

J. J. Leighton,
Wooden Box,
No 84,200, Patented Nov. 17, 1868.

Fig: 1.

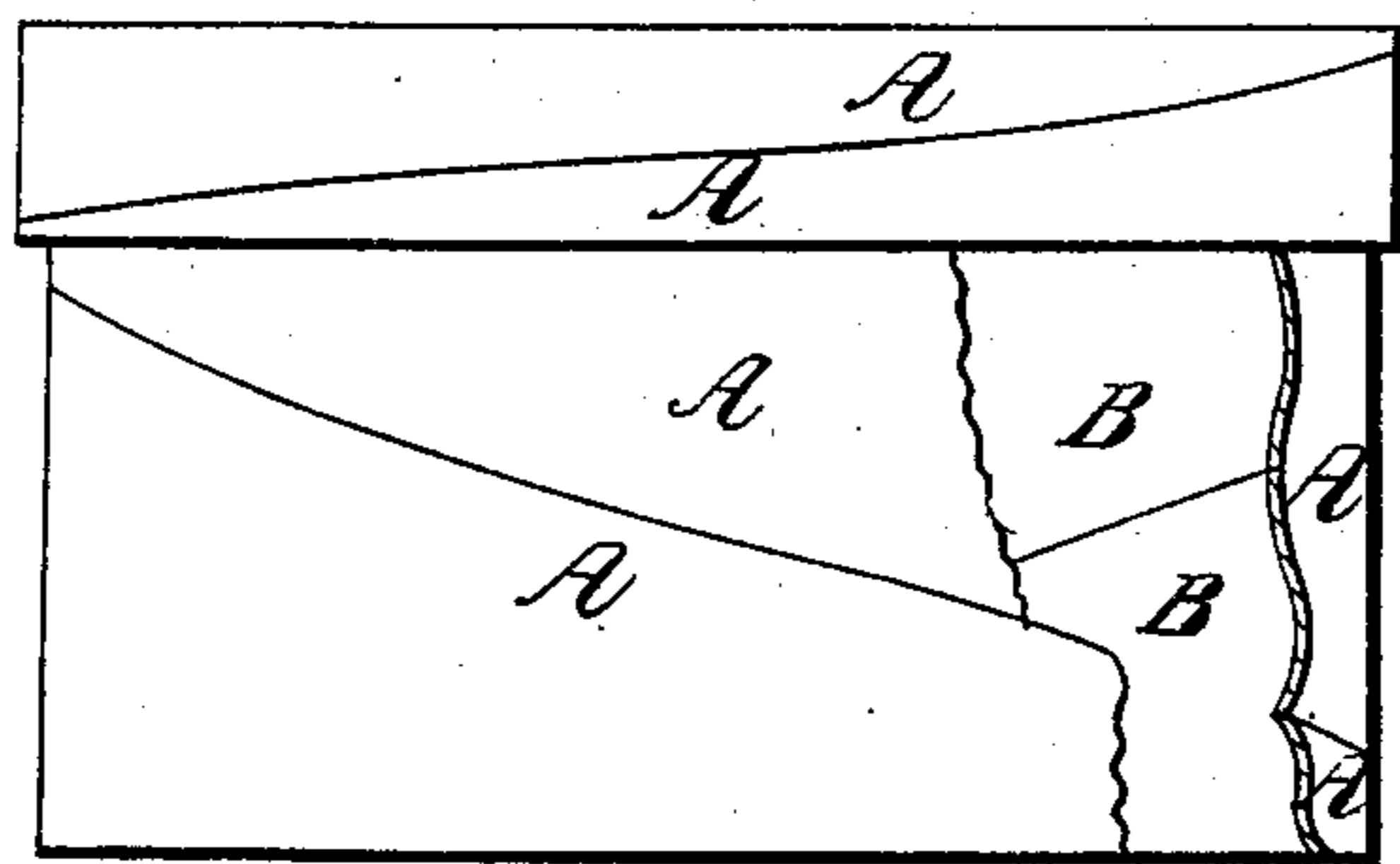
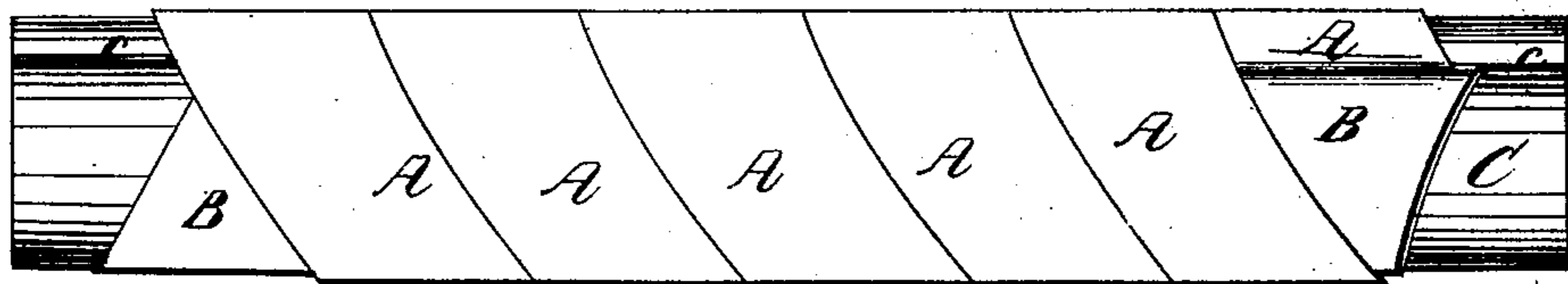


Fig: 2.



Witnesses:
Henry Cornish Jr
R. S. Turner.

Inventor:
Joseph J. Leighton,
By his atty.
J. S. Brown.



JOSEPH J. LEIGHTON. OF BOSTON, MASSACHUSETTS.

Letters Patent No. 84,200, dated November 17, 1868.

IMPROVED BOX.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JOSEPH J. LEIGHTON, of Boston, in the county of Suffolk, and State of Massachusetts, have invented an Improved Wooden Box; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a side view of the box.

Figure 2, a view showing the method of bending the material around a mandrel or form in making the box

Like letters designate corresponding parts in both the figures.

The nature of my invention consists in a cylindrical or approximate form of box, composed of two or more layers of thin wood, wound spirally around the periphery, each layer crossing the adjacent layer spirally, in opposite directions, so that their grains shall cross each other, and the said layers being glued or otherwise secured together.

In the drawings, the outer layer A is shown wound spirally in one direction, and the inner layer B wound spirally in the other direction, in relation to the axis of the box. Both the body of the box and the cover are formed in the same way. The bottoms and heads are inserted as usual.

In making boxes by this method a cylindrical (or desired shape of) mandrel or form C (fig. 2) is prepared, having suitable slots *c c*, or other means of clamping or securing the ends of the strips of wood thereto. Then the first or under strip B is attached or secured and wound around the form, so as to bring

the adjacent edges thereof in close contact, the strips having been previously formed of uniform width and with jointed edges for the purpose. The layer is then covered with a coat of glue, (when used,) and the next layer A, similarly prepared, is wound outside of the first layer spirally in the opposite direction, as shown in the same figure. Then, if another layer is to be added, it is wound around and secured to the layer A in the same manner as that layer is laid upon the layer B. Thus any desired number of layers may be joined together, but generally two layers are sufficient. The outer layer A may be a veneer, of handsome wood, while the inner layer B is of inferior wood.

The strips may be of any convenient length, so as to make more than one or even several boxes from one tubular stock wound on the mandrel, by cutting off transversely therefrom sections of the required lengths.

The box may be made very light, and still strong and durable. Its construction is quick and cheap.

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

A round or cylindrical wooden box, composed of two or more layers of wood, wound spirally around in opposite directions, and glued or otherwise secured together, substantially as herein specified.

The above specification of my improved wooden box signed by me, this 26th day of April, 1868.

JOSEPH J. LEIGHTON.

Witnesses:

SAML. R. WORTH,
R. HOTCHKISS.