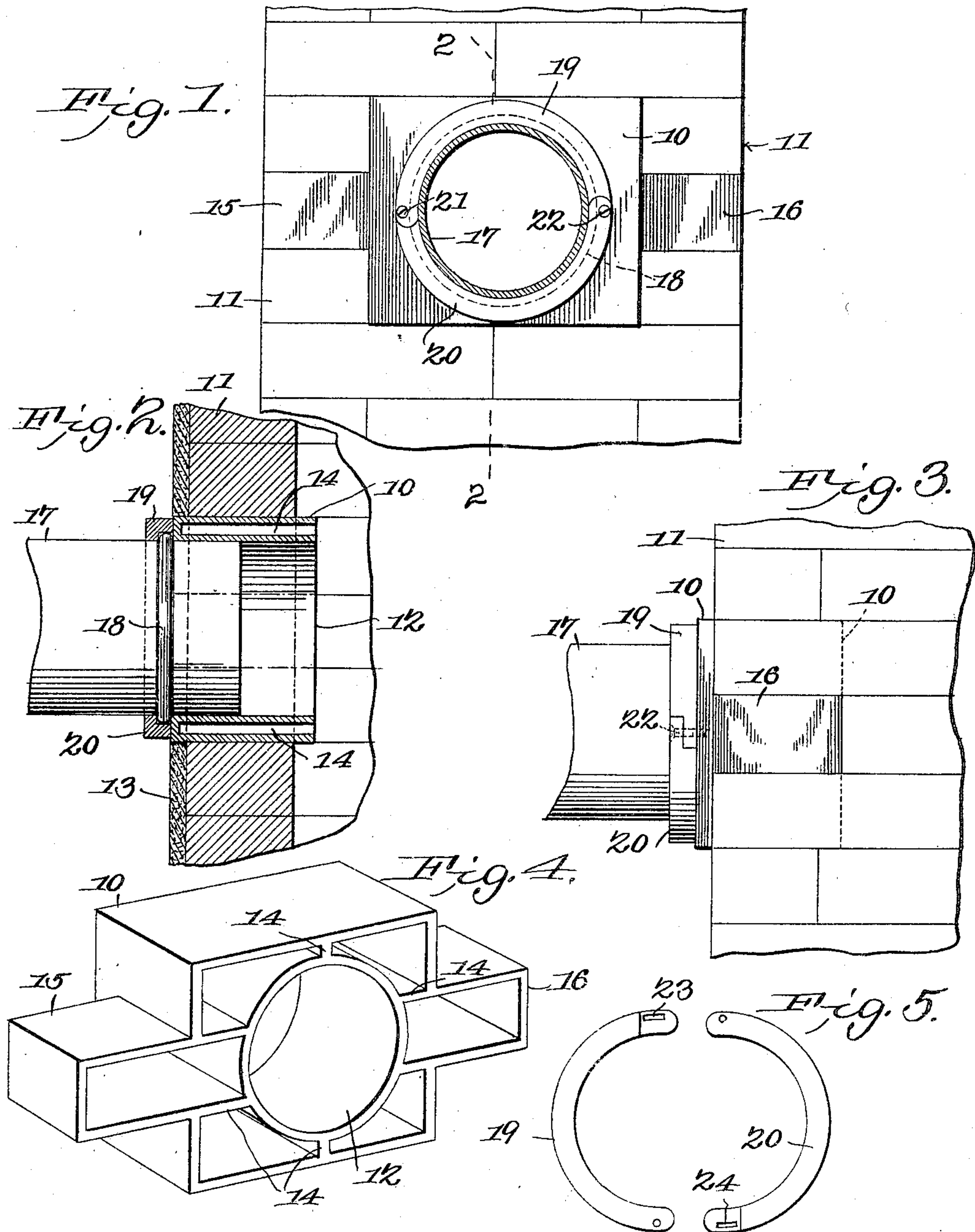


No. 821,933.

PATENTED MAY 29, 1906.

C. C. & N. B. ELLIOTT.
CHIMNEY FLUE THIMBLE.
APPLICATION FILED JUNE 30, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

CYPHER C. ELLIOTT AND NOYES B. ELLIOTT, OF GILMAN, IOWA.

CHIMNEY-FLUE THIMBLE.

No. 821,933.

Specification of Letters Patent.

Patented May 29, 1906.

Application filed June 30, 1905. Serial No. 267,860.

To all whom it may concern:

Be it known that we, CYPHER C. ELLIOTT and NOYES B. ELLIOTT, citizens of the United States, residing at Gilman, in the county of Marshall and State of Iowa, have invented a new and useful Chimney-Flue Thimble, of which the following is a specification.

This invention relates to the thimbles for supporting stovepipes in chimneys, and has for its object to improve the construction, increase the efficiency, and decrease the labor and expense of construction of devices of this character and manner of installing the same in the chimney.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of the advantages,

In the drawings, Figure 1 is a front view of a portion of a chimney with the improved device disposed therein and with the stovepipe in transverse section. Fig. 2 is a section on the line 2 2 of Fig. 1 with the vertical stay-webs connecting the casing and pipe-flue section in side elevation. Fig. 3 is a side elevation of the parts shown in Fig. 1. Fig. 4 is a perspective view of the improved thimble structure from the rear. Fig. 5 represents the pipe-clamping members detached.

In placing the ordinary circular thimbles for the stovepipes in chimneys it is necessary to cut the bricks adjacent to the thimble and fit them around the same and then cement them in position, and the labor and annoyance incident to this operation is considerable. To avoid this labor and annoyance, as well as to increase the strength and durability of the thimble, the improved construction herein shown and described is provided, consisting of a hollow casing 10, preferably of

cast-iron, corresponding in shape with a plurality of the bricks, so that it can be built in with the chimney 11 without cutting any of the bricks, or, in other words, employed in the wall of the chimney in place of a certain number of the bricks.

The flue for the stovepipe (represented at 12) is formed integral with the casing and extends centrally therethrough with the outer end of the casing closed except for the entrance to the pipe-flue section.

The casing portion is long enough to extend inward from the face of the chimney a distance equal to the thickness of the plaster, (represented at 13,) so that the plaster-line will coincide with the face of the casing. The pipe-flue section 11 is supported from the casing by radial ribs 14, and the casing is also provided with lateral extensions 15 16, equal in size to one or more bricks and adapted to occupy the spaces of two of the bricks at the sides, as indicated. The extensions 15 16 will preferably be long enough to extend through the side walls of the chimney, as shown by Figs. 1 and 3.

A portion of the stovepipe is represented at 17 with the usual bead 18 formed therein and bearing against the outer face of the casing and limiting the inward movement, and to prevent the withdrawal of the pipe a band formed in two parts 19 20 is employed for encircling the pipe outside the bead 18, the ends of the band members overlapping and secured together by clamp-screws 21 22. The clamp-screws also extend into the casing 10, as indicated, and thus secure the band to the casing.

The overlapping ends of the members 19 20 are slotted, as at 23 24, to provide means for adjusting the same to fit different sizes of pipes. By this simple means the pipe is firmly locked in position in the casing and can neither be forced farther into the flue nor withdrawn therefrom, as will be obvious.

The device is simple in construction, strong and durable, and materially increases the strength of the chimney.

Having thus described the invention, what is claimed is—

A chimney-flue thimble comprising a hollow casing conforming to a plurality of the bricks of the chimney and adapted to replace the same and an integral flue-section extend-

ing therethrough for receiving the stovepipe,
and lateral extensions conforming to the
bricks at the side of the casing and adapted
to replace the same, said casing extending
5 flush with the outer face of the plaster and
said extensions extending flush with the wall
of the chimney.

In testimony that we claim the foregoing

as our own we have hereto affixed our signatures in the presence of two witnesses.

CYPHER C. ELLIOTT.
NOYES B. ELLIOTT.

Witnesses:

FRED C. GRAVES,
C. S. DUNKLE.