

A. Mc Burth,
Cutting Veneers.
N^o 4,674. Patented July 28, 1846.

Fig. 1.

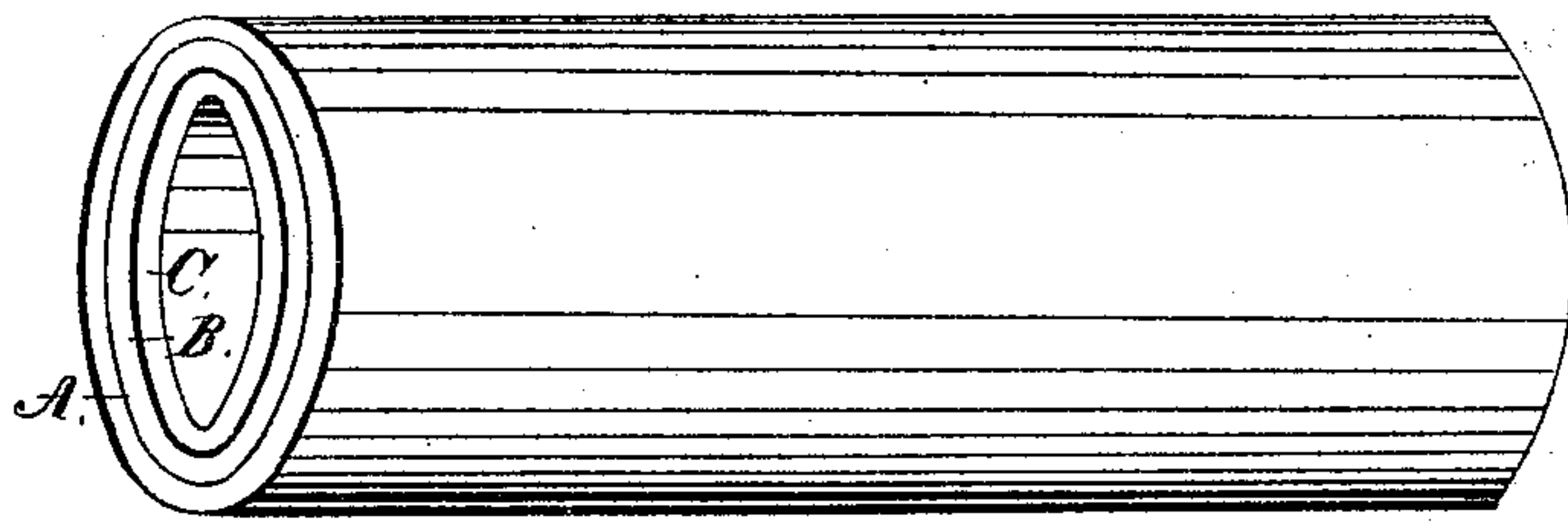
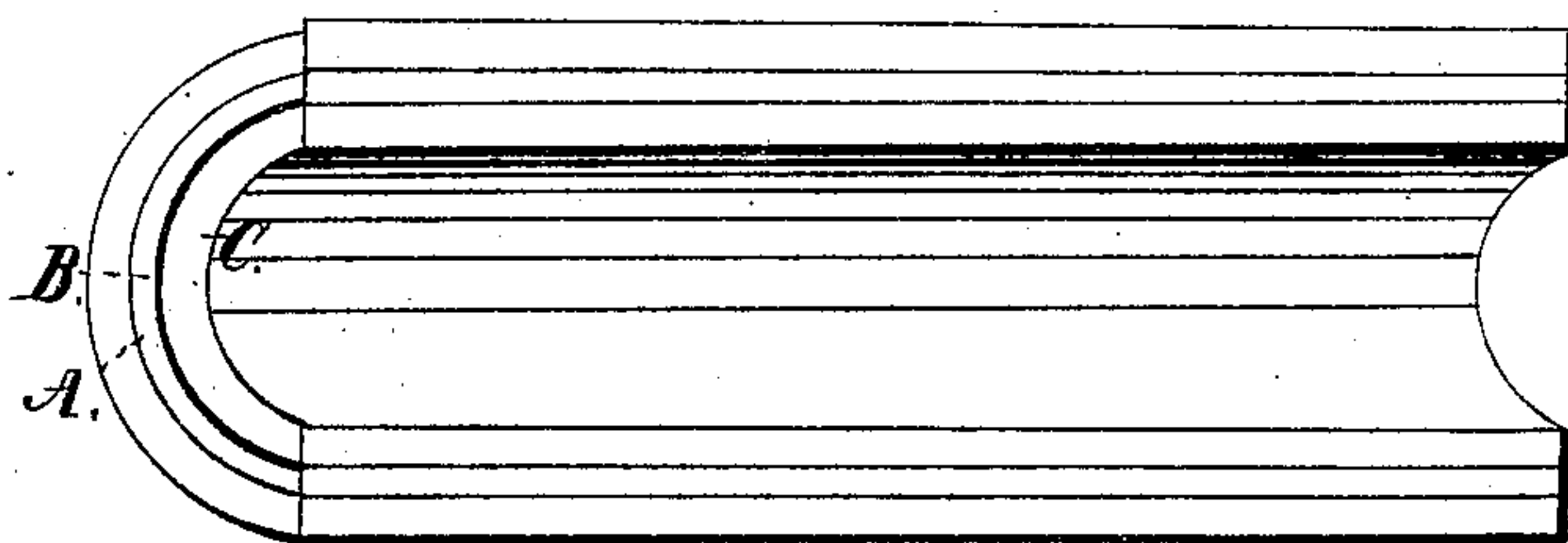


Fig. 2.



Witnesses:

D. M. H. H. H.

Geo. Green

Inventor:

A. M. Burth

UNITED STATES PATENT OFFICE.

AUGUSTUS McBURTH, OF NEW YORK, N. Y.

VENEERING.

Specification of Letters Patent No. 4,674, dated July 28, 1846.

To all whom it may concern:

Be it known that I, AUGUSTUS McBURTH, of the city, county, and State of New York, have invented a new and Improved Mode of Veneering Woods or of Uniting Two or More Pieces or Layers of Wood, usually designated Veneers; and I do hereby declare that the following is a full and exact description thereof.

10 The nature of my invention consists in interposing between the veneers, or veneer and body to which it is to be attached or united, or layers of wood to be united, a cotton, linen, canvas or other cloth (the cloth and parts of the wood to be adjoined being first covered, or prepared with glue, or other adhesive material) and then placing the parts to be united in juxtaposition, the cloths prepared as aforesaid being interposed, and uniting them by any of the known or suitable modes of compression. The cloth thus interposed adheres firmly to every part of the adjacent wood and prevents the veneer from splitting, or cracking with the grain of the wood or leaving the body to which it is attached—renders two veneers minutely thin thus united stronger and more durable than if united in the usual mode, and than solid wood of many times its thickness or size.

35 This invention is peculiarly adapted to the veneering or formation of unequal surfaces, or to cases where the veneering wood is required to be bent, or compressed out of its natural inclination. It is especially adapted to the construction of wooden tubes, or pipes.

40 The mode I adopt in the constructing of tubes, or pipes, is the following: A veneer or layer of wood is first rolled around a rod or shaft, attached to a crank and turning with it, and compressed by a cord (I have

used) or other compression into the required shape, the cloth saturated with glue, or other adhesive substance is then rolled tightly around the veneer thus shaped as above, and then another veneer or layer of wood is applied upon the cloth and compressed by the means above stated, into contact with every part of the cloth. By turning upon which the veneers are shaped or rolled, over a furnace the glue or adhesive matter is made to penetrate every part of the fabric.

The drawings annexed exhibit a cross and longitudinal section of a tube, or pipe thus constructed.

The letters A, B, and C, in the Figures Nos. 1 and 2 show the position of the outer and inner layers of wood and cloth—B designates the position of the cloth.

A tube thus formed is more durable than if bored or hollowed, not splitting with the grain of the wood, as when bored or hollowed, and being capable of sustaining a much greater force applied within or without, than bored or hollowed tubes.

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

The use or application, in veneering or uniting layers of wood, of linen, cotton, canvas, or other cloth, covered or prepared with glue or other adhesive substance, interposed between the veneers or layers of wood to be united, or veneer or body to which it is to be united, substantially as described, whether this be employed for making tubes, or pipes constructed as above for the purposes to which they may be suited or applicable, or to any other purpose.

A. McBURTH.

In presence of—

TIMOTHY R. HIBBARD,
JNO. T. GREEN.