

H. SMITH.
Stove-Pipe Thimbles.

No. 140,553.

Patented July 1, 1873.

Fig. 1.

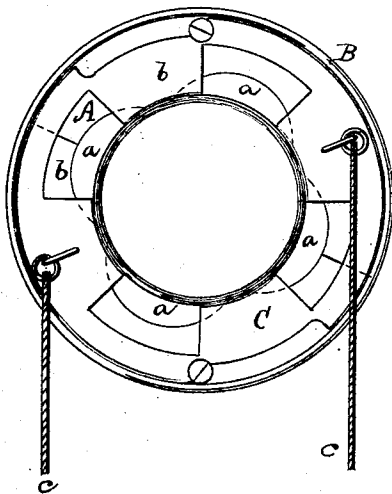


Fig. 2.

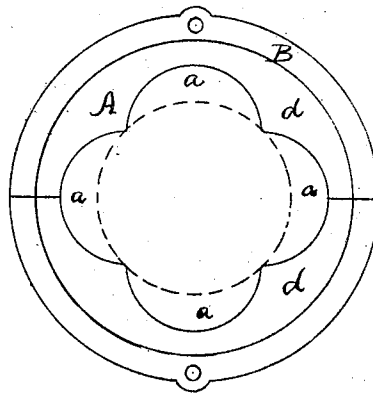


Fig. 3.

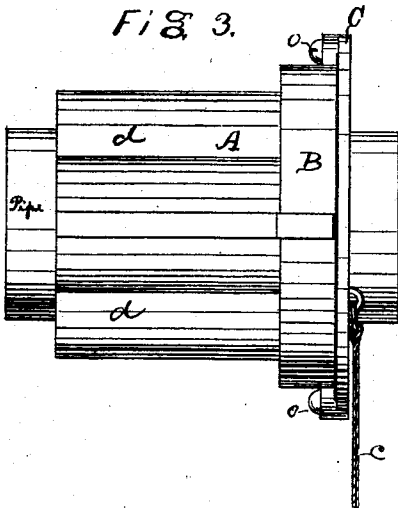
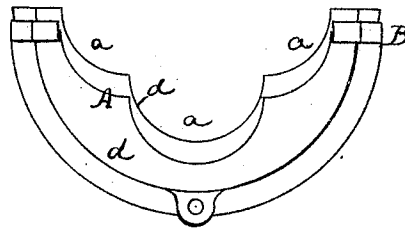


Fig. 4.



Witnesses.
Charles E. Nott
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UNITED STATES PATENT OFFICE.

HENRY SMITH, OF SOUTHTON, CONNECTICUT, ASSIGNOR TO HIMSELF
AND PECK, STOW & WILCOX COMPANY, OF SAME PLACE.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **140,553**, dated July 1, 1873; application filed
February 14, 1873.

To all whom it may concern:

Be it known that I, HENRY SMITH, of South-
ington, in the county of Hartford and State
of Connecticut, have invented certain new
and useful Improvements in Stove-Pipe Thim-
bles, of which the following is a specification:

My invention consists in the employment of
a corrugated stove-pipe thimble, whereby por-
tions of the thimble, throughout its length,
bear against the pipe and support it, while
other portions of the same wall of the thimble
are remote from the pipe, so that air-passages
are formed outside of the pipe and inside of
the thimble, as hereinafter described. Also,
in the combination of the foregoing with a
register, and in making the body of the thim-
ble in two longitudinal halves, so that one will
nest into the other for packing, as hereafter
described.

In the accompanying drawing, Figure 1 is
a front elevation of a stove-pipe thimble which
embodies my invention. Fig. 2 is a front ele-
vation of a detached portion thereof. Fig. 3
is a side elevation of said thimble, and Fig. 4
is a rear elevation, showing the end of the
two halves as nested together for packing.

A designates the thimble proper, which is
formed of a single thickness, preferably of
cast metal, and is provided with corrugations
a a a a, either sharp or round cornered, or
both, as clearly shown in Fig. 2, and indicated
by broken lines in Fig. 1, the broken lines in
Fig. 2 indicating the position of the stove-
pipe. The object of the corrugations *a a a a*
is to form air-passages upon the inside of the
thimble A and outside of the stove-pipe, when
the inward-projecting portions of the corruga-
tions will support and hold the pipe properly
throughout the whole length of the thimble,
and thereby only a single wall in the thimble
is necessary in order to have it perform both
of the aforesaid offices. At the front end of

the thimble A I form an enlargement or head,
B. In front of the head B I secure a plate, C,
provided with a register, *b*, which may be op-
erated by aid of the cords or chains *c c*. Thus
the passage or draft of air through the corru-
gations of the thimble A may be regulated by
means of the register.

I construct the thimble A in two longitudi-
nal halves, *d d*, with the edges so formed as to
shut into each other, as shown in Fig. 2. Thus
the two halves, when taken apart, may be
nested together, as shown in Fig. 4, so that
they may be packed into less space for trans-
portation than they could be if formed in one
piece.

In order to put the parts together for use it
is only necessary to shut the edges of the two
halves *d d* together and secure said halves to
the register-plate C by screws *o o*, Fig. 3, or
by means of suitable lugs formed upon the
parts.

It is of course evident that the first part of
my invention may be used without the part
last above described.

I am aware that registers and air-passages
have been before used in connection with
stove-pipe thimbles.

I claim as my invention—

1. The thimble A, corrugated as described,
whereby a single wall performs a double office,
substantially as specified.
2. And in combination with the subject-mat-
ter of claim 1, the register C *b*, substantially
as, and for the purpose described.
3. The longitudinal halves *d d* of the thim-
ble A, when arranged so as to be detached
and nested together for packing, substantial-
ly as described.

HENRY SMITH.

Witnesses:

R. A. NEAL,
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