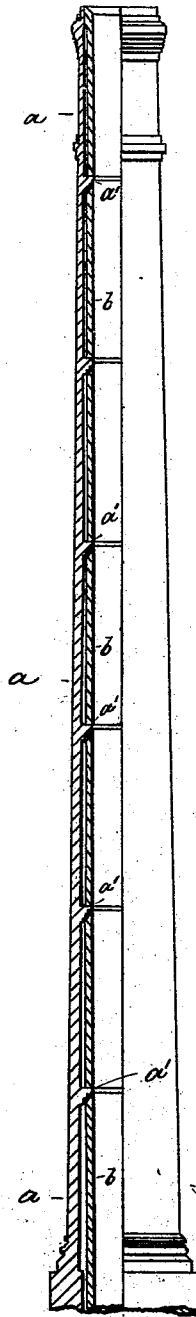


(No Model.)

A. CUSTODIS.
CHIMNEY.

No. 512,504.

Patented Jan. 9, 1894.



Witnesses:

Wm. Schuly
J. Jonghman.

Inventor:
Alphonse Custodis
by his attorneys
Doeder & Briesen

UNITED STATES PATENT OFFICE.

ALPHONS CUSTODIS, OF DUSSELDORF, GERMANY.

CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 512,504, dated January 9, 1894.

Application filed August 24, 1893. Serial No. 483,925. (No model.)

To all whom it may concern:

Be it known that I, ALPHONS CUSTODIS, a subject of the German Emperor, residing at Dusseldorf, Germany, have invented certain
5 new and useful Improvements in Chimneys, with description as follows.

This invention relates to an improvement in chimneys and more particularly to the construction of the outer and inner walls, whereby
10 the outer wall is provided with a number of steps to support a sectional inner wall.

Heretofore the inner wall of a chimney was made continuous and upon expansion of any one of its parts, the entire wall would frequently be thrown out of line and had to be
15 replaced. To remedy this defect is the object of my invention.

The accompanying drawing represents an elevation partly in section of my improved
20 chimney.

The letter *a*, represents the outer wall of the

chimney, which is provided at suitable intervals, with the inwardly projecting steps *a'*. The inner wall is formed of a series of separate sections *b*, which are built up and supported upon the several steps *a'*, as shown. In
25 this way the inner wall is subdivided into a number of independent sections any one of which can be repaired or replaced without affecting the other sections.

What I claim is—

A chimney composed of an outer wall having a number of inwardly projecting steps and of a sectional inner wall, which is supported upon said steps, substantially as specified.
35

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ALPHONS CUSTODIS.

Witnesses:

HANS FRIEDRICH,
HARRY SELF.