

No. 684,528.

Patented Oct. 15, 1901.

B. SCHROER.  
CHIMNEY TOP.

(Application filed Feb. 14, 1901.)

(No Model.)

Fig. 1.

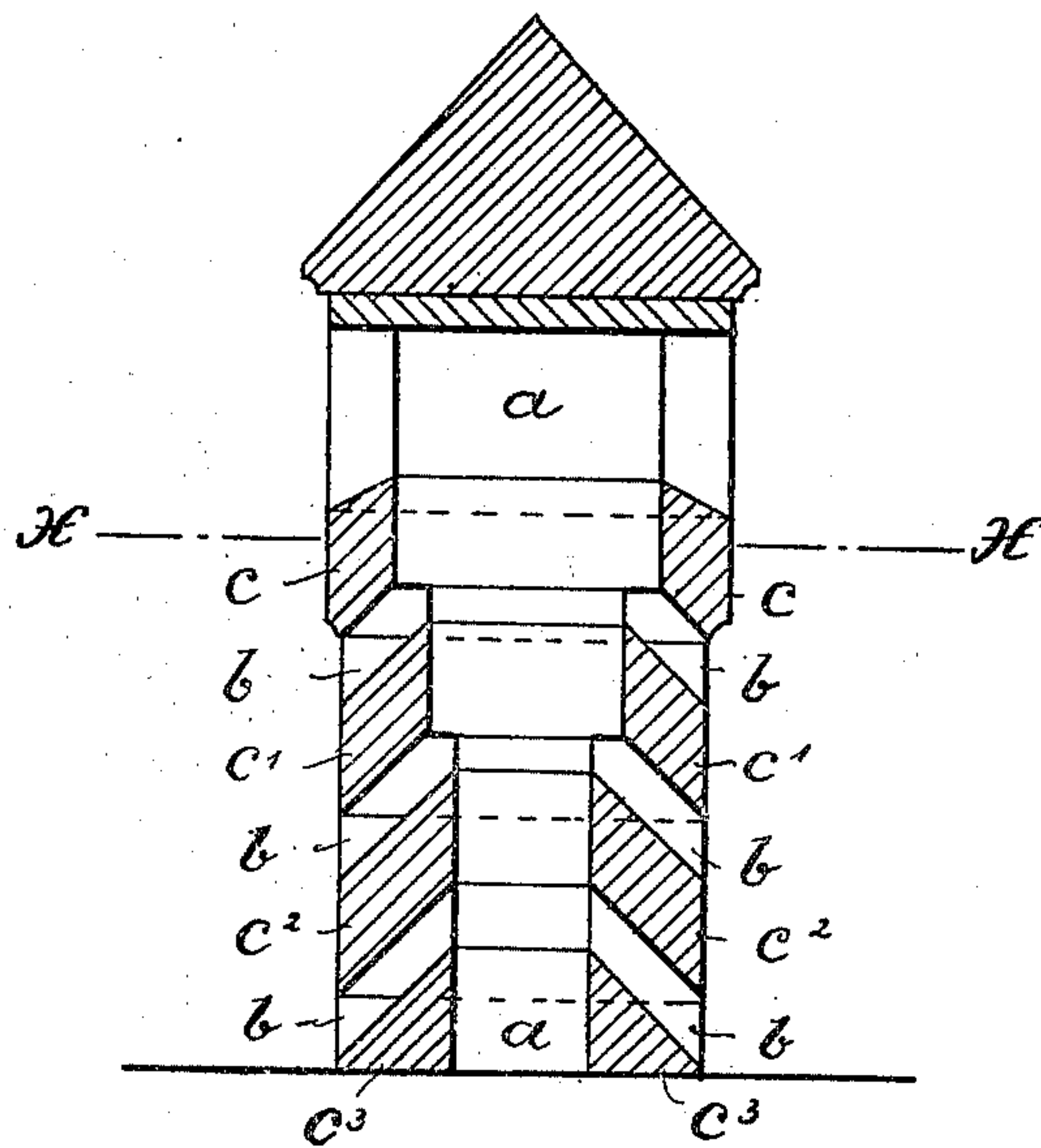
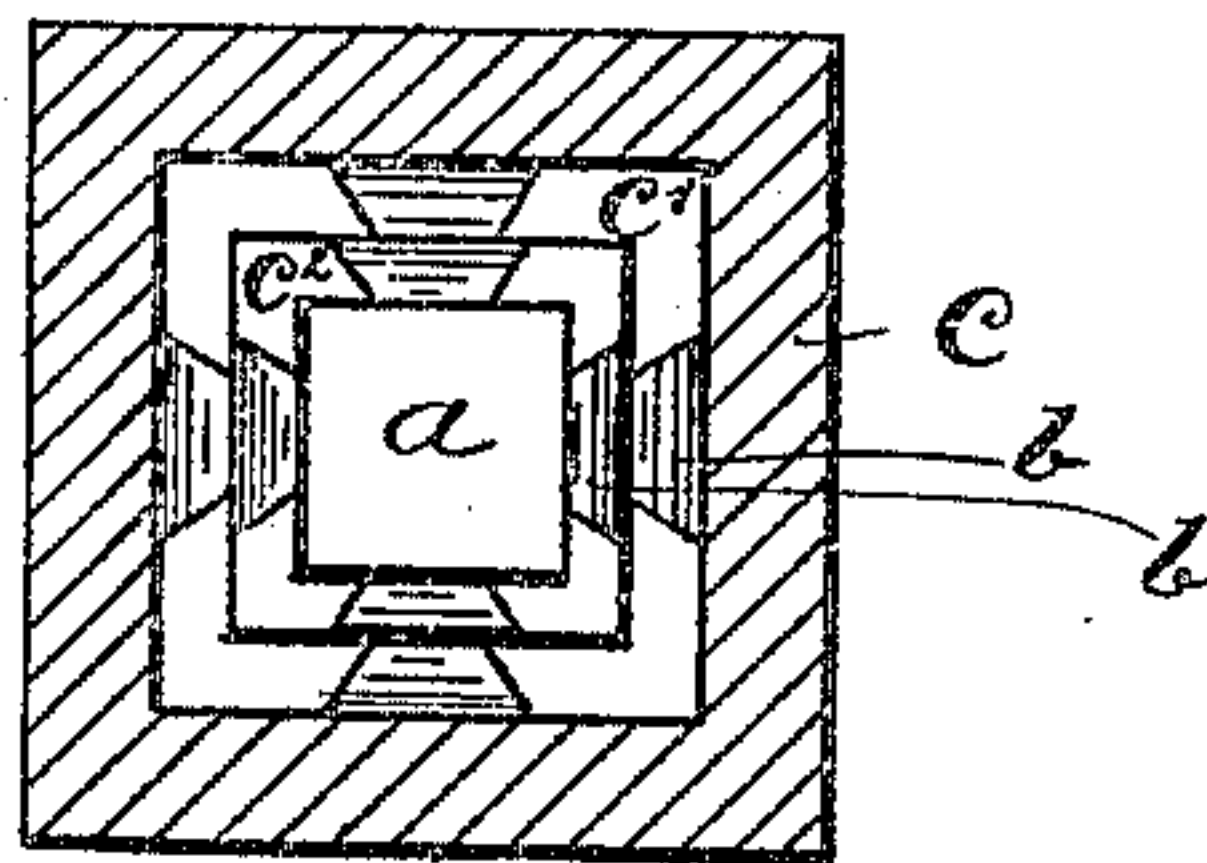


Fig. 2.



Witnesses:  
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Inventor:

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# UNITED STATES PATENT OFFICE.

BERNHARD SCHROER, OF DORTMUND, GERMANY.

## CHIMNEY-TOP.

SPECIFICATION forming part of Letters Patent No. 684,528, dated October 15, 1901.

Application filed February 14, 1901. Serial No. 47,220. (No model.)

*To all whom it may concern:*

Be it known that I, BERNHARD SCHROER, a citizen of the German Empire, residing at Dortmund, in the Province of Westphalia, Germany, have invented a certain new and useful Improvement in Chimney-Tops, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The subject of the present invention is a chimney-top by means of which the wind entering the shafts from above is caught up and conducted out and the draft of the chimney improved.

15 The new invention is illustrated in the accompanying drawings, in which—

Figure 1 is a vertical section of my improved chimney-top; and Fig. 2, a cross-section of the same, taken on the line X X of 20 Fig. 1.

*a* is the chimney-top, in the walls of which channels *b* are provided, conducting from the exterior into the shaft. The chimney is so constructed that the cross-section diminishes 25 by steps from above, the lower lip of each channel projecting somewhat beyond the lower lip of the adjacent upper one—that is to say, the portions of the wall *c c' c²* separating two adjacent channels *b* form a series 30 of steps. By means of this gradual diminution of the cross-section of the chimney-top the wind entering the shaft from above will be caught up by the projecting lower lips of

the various channels *b* and conducted outward, so that the air rising in the shaft cannot be driven back and the draft so destroyed. 35 The wind entering from below into the channels insures a good draft. In the drawings three portions of the wall *c c' c²* are shown arranged increasing stepwise in section, the 40 fourth portion *c³* being drawn of the same size as the portion *c²*. It is obvious, however, that the chimney-top may be constructed with another member of such steps than that shown without the essential feature of the 45 invention being departed from.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A chimney-top the outside of which is plane 50 presenting no external steps, and provided with lateral channels leading from the outside of the walls into the shaft, arranged in such manner that the cross-section of the shaft diminishes stepwise downward, where- 55 by internal projecting lips are formed for the purpose of obstructing and laterally deviating the downward current of air, substantially as described.

In testimony whereof I affix my signature 60 in presence of two witnesses.

BERNHARD SCHROER.

Witnesses:

OTTO KÖNIG,  
EMIL BLOMBERG.