

No. 692,304.

Patented Feb. 4, 1902.

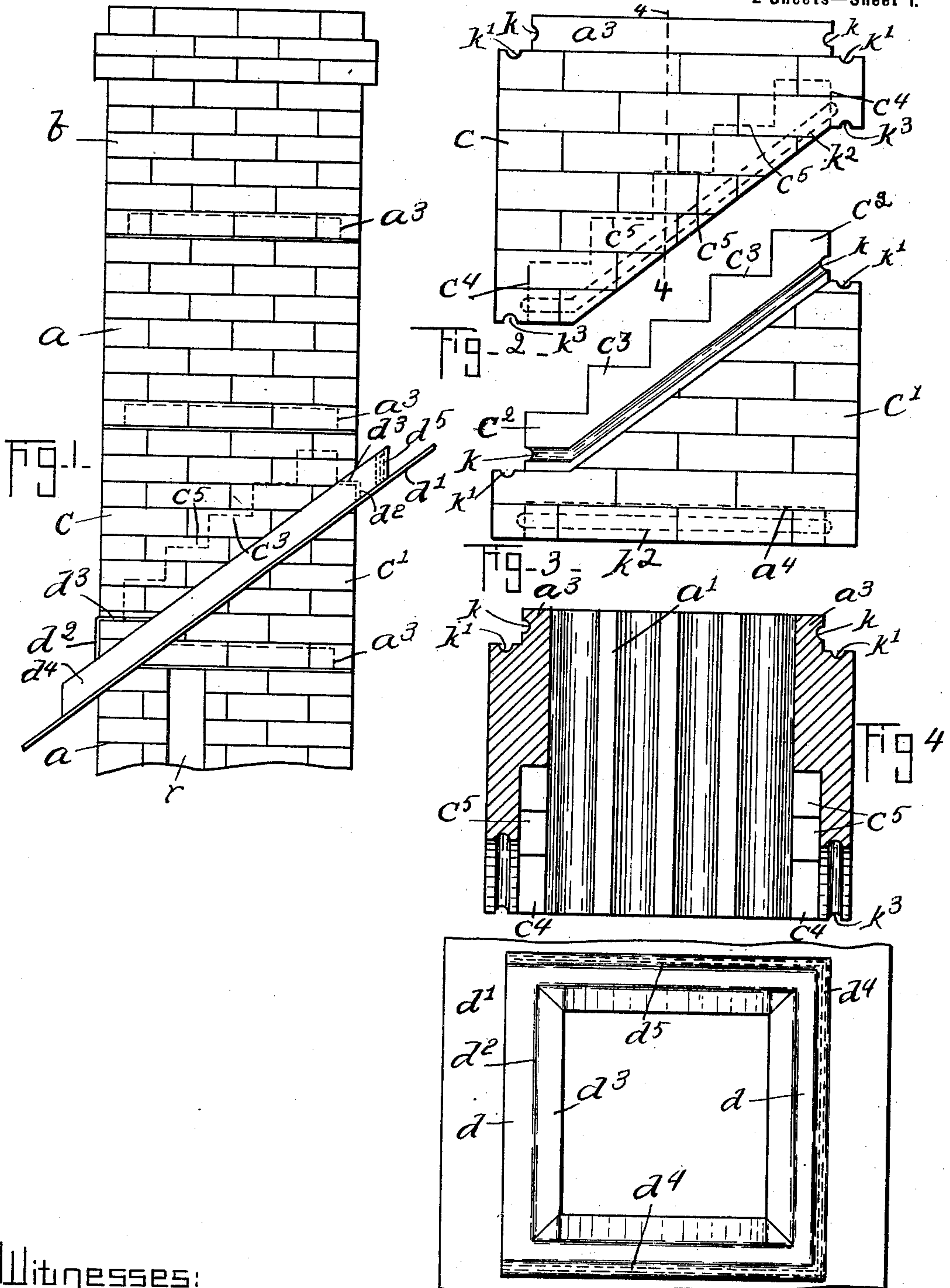
J. B. KENISON, M. F. BURK & J. A. PERKINS.

CHIMNEY.

(Application filed Jan. 28, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:
H. B. Davis
J. W. Dierout.

Fig. 5. INVENTORS
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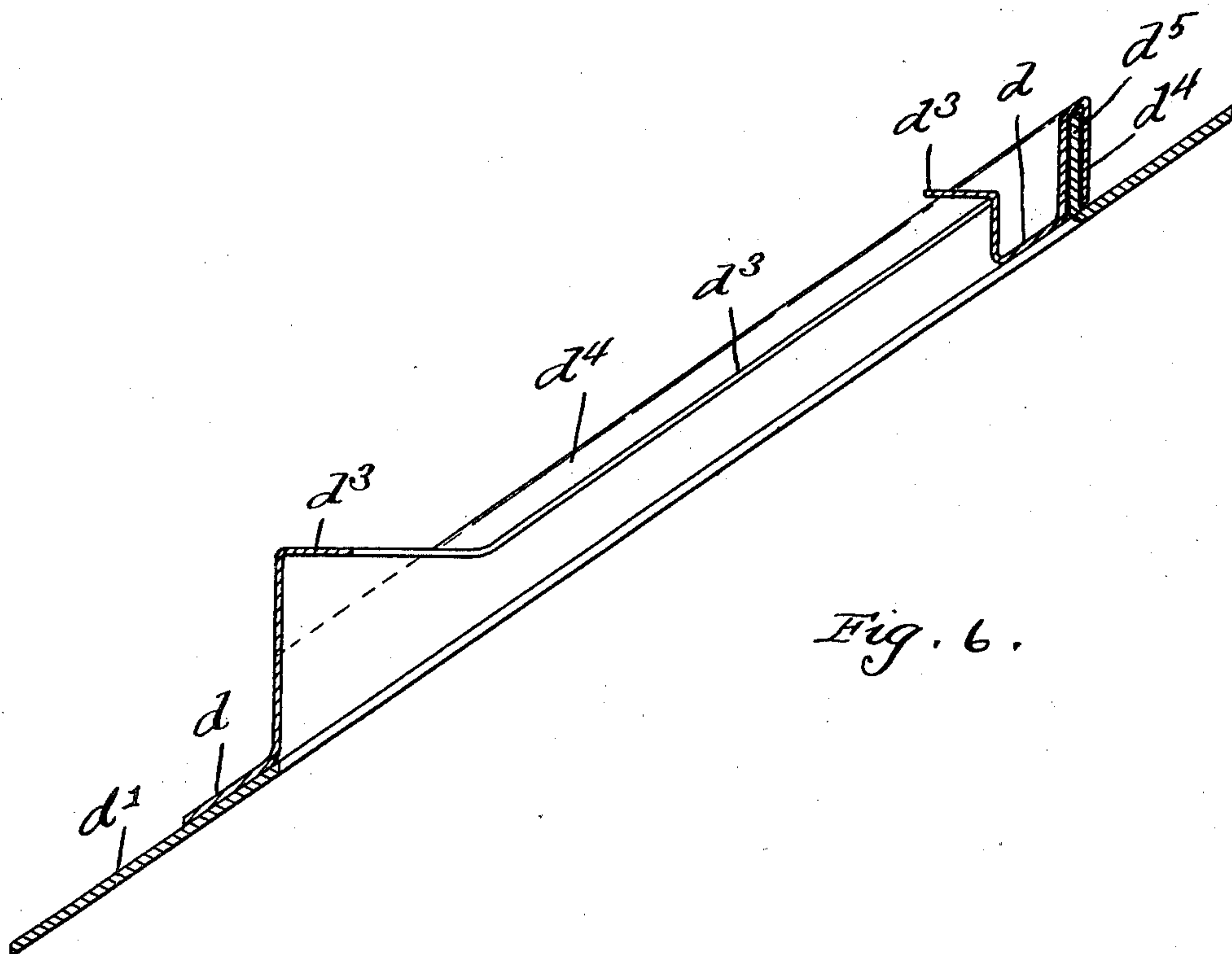


Fig. 6.

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UNITED STATES PATENT OFFICE.

JOHN B. KENISON, MICHAEL F. BURK, AND JOHN A. PERKINS, OF LYNN,
MASSACHUSETTS.

CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 692,304, dated February 4, 1902.

Application filed January 28, 1901. Serial No. 45,105. (No model.)

To all whom it may concern:

Be it known that we, JOHN B. KENISON, MICHAEL F. BURK, and JOHN A. PERKINS, of Lynn, county of Essex, and State of Massachusetts, have invented an Improvement in Chimneys, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to chimneys, and especially to the portion or section of the chimney which passes through the roof of the building, and has for its object to improve and simplify the construction of the roof-section and of the flashing.

In accordance with this invention the section of the chimney which passes through the roof of the building will be made in two parts, separated in a diagonal direction to correspond, more or less, to the pitch of the roof, and interlocking means are provided for the two parts of said section to insure the parts thereof being held in a fixed relative position, and the flashing will be secured in place by being locked between the upper and lower parts of said divided section. The flashing will be composed of two parts telescopically connected together, whereby provision is made for movement of one part relatively to the other, and one of said parts is secured to the chimney and the other to the roof of the building.

Figure 1 shows in side elevation a portion of a chimney embodying this invention. Fig. 2 is a side elevation of the upper part of said divided section. Fig. 3 is a side elevation of the lower part of the divided section. Fig. 4 is a vertical section of the upper part of said divided section, taken on the dotted line 4 4, Fig. 2. Fig. 5 is a plan view of the flashing. Fig. 6 is an enlarged vertical section of the flashing.

a a and *b* represent the chimney above and below the roof-section, and, as herein shown, said chimney is composed of sections, yet, so far as our invention relates, the portions *a a* and *b* above and below the roof-section may be constructed of bricks in any usual or suitable manner. The section of the chimney which passes through the roof

of the building will be made of two parts *c c'*, which are adapted to be interlocked together, and the part *c* will have a projection, as *a³*, and the part *c'* will have a recess, as *a⁴*, and said divided section will be formed with a flue *a'* or with a number of flues, as desired, to cooperate with the flues of the chimney above and below said divided section. The section *c c'* is divided on a diagonal line, substantially conforming to the pitch of the roof of the building, and the lower part *c'* has a centrally-disposed projection *c²* around the flue *a'* on that end adjoining the part *c*, and two opposite sides of said projection, as *c³ c³*, are stepped, and the upper part *c* has a centrally-disposed recess *c⁴* around the flue *a'* on that end adjoining the part *c'*, the opposite sides of which, as *c⁵ c⁵*, are stepped to correspond to and receive the stepped sides *c³ c³* of the projection *c²* of the part *c'*, so that said two parts *c* and *c'* may be fitted and secured together and interlocked in position, and consequently held in fixed position relative to each other. The two parts *c c'* of the divided section will also be fitted and secured together in a like manner to the sections *a*.

The flashing is composed, essentially, of two parts, one of which, as *d*, is connected with the chimney and the other, as *d'*, is connected with the roof of the building, and said parts *d d'* are connected together by a telescopic joint, so that either part may move up or down relatively to the other. The part *d* is made to embrace the chimney, and it has an upwardly-extended portion *d²* embracing the chimney, and an inwardly-turned portion *d³*, which occupies a position between the upper and lower parts of said divided section, being held in place when thus interposed between said parts, and said part *d* also has its outer edge on three sides turned up and bent to present an inverted-U-shaped rib *d⁴*. The part *d'* of the flashing has a base portion to be attached to or connected with the roof of the building, and an upwardly-extended edge which enters the inverted-U-shaped rib *d⁴*. The rib *d⁴* and upward extension *d⁵* provide a telescopic joint for the two parts of the flashing, whereby they may move one with relation to the other and also permit of extension of

the flashing between the chimney and building to a certain extent.

It will thus be seen that the divided section *c c'* may be used as a component part of an ordinary brick chimney and when so used will, with the flashing *d d'*, greatly cheapen and simplify the construction of a chimney.

We claim—

1. A chimney having as a component part of it a divided section *c, c'*, the upper and lower parts of which are separated on a diagonal line, one of said parts having the centrally-disposed projection *c³* formed with stepped sides *c³* and the other part having the centrally-disposed recess *c⁴* formed with stepped sides *c⁵*, substantially as described.

2. A chimney having as a component part of it a divided section *c, c'*, the upper and lower parts of which are separated on a diagonal line, and a flashing interposed between

said parts *c, c'*, and thereby held in place, substantially as described.

3. A chimney having a flashing composed of two parts, one of which is connected to the roof and has an upturned lip, three sides of the chimney, as described, and the other of which is connected to the chimney and has an upwardly-extended portion constructed and arranged to receive the upturned lip on the aforesaid part, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN B. KENISON.
MICHAEL F. BURK.
JOHN A. PERKINS.

Witnesses:

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