

WILLIAM S. COTTRELL.

Zinc-Board for Stoves.

No. 127,310.

Patented May 28, 1872.

Fig. 1

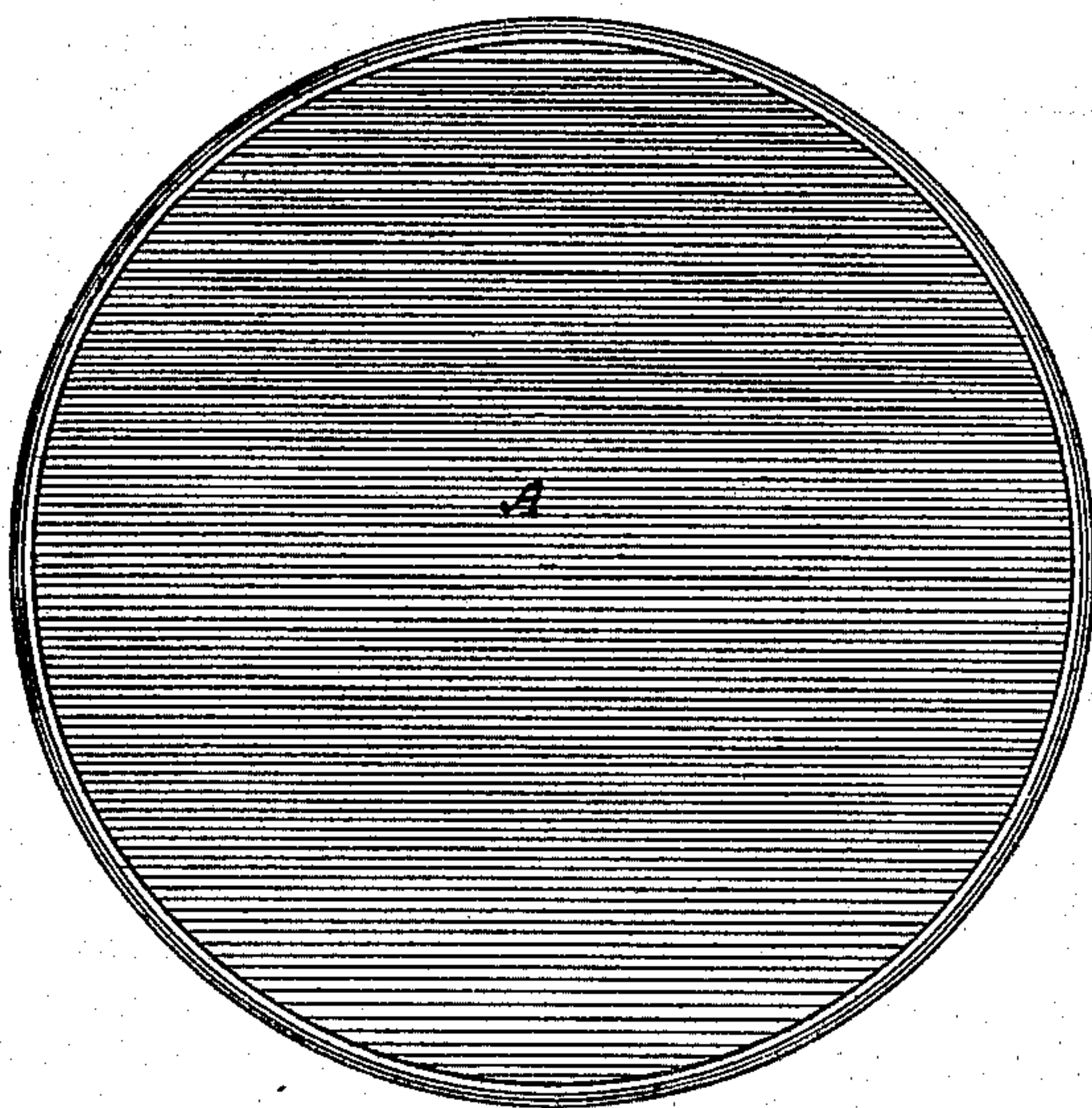


Fig. 2



Fig. 3



WITNESSES

J. H. Brown
F. F. Warner.

INVENTOR

Wm. S. Cottrell
By G. H. & Warner
his attys.

UNITED STATES PATENT OFFICE.

WILLIAM S. COTTRELL, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN ZINC-BOARDS FOR STOVES.

Specification forming part of Letters Patent No. 127,310, dated May 28, 1872.

SPECIFICATION.

To whom it may concern:

Be it known that I, WILLIAM S. COTTRELL, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Zinc-Boards, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 represents a top or plan view of my improved zinc-board; Fig. 2, a central vertical sectional view of the same; and Fig. 3, a like view, enlarged.

I am aware that sheets or plates of zinc, or other suitable metal, have heretofore been used, either alone or in combination with wood, for the purpose of protecting the flooring, carpets, and walls of buildings from the heat of stoves. Zinc, or other metal, when used alone, frequently becomes sufficiently heated to injure the parts in contact with it, and a moderate heat of the metal, when long used in the same place, has been found to injure carpets or other materials easily injured, such as oil-cloth. Wood has been used, in combination with metallic plates or sheets, for the purpose of avoiding these injurious results, the wood being interposed between the metal and the material sought to be protected. The objectionable features in the use of wood for this purpose are, that the wood shrinks and warps so as to disfigure the metal, unless either prepared wood or boards of a suitable kind or construction are used, or unless the board is made sufficiently thick not to warp to any considerable degree. The boards are usually made thick for the purpose mentioned, and so that wood of a common kind may be used without being specially prepared, or without a special construction of the boards; but thick boards, es-

pecially when placed beneath the stove, and projecting therefrom sufficiently to be serviceable for the purpose intended, are inconvenient, as a ridge is thereby formed on the floor about the stove, and this ridge is especially inconvenient about a cook-stove.

My invention has for its object the making a "zinc-board," so called, which will afford a sufficient protection from the heat of the stove, and which will neither warp nor shrink so as to disfigure the appearance of the board, nor be so thick as to be inconvenient, and which will also be neat in appearance; and, to that end, my invention consists in the use of "tar-board," paper, or pasteboard, in combination with zinc, or other suitable metallic plates or sheets, paper or tar-board being not only serviceable for the purposes mentioned, but also a better non-conductor of heat than wood.

A, in the drawing, represents a plate or sheet of zinc, or other suitable metal. B represents the "tar-board," paper, or pasteboard beneath the zinc, and attached thereto in any suitable manner. The zinc-board may be of any suitable size or form.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of plate or sheet zinc, or other suitable metal, with tar-board, paper, or pasteboard, substantially as and for the purposes specified.

2. As a new article of manufacture, a "zinc-board," made of sheet or plate zinc, and either tar-board, paper, or pasteboard, substantially as specified.

The foregoing specification signed by me this 19th day of December, 1871.

WILLIAM S. COTTRELL.

Witnesses:

N. C. GRIDLEY,
F. F. WARNER.