at the edges of two adjacent case parts when put together engage each other only to such an extent that the channel for the connecting-rod is considerably narrower than the said
15 rod, and barbs provided on the connecting-rod and directed toward the head of the rod, substantially as described and for the purpose set forth.

20 3. In disjointable packing-cases the combination of hinge-pieces mounted in rims in the edges of the case parts and extending

along the same and inserted for such an extent in grooves extending into the case parts from the said rims that the hinge-pieces at the edges of two adjacent case parts when
25 put together engage each other only for such an extent that the channel for the connecting-rod is considerably narrower than the said rod, and barbs provided on the connecting-rod and directed toward the head of the rod,
30 the rims of two adjacent case parts forming closed chambers, protecting the hinge, substantially as described and for the purpose set forth.

In witness whereof I have hereunto signed
35 my name, this 6th day of October, 1905, in the presence of two subscribing witnesses.

THOMAS KRISTIAN ØVERGAARD.

Witnesses:

ERLING BRAATLIEN,
ELIN PETTERSSON.