

UNITED STATES PATENT OFFICE.

ALBERT BRISBANE, OF NEW YORK, N. Y.

IMPROVEMENT IN PROCESSES FOR TREATING WOOD FOR PAVING AND OTHER PURPOSES.

Specification forming part of Letters Patent No. **155,788**, dated October 13, 1874; application filed March 7, 1874.

To all whom it may concern:

Be it known that I, ALBERT BRISBANE, of New York, in the county of New York and State of New York, have invented certain new and useful Processes for Treating Wood for Pavements and other purposes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to wooden pavements; and the invention consists in rendering the wood to be used for such purposes compact, impervious, and durable by first impregnating it thoroughly with coal-oil or other heavy hydrocarbon, and then subjecting it to pressure, so as to make it solid, or reduce it to a consistency of compact hardness capable of offering great resistance to wear.

To make my improved wood for pavements, I take any description of wood—the soft and porous varieties answering equally as well, if not better, than the harder. It is then sawed

into blocks, of size convenient to be operated upon, and suitable to be afterward reduced to the required form in molds. I then thoroughly impregnate the blocks with coal-tar, by any of the well-known processes of saturation. When thoroughly saturated, the blocks are then transferred to molds of the required form, and subjected to heavy pressure, so as to compress the fiber of the wood, which is then held firmly, and prevented from again expanding or being affected by the weather by the close contact and adhesive qualities of the coal-tar.

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

Wooden paving-blocks saturated with coal-tar, and afterward subjected to heavy pressure, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of February, 1874.

ALBERT BRISBANE.

Witnesses:

JONA. AUSTIN,

H. B. WHEATCROFT.