

(Specimens.)

A. R. BENNETT.

ASBESTUS OR AMIANTHUS STOVE AND FURNACE PIPE.

No. 326,093.

Patented Sept. 15, 1885.

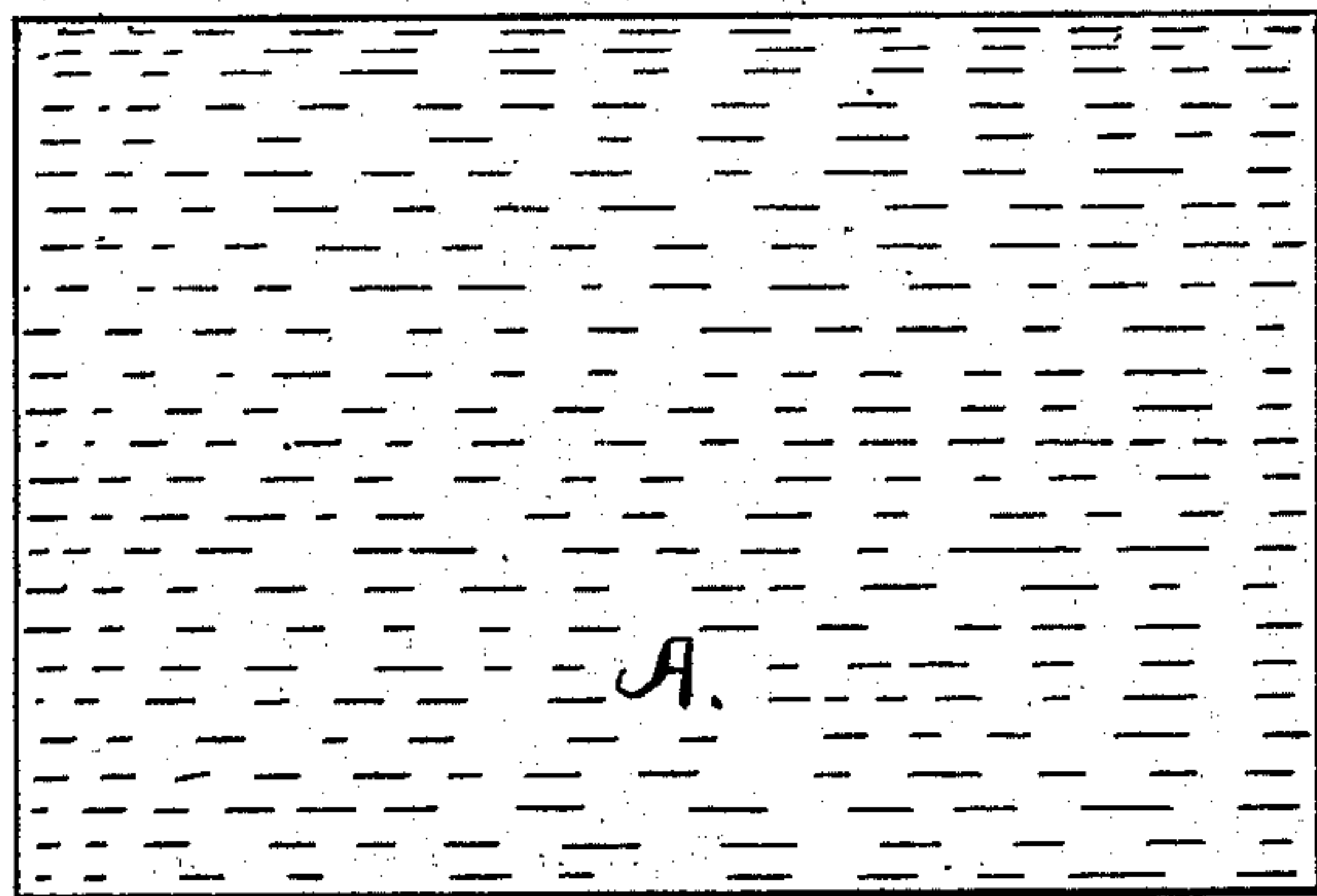


FIG. 1.

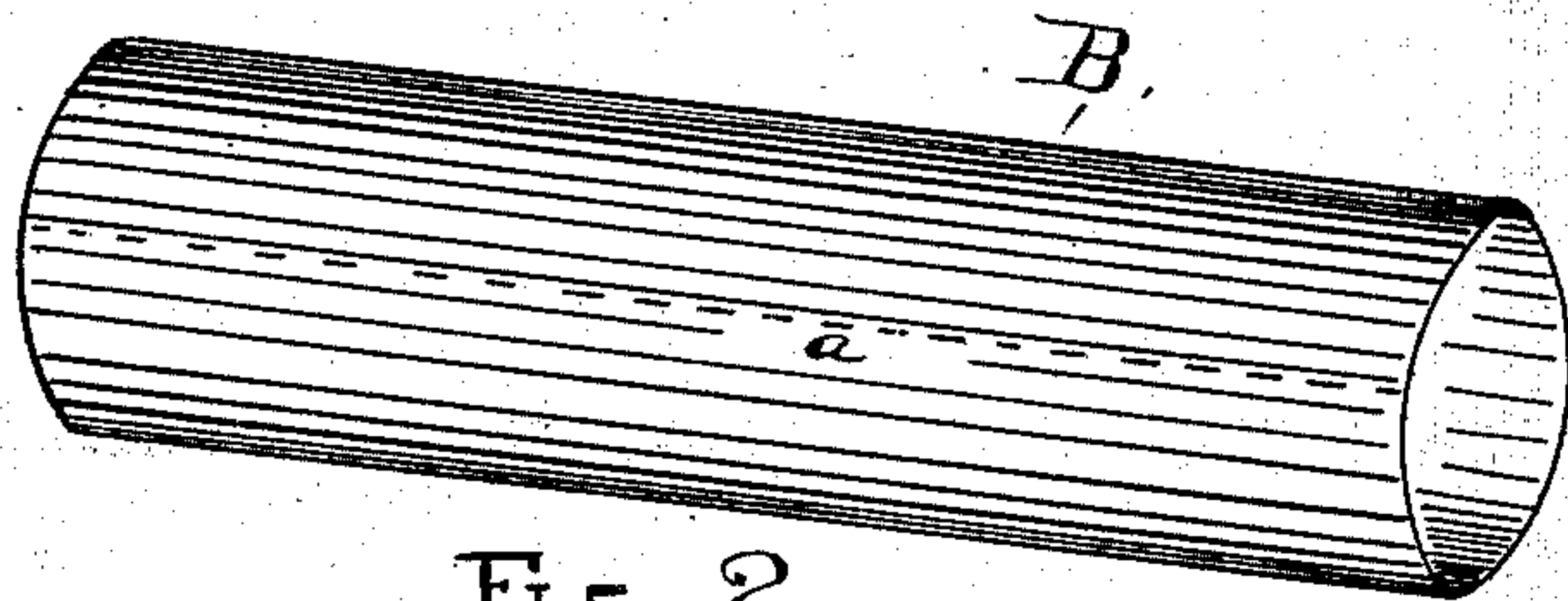


FIG. 2.

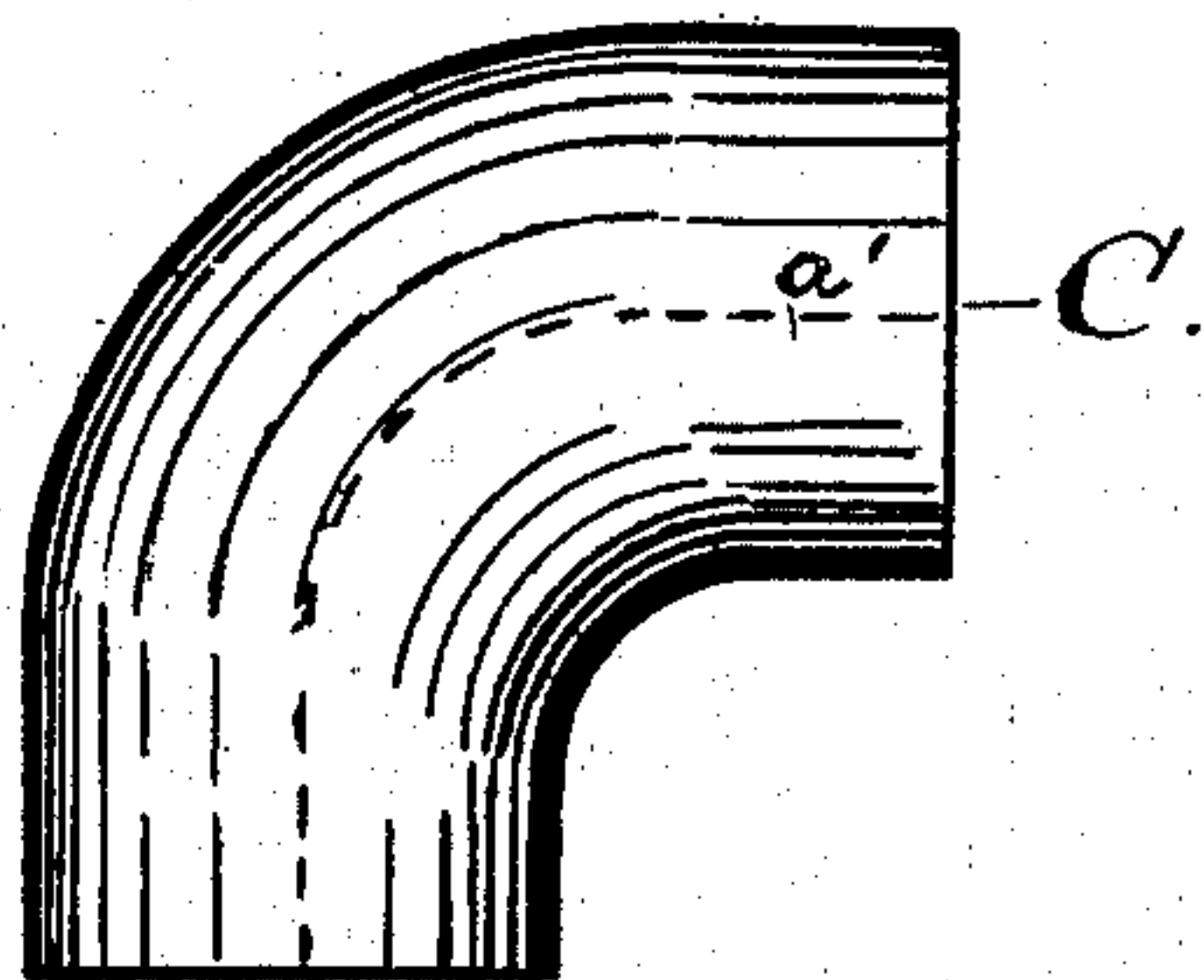


FIG. 3.

WITNESSES:

J. Childs -
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UNITED STATES PATENT OFFICE.

ANDREW R. BENNETT, OF UTICA, NEW YORK.

ASBESTUS OR AMIANTHUS STOVE AND FURNACE PIPE.

SPECIFICATION forming part of Letters Patent No. 326,093, dated September 15, 1885.

Application filed September 16, 1884. (Specimens.)

To all whom it may concern:

Be it known that I, ANDREW R. BENNETT, a citizen of the United States, and a resident of the city of Utica, in the county of Oneida and State of New York, have invented a new and useful Improvement in Asbestos or Amianthus Stove and Furnace Pipes; 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, and to the letters and figures marked thereon.

My invention relates to a new article of manufacture of stove and furnace pipe from asbestos or amianthus.

Figure 1 is a plan view of a sheet of asbestos or amianthus in shape to form a blank from which to make a section of my improved pipe. Fig. 2 is a perspective view of a pipe. Fig. 3 is a view of an elbow in the pipe.

Having described my invention by reference to the accompanying drawings, I will now proceed to describe it in reference to the letters marked thereon, in which similar letters refer to corresponding parts throughout the several views.

A represents a sheet of asbestos or amianthus. B represents a length of pipe. a represents a seam in the pipe. C represents an elbow in the pipe. a' represents a seam in the elbow.

Heretofore stove and furnace pipes have been manufactured from sheet metal. My invention consists in manufacturing stove and furnace pipes from asbestos or amianthus by forming the tubes from sheets of the same, or the same may be formed direct from the material. I however prefer to use sheets of the same. A sheet of asbestos or amianthus of the required size is taken and the edges thereof are properly lapped together and held in position by metallic paint, glue, rivets, or any other suitable substance, or by wetting the surfaces thereof. Pressure is then applied to the seam, so as to make the same solid and compact.

Elbows for the pipe, when required, are made

in the same way by cutting a sheet of asbestos or amianthus into the required form and size, and forming the sheet, when wet to almost a pulp, over a block or die into the required shape, applying pressure to make the same compact and solid, and forming the seams therein in the same manner as stated. The block or die, which is in sections, is then removed.

The length of pipes and elbows, when any therein, can be joined together in the ordinary way by placing the edge of one length or elbow in the adjoining length of the pipe; or, if desired, they can be made solid and compact in the same way as the seams.

It is obvious that any number of lengths of pipes and elbows can be made and the seams made in any desired location therein without interfering with the usefulness of my invention.

Stove and furnace pipe made of asbestos or amianthus are much cheaper, more durable in use, and easier to handle than the ordinary stove and furnace pipe made from sheet metal and now in use, and they are not destructible by heat or fire.

The advantages of this novel article will be apparent at a glance. The material is not liable to injury by heat or flame. A perfect joint or seam can be formed. It is a non-conductor, and therefore admirably adapted for use as a stove or for furnace-pipes, and it is lasting and cheap.

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

As a new article of manufacture, a pipe made of sheet asbestos in the manner and for the purpose described, being formed with a joint or seam solidified by pressure or in dies while in a substantially pulpy state.

Dated and signed at Utica, New York, this 15th day of September, 1884.

ANDREW R. BENNETT.

Witnesses:

O. J. CHILDS,

C. D. F. HOXIE.