

No. 627,276.

Patented June 20, 1899.

D. F. SHERMAN.
BOX OR PACKAGE.

(Application filed Mar. 25, 1898.)

(No Model.)

Fig. 1.

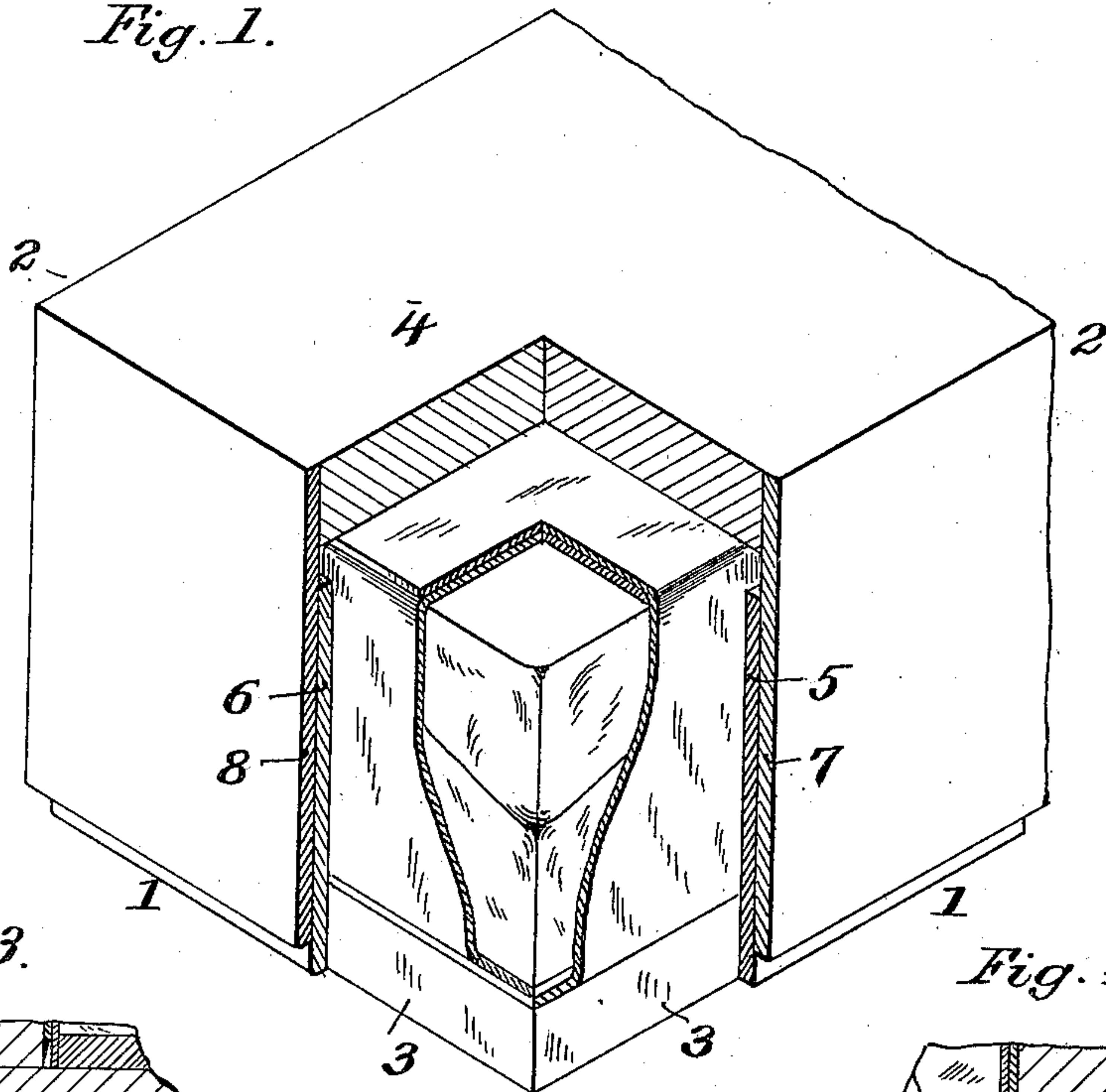


Fig. 3.

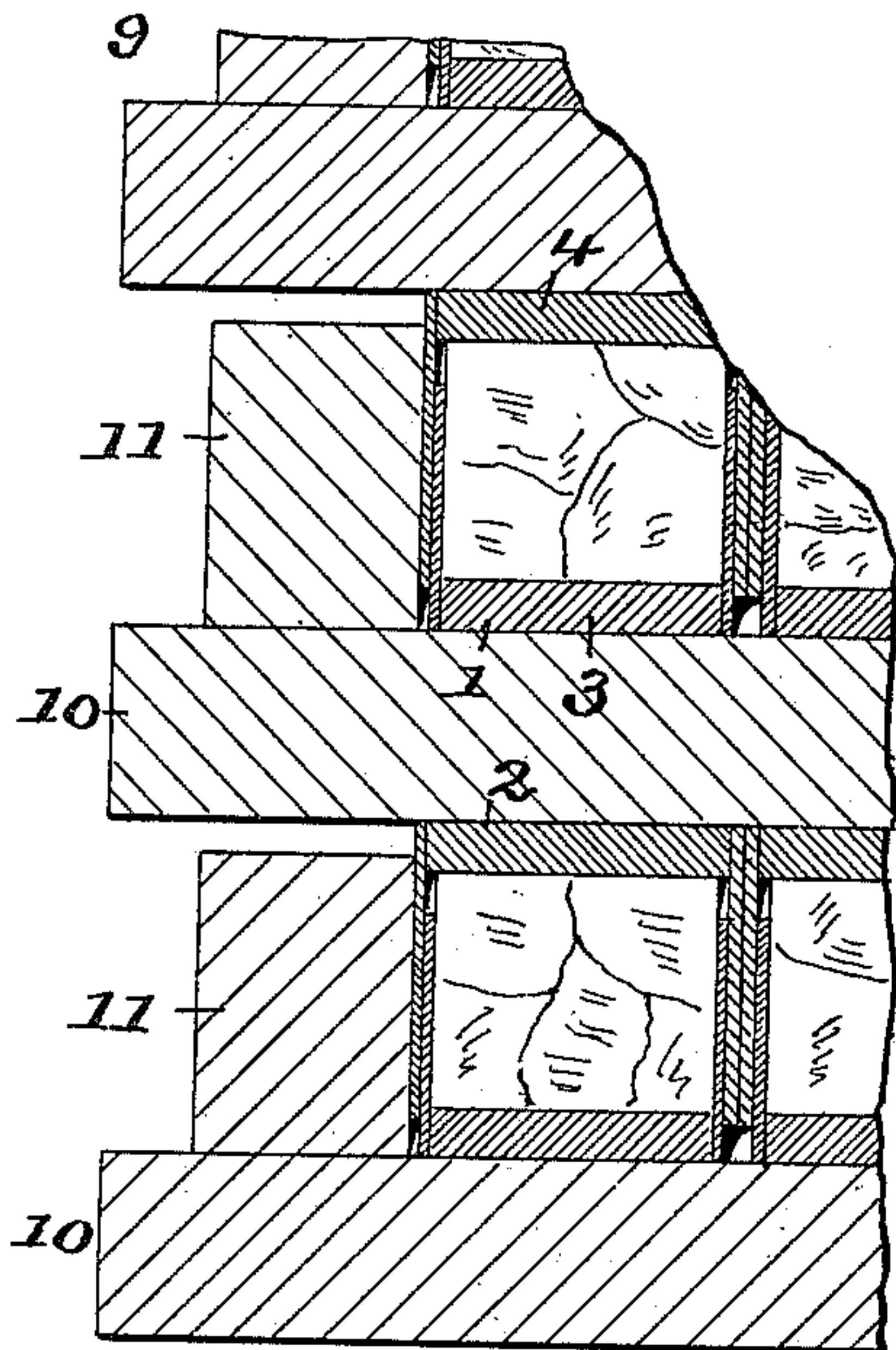


Fig. 2.

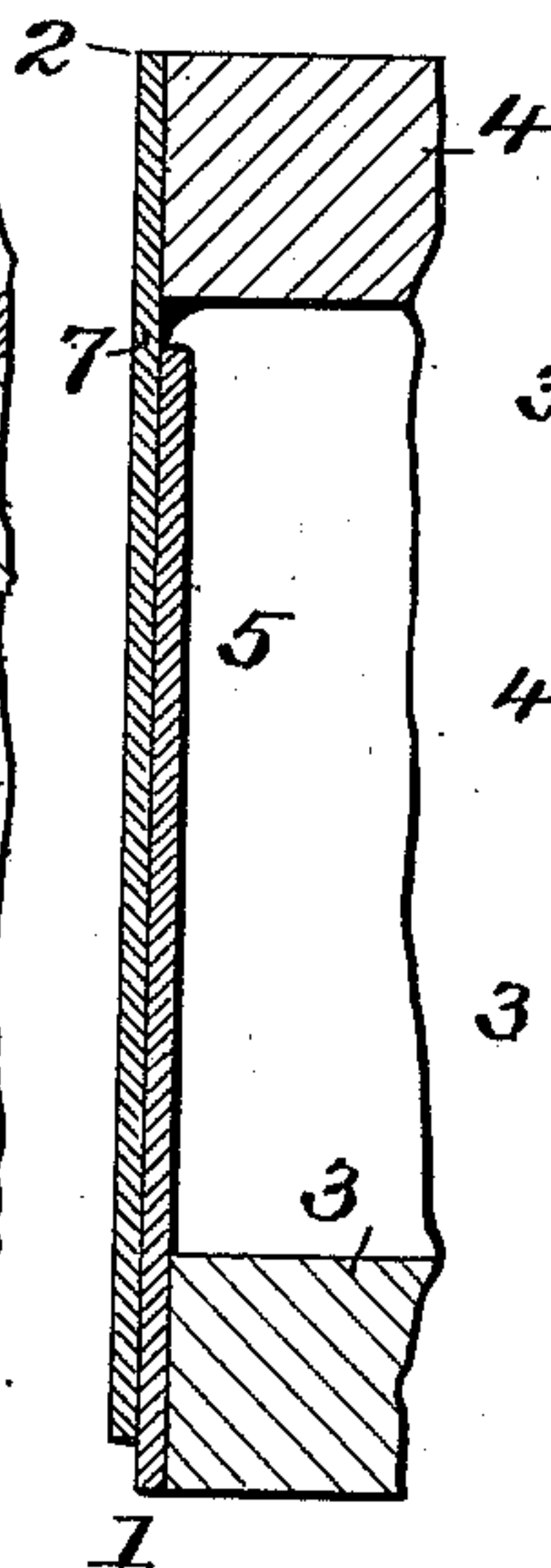
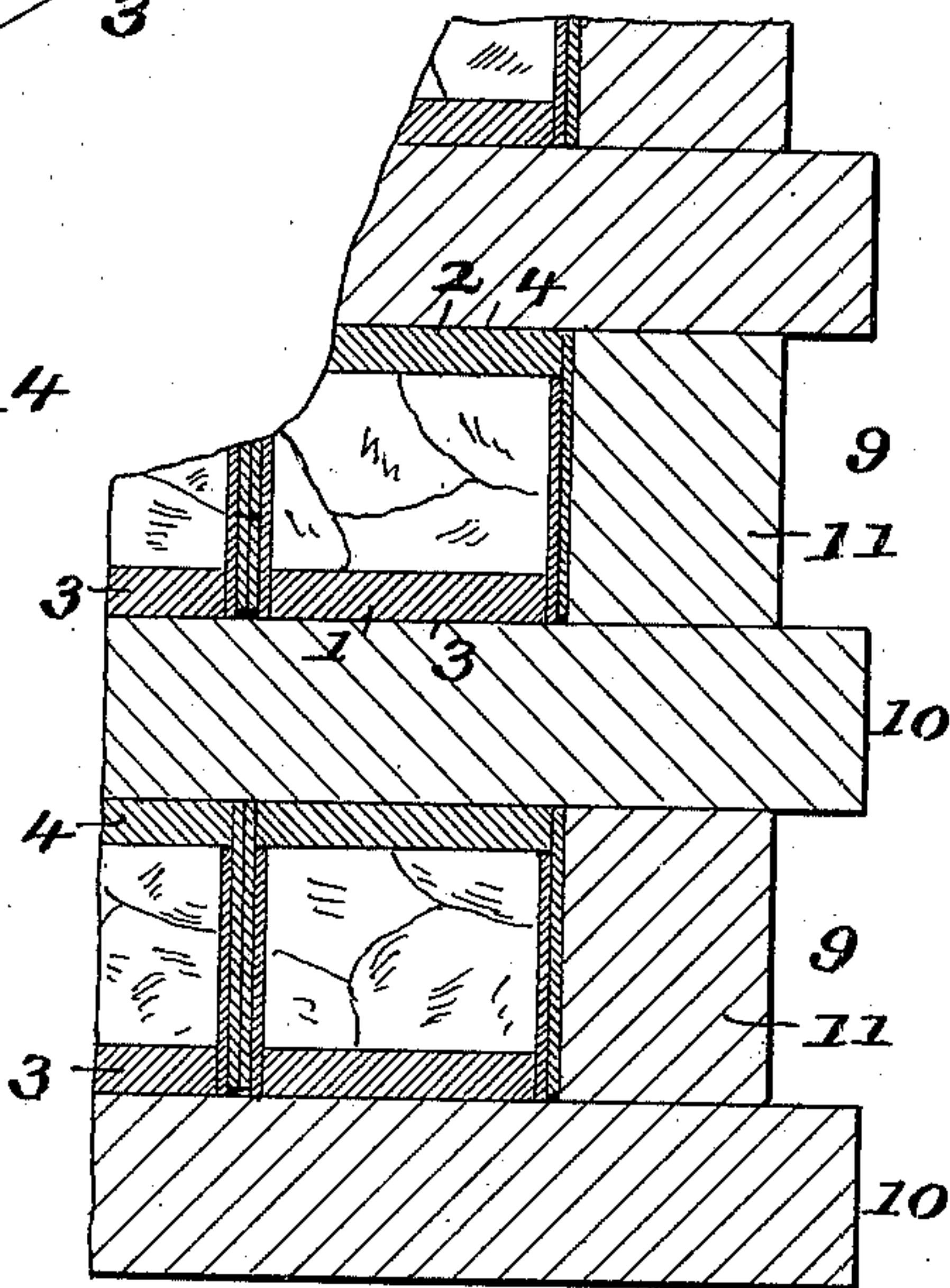


Fig. 4.



Attest:

James Cavallini
M. H. Holmes

Inventor.

Daniel F. Sherman,
by Robert Burns
Atty.

UNITED STATES PATENT OFFICE.

DANIEL F. SHERMAN, OF NEWCASTLE, CALIFORNIA.

BOX OR PACKAGE.

SPECIFICATION forming part of Letters Patent No. 627,276, dated June 20, 1899.

Application filed March 25, 1898. Serial No. 675,184. (No model.)

To all whom it may concern:

Be it known that I, DANIEL F. SHERMAN, a citizen of the United States, residing at Newcastle, in the county of Placer and State of California, have invented certain new and useful Improvements in Boxes or Packages; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

Heretofore in the packing of figs and the like in small packages for the retail trade paper and wooden boxes or packages have been used. As heretofore employed such paper and wooden boxes or packages were open to the following objections: Such boxes would lose their shape and become bulged out under the heavy hydraulic or other pressure to which the loosely-filled boxes were exposed in order to properly compact the figs within the boxes. Again, the sides of the boxes or packages were very liable to be torn away from the bottom portion thereof, and thus allow the juices and other portions of the figs to exude from the box or package, and, again, where paper packages or boxes were employed the juices of the figs would strike through the tops, sides, and bottoms of the boxes, imparting an unsightly appearance to the packages, under the heavy pressure to which the packages must be exposed in order to properly compact the contents thereof.

For the reasons above set forth it has heretofore been found impractical to compact the very superior grade of California figs into a symmetrical and uniform-sized package owing to the moist and juicy nature of such figs.

With a view to obviate the above-enumerated defects and difficulties in the packing of California figs and the like in small retail packages or boxes the present invention has for its object to provide a simple, cheap, and effective form of covered box or package in which the above-stated defects in the ordinary paper or wooden boxes are entirely overcome and by means of which a perfect and uniform size of finished packages or boxes are produced, so as to be capable of rapid and convenient packing within larger cases for shipment, &c., as will hereinafter more fully appear and be more particularly pointed out in the claims. I attain such objects by the

construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a detail perspective view of a box or package constructed in accordance with the present invention, a portion of the parts being broken away to illustrate the present improved construction; Fig. 2, an enlarged detail section of the box or package; Fig. 3, a detail sectional elevation of a portion of a press with the boxes in place, the parts being shown in a position previous to the pressing operation; Fig. 4, a similar view showing the position of the parts after the pressing operation.

Similar numerals of reference indicate like parts in the several views.

As represented in the drawings, the present improved box will consist of a body portion 1 and a cover portion 2, that are preferably of an oblong rectangular form, as shown, but which may be of any other usual form, without departing from the spirit of the present invention, the form shown being, however, preferred for reasons hereinafter set forth.

In the present improvement the top and bottom boards 3 and 4 of the box or package will be made of thick and rigid pieces of wood or other like material that will afford the proper rigidity, as well as substantial attachment of the sides and ends of the box or package.

The integrally-formed sides and ends 5 6 85 and 7 8 of the body and cover portions of the box or package will be made of a thin pasteboard or other like material and preferably provided with the usual outer covering of finished paper that may extend over the respective top and bottom boards 3 and 4 to impart a finished appearance to the box or package.

It is a material part of the present invention to have the integrally-formed sides and ends 7 and 8 of the cover portion 2 of the box of such a depth that it will extend down and preferably overlap to a small extent the thickened bottom 3 of the box when the same is loosely filled with figs and before the same has been submitted to pressure. As so constructed but little, if any, outward strain will be exerted against the lower marginal portion of such cover, sides, and ends to cause the

same to spread and tear and at the same time will afford additional strength to the sides and ends of the body portion 1 to resist the tendency of the same under pressure to
5 tear away from their attachment to the thickened bottom 3 of the body portion of the box.

The present improved box construction is specially adapted for rapid work in that, as represented in Figs. 3 and 4 of the drawings,
10 a large number of the filled boxes can be arranged side by side in press-trays 9, that are formed with closed bottoms 10, open tops, and a marginal rim 11, that has a height equal to that of the boxes after a pressing operation,
15 such trays being arranged in the press in superimposed series, so that with one action of the press a very large number of retail packages can be compressed into packages of a uniform size and without any liability of
20 any one package being pressed out of shape or of the exudation of the fig-juice from any one package owing to accidental overpressure exerted upon the same.

In addition to the above the present im-
25 proved box or package prevents in a great measure evaporation and gradual drying up of the figs, and in consequence thereof the figs will remain fresh and moist for an indefinite period.

Having thus fully described my said inven- 30
tion, what I claim as new, and desire to secure by Letters Patent, is—

1. A box or package for figs and the like, comprising a body portion having a thick bot- 35
tom, and a cover portion extending down outside the body portion, so as to overlap the thick bottom of the body portion, so that the lower marginal portion of the cover will be without the field of outward pressure during the op- 40
eration of compressing the contents of the box, substantially as set forth.

2. A box or package for figs and the like, comprising a body portion having a thick bot-
tom, and a cover portion comprising the thick board 4, and integral sides and ends 7 and 8, 45
that are adapted to extend down outside the body portion so as to overlap the thick bottom of the body portion, so that the lower marginal portion of the cover will be without the field of outward pressure during the operation of 50
compressing the contents of the box, substantially as set forth.

In testimony whereof witness my hand this
22d day of March, 1898.

DANIEL F. SHERMAN.

In presence of—

C. S. LYTLE,

ROBT. BURNS.