

W. M. CONGER.

Stove Supports.

No. 137,291.

Patented April 1, 1873.

Fig. 1.

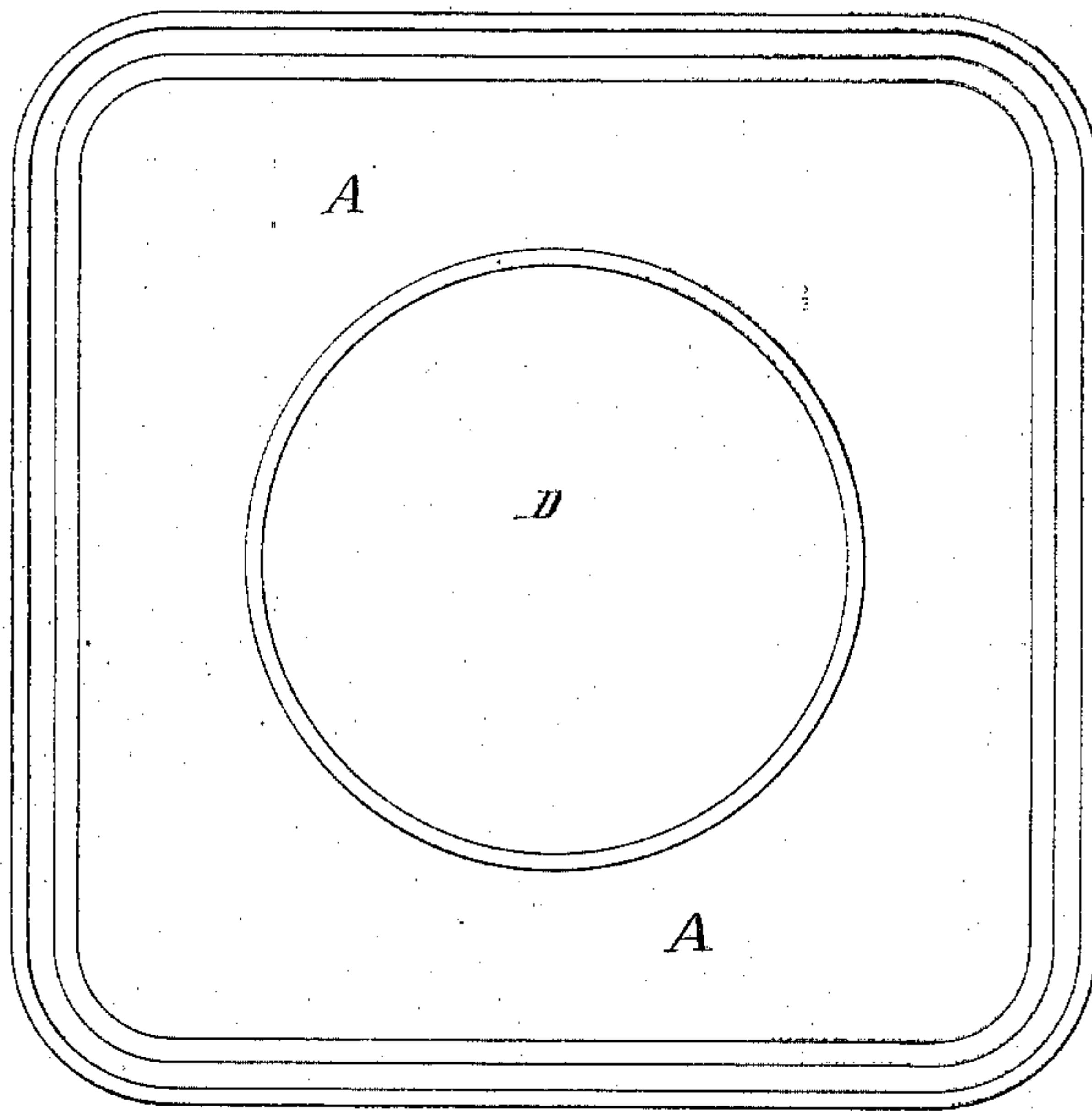


Fig. 2.

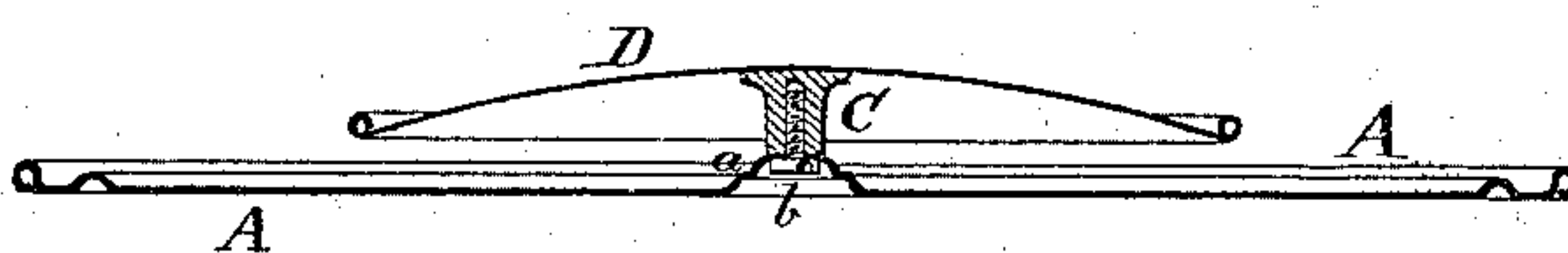
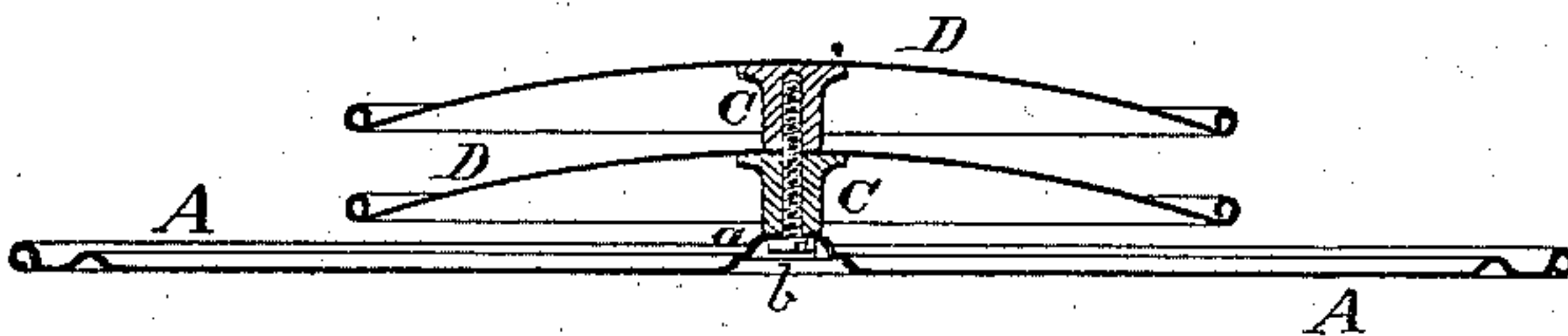


Fig. 3.



Witnesses;

Arnold Hormann.
Alfred Westbrook

Inventor;

Walter M. Conger

UNITED STATES PATENT OFFICE

WALTER M. CONGER, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN STOVE-SUPPORTS.

Specification forming part of Letters Patent No. **137,291**, dated April 1, 1873; application filed January 9, 1873.

A.

To all whom it may concern:

Be it known that I, WALTER M. CONGER, of Newark, Essex county, New Jersey, have invented certain Improvements relating to Stove-Supports, of which the following is a specification:

I make a main body of thin metal, properly surfaced, and provide one or more shields, of similar material, above it, with space for ventilation. The heat radiated downward from the stove upon the shield, or upper shield when two are employed, heats the air below, which is, by the currents always obtaining in the lower portion of an apartment, constantly exchanged so that the heat is never conducted downward to the main body in sufficient intensity to be destructive. I make the shield or shields capable of being readily connected and disconnected. This facilitates packing and transportation.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawing forms a part of this specification.

Figure 1 is a plan view. Fig. 2 is a central cross-section; and Fig. 3 is a corresponding section of a modification, showing two shields, one arranged above the other.

Similar letters of reference indicate corresponding parts in all the figures.

A is the main body, of sheet metal, with a small portion struck up by dies near the center, as indicated by *a*. The summit of this small dome *a* is punched to allow the body of the screw *b* to pass. This screw, introduced from below, is threaded into a nut, C, which is brazed on the under face of the concave shield D.

In many cases a single shield will be sufficient; but in case two or more are required the screw *b* must be correspondingly length-

ened, and the one or more shields below the uppermost should be made with a separate unthreaded hole directly through.

In my previous patents for stove-supports I have provided tight domes, of large area, inclosing air below without capacity for ventilation. While such will suffice for a great proportion of stoves it is found that some—especially some of the base-burning styles—radiate heat downward so intensely as to injure the carpets, and even to induce serious danger of fire when only thus protected.

My present construction, while providing two or more thicknesses of thin metal with ventilation between, makes a very efficient protector.

The provision for unshipping or disconnecting the shields is an obvious convenience in many ways. It not only allows the parts to be separated and separately packed in large numbers for shipping, but affords facilities of no insignificant importance in cleaning and embellishing.

I claim as my invention—

1. The within-described stove-support, having one or more shields formed separate from the main body, and supported by a central stem with space around the entire edge for ventilation between the parts, substantially as herein specified.

2. The dome *a*, screw *b*, and nut C, in combination with the body A and shield or shields D, the head of the screw being let up into the dome *a*, as herein specified.

In testimony whereof I have hereunto set my hand this 30th day of December, 1872, in the presence of two subscribing witnesses.

WALTER M. CONGER.

Witnesses:

ARNOLD HÖRMANN,
ALFD. WESTBROOK.