J. K. MAYO.

MATERIAL FOR ROOFING, TUBING, TANKS, WAINSCOTING, BOATS AND OTHER STRUCTURES.

No. 51,735. Patented Dec. 26, 1865.

Fig: 1

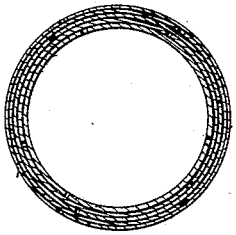


Fig: 2.

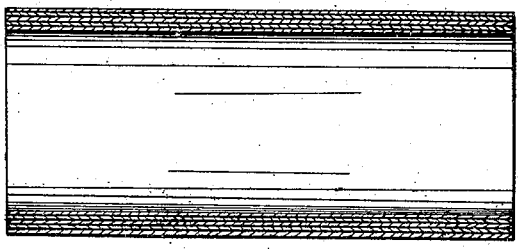


Fig: 3.

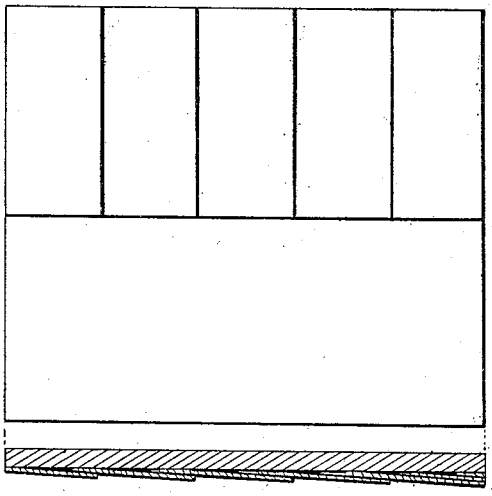


Fig: 4.

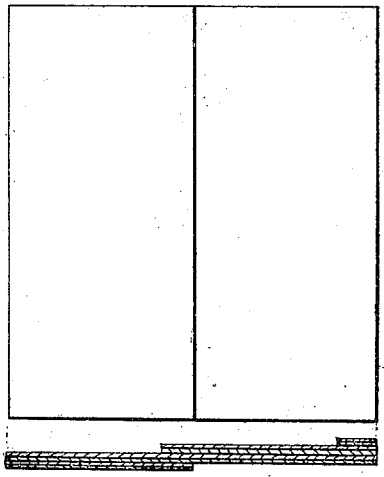


Fig: 5.

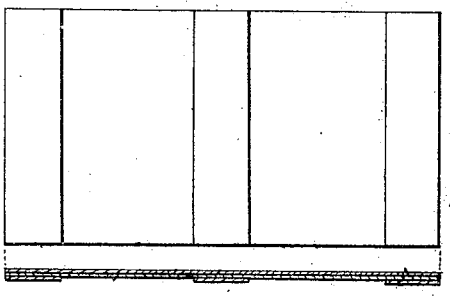
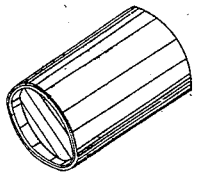


Fig: 6.



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UNITED STATES PATENT OFFICE.

JOHN K. MAYO, OF PORTLAND, MAINE.

PROVED MATERIAL FOR ROOFING, TUBING, TANKS, WAINSCOTING, BOATS, AND OTHER STRUCTURES.

Specification forming part of Letters Patent No. **51,735**, dated December 26, 1865.

To all whom it may concern:

Be it known that I, JOHN K. MAYO, of Portland, in the county of Cumberland and State f Maine, have invented a new and useful Improvement in the Manufacture of Material for es Generally; 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, which are made part of this specification, and in which—

Figure 1 is a transverse section of a water-pipe constructed according to my invention, and Fig. 2 is a longitudinal section of the same. Fig. 3 is a side elevation and sectional view of a portion of clapboarding made upon my improved plan. Fig. 4 represents similar views of a section of roofing illustrative of my invention. Fig. 5 represents similar views of a portion of the interior lining of a house or other analogous structure embodying the same principle. Fig. 6 represents a barrel, to which article my invention may also be advantageously applied.

The scale used in the ensuing description consists of a thin layer of wood cut from a board or log and forming a veneer.

My invention consists in cementing together a number of these scales or veneers with the grain of the successive pieces running crosswise or diversely. A number of these scale-boards, their surfaces having been previously treated with cement or analogous material, are so laid together as to cross the grain of the respective pieces, so as to form a firm material for the construction of houses, boats, ships, tanks, floors, pipes, drains, sewers, packing-cases, boxes, barrels, sidewalks, cans, pails, tubs, firkins, measures, cheese-boxes, trunks, valises, dry-docks, canal-locks, mill and factory plumes, masts, spars, outside covering and inside finish of houses, stores, shops, depots, and warehouses, fences, covering of piles, railroad-cars, railroad and suspension bridges, railroad tracks and sleepers, wagons, carriages, and carts, bedsteads, sacking, mattresses, and covering of beds, sofas, and sofa-bedsteads, divans, lounges, chairs, and settees. In house-architecture the weather-boarding and inside finish of the house may consist of this material, and in vessels of every kind it may be made the covering or lining of the ribs or skeleton, or in some instances may form the body of the article—as, for instance, in pipes in which the layers are united by an impervious cement, and so applied to each other that the grain of one will be lengthwise of the pipe, of another will be at right angles to the former, and, if others are added, may be spirally around it.

By the well-known processes of wet and dry heating such a pliability may be given to the layers as to permit them to readily assume various figures, or be laid upon irregular objects with the grain of the respective pieces running diversely, so as to prevent splitting.

I cannot pretend to anticipate all the various uses to which this scale-board may be applied; but suffice it to say that by the means employed, I am enabled to make a very strong and light structure of whatever shape it may be, or for whatever purpose it may be designed. It is capable of being made an effective and elegant substitute for the usual covering of the walls of rooms. For flooring it is also available, and especially in cases where it is an object to make apartments air-tight, as in ice-houses, fruit-chambers, and other rooms which it is desired to isolate for any purpose.

It is believed that the drawings in connection with the above statement will suffice to explain my invention without dwelling further upon it.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

The application of scale-boards or veneers in layers, the direction of whose grain is crossed or diversified, and which are connected together, forming a material for the construction, lining, or covering of land and marine structures.

JOHN K. MAYO.

Witnesses:
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