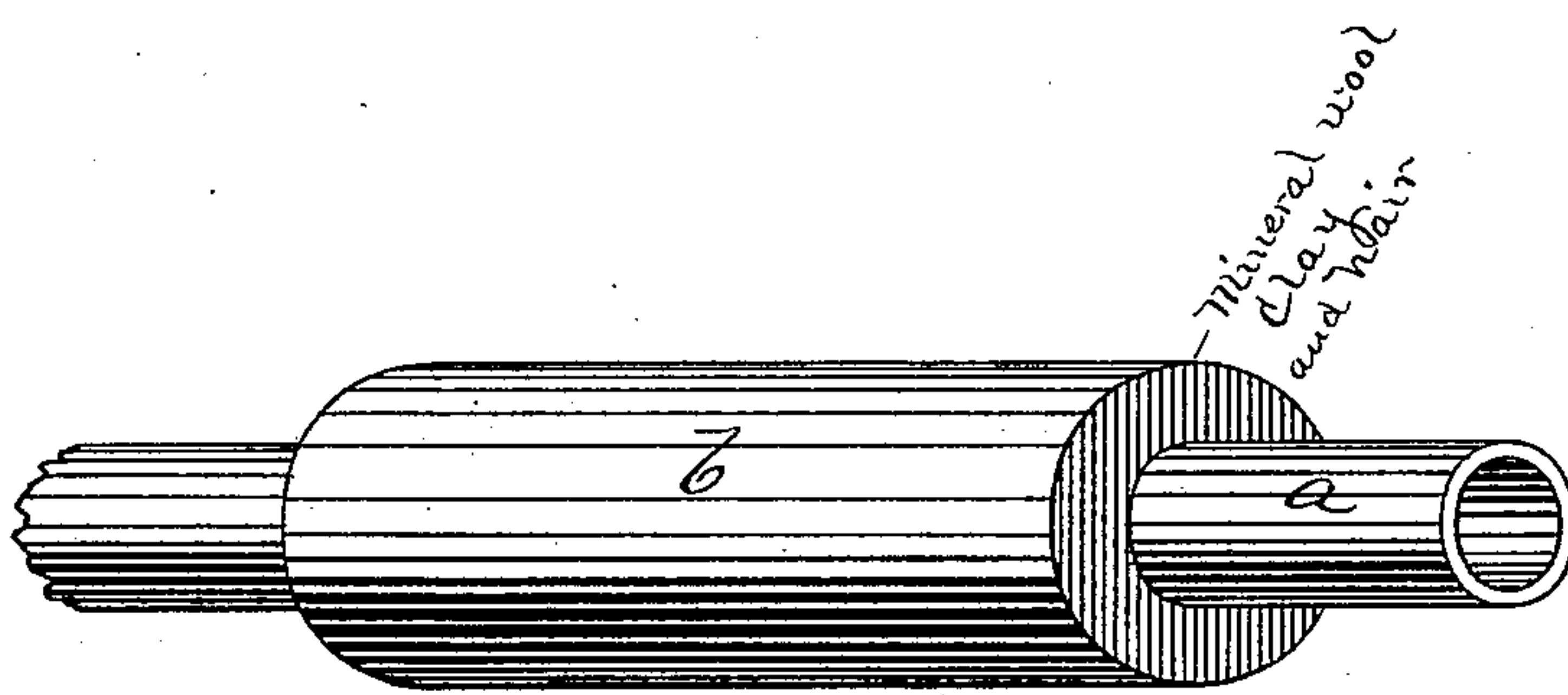


(No Model.)

W. H. ROGERS.
HEAT OBSTRUCTING MIXTURE.

No. 282,779.

Patented Aug. 7, 1883.



Witnesses.

Edwin S. Dimock.

W. H. Marsh,

Inventor.

William H. Rogers

By W. E. Simonds

Att'y.

UNITED STATES PATENT OFFICE.

WILLIAM H. ROGERS, OF HARTFORD, CONNECTICUT.

HEAT-OBSTRUCTING MIXTURE.

SPECIFICATION forming part of Letters Patent No. 282,779, dated August 7, 1883.

Application filed February 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. ROGERS, of Hartford, in the county of Hartford and State of Connecticut, have invented a certain
5 new and useful Improvement in Heat-Obstructing Mixtures, of which the following is a description, reference being had to the accompanying drawing, where the figure shows a pipe covered with a jacket made of my improved mixture for a part of the length shown.

10 In the drawing, the letter *a* denotes a metallic pipe; *b*, a jacket or covering-layer of my improved mixture applied when plastic.

This improvement is in that class of mix-
15 tures which are used for preventing the passage of heat—such, for instance, as are placed upon the exterior of steam-boilers, steam-pipes, hot-air pipes, and sometimes placed upon the exterior of cold-water pipes to prevent their
20 freezing.

A practical embodiment of my improvement is a mixture of mineral wool with clay and hair; and the working mixture, which may be varied in proportions for different
25 places and for different purposes, is: clay,

eight-tenths, (by weight;) hair, one-tenth, and mineral wool, one-tenth.

It will be readily understood that clay and hair and the mineral wool are to be moistened sufficiently to make the whole mixture plastic, 30 and that all the constituents of the mixture are to be thoroughly incorporated and intimately mixed. Mineral wool is peculiarly well adapted to preventing the passage of heat, and used in combination with clay and hair, 35 (to which other suitable and desirable heat-obstructing elements may be added, if desired,) it forms a mixture plastic enough at first for ready working, and tenacious enough after-
40 ward to hold itself in place.

I claim as my improvement—

The non-conducting mixture for covering pipes, boilers, &c., consisting of mineral wool one-tenth; hair, one-tenth, and clay eight-tenths, mixed, substantially as described.

WILLIAM H. ROGERS.

Witnesses:

CHAS. L. BURDETT,
ALBERT C. TANNER.