

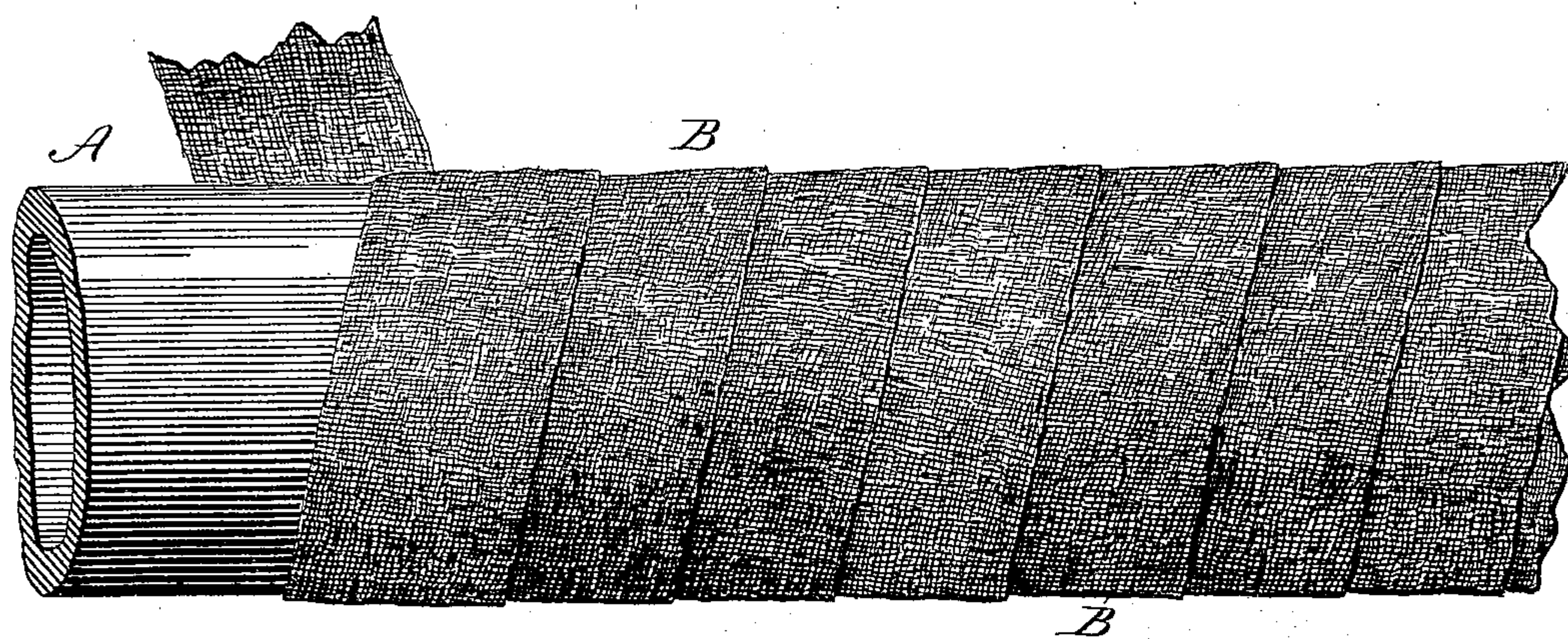
(Model.)

F. EATON.

PROTECTING IRON WATER PIPES FROM RUST.

No. 289,900.

Patented Dec. 11, 1883.



F. Eaton

Witnesses.

Jos. H. Smith

George Sinsabaugh

Inventor.

UNITED STATES PATENT OFFICE.

FREDERICK EATON, OF LOS ANGELES, CALIFORNIA.

PROTECTING IRON WATER-PIPES FROM RUST.

SPECIFICATION forming part of Letters Patent No. 289,900, dated December 11, 1883.

Application filed June 16, 1883. (Model.)

To all whom it may concern:

Be it known that I, FREDERICK EATON, a citizen of the United States, residing at Los Angeles city, State of California, have invented a new and useful improvement in protecting iron water-pipe from the effect of rust by wrapping the same with cloth and dipping in brea, asphaltum, or coal-tar, or other similar substances, of which the following is a specification.

My invention relates to certain new and useful improvements in preparing and dipping iron water-pipe to protect the iron from rust.

The object of my invention is to first wrap or wind around the outside of the iron pipe a fibrous substance, either domestic or porous paper, or any kind of cordage that will form an open or porous wrapping. This wrapping is placed spirally around the pipe, though it is not limited to that manner of wrapping. When the pipe is thus wrapped, it is dipped and allowed to remain from three to twenty-five minutes in boiling brea, asphaltum, coal-tar, or other similar indestructible preparation, after which dipping the pipe is removed from the bath and allowed to cool. It is then ready for use.

In order that those skilled in the art to which my invention appertains may know how to make and use the same, I will proceed to describe the process and construction of the pipe and wrapping and dipping, referring by letter to the accompanying drawing, in which the figure shows a section of pipe wrapped on the exterior with the wrapping material. The letter B shows the spiral wrapping as it appears either before or after dipping.

The benefit of this process is, that the fibrous

material used for a wrapping forms a tough coating, that prevents the brea, or asphaltum, or coal-tar, or other substance from chipping or breaking off from the exterior of the iron pipe. In this manner the iron surface is more perfectly and durably protected from the effect of rust.

I am aware that there are many ways for dipping or coating iron water-pipe with various preparations, so as to prevent moisture from coming in contact with the iron and thereby rusting it, and therefore I do not wish broadly to claim an invention for general plans of coating; but

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

The plan or process of first wrapping the exterior of the iron water-pipe with any fibrous substance, either domestic or porous paper, or any kind of cordage or fiber that will form an open or porous wrapping of such a character that when the pipe thus incased or wrapped and dipped in a hot solution of brea, asphaltum, coal-tar, or other preparation the said substance will find its way through the meshes or fibers of the wrapping to the exterior surface of the iron pipe, thus forming a coating of the substance on the iron surface, also forming a second coating in the meshes or fibers, also forming a coating of the substance on the exterior of the wrapping.

In witness whereof I have hereunto set my hand and seal, in the presence of two subscribing witnesses, this 8th day of June, 1883.

FREDERICK EATON. [L. S.]

Witnesses:

H. M. HOUGH,

H. H. MAYNARD.