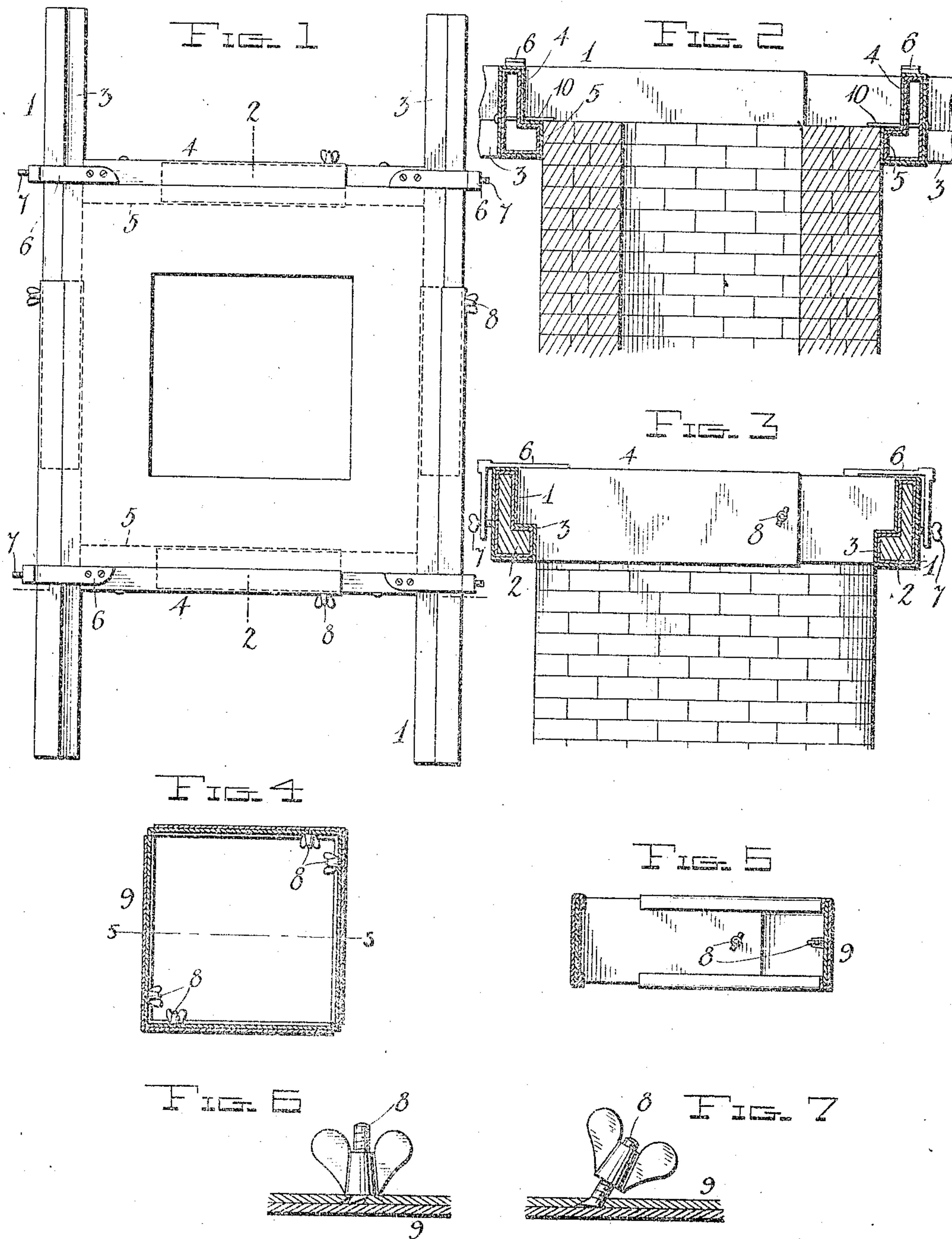


No. 820,014.

PATENTED MAY 8, 1906.

O. M. RIES.
MOLD.

APPLICATION FILED JAN. 22, 1906



Witnesses
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OSCAR M. RIES, OF TOLEDO, OHIO.

MOLD.

No. 820,014.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed January 22, 1906. Serial No. 297,312.

To all whom it may concern:

Be it known that I, OSCAR M. RIES, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Molds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in molds for forming the tops or caps of chimneys.

The object of the invention is to provide a mold which may be quickly and easily adjusted to fit various sizes of chimneys, thus providing means whereby a capstone may be molded directly onto the chimney.

A further object is to provide a device of this character which will be simple, strong, and durable in construction, efficient in operation, and well adapted to the purpose for which it is designed.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan view of the mold, showing a stone within the same. Fig. 2 is a vertical sectional view of the mold on the line 2 2 of Fig. 1, showing the manner of applying the same to a chimney. Fig. 3 is a similar view of one of the end pieces and the ends of the side pieces, showing the construction of the end pieces and the manner of connecting the same with the side pieces. Fig. 4 is a horizontal sectional view of one of the adjustable cores. Fig. 5 is a vertical sectional view on the line 5 5 of Fig. 4. Fig. 6 is a detail sectional view of a portion of the mold, showing the arrangement of the set-screw for holding the mold parts in their adjusted position and showing the screw in locked position; and Fig. 7 is a similar view showing the screw in released position.

Referring more particularly to the drawings, 1 denotes the side pieces of the mold, which are preferably formed of hollow metal having a wooden or other suitable filling 2. The side pieces are preferably formed on their lower inner side with a longitudinally-disposed offset portion 3. The end pieces of the mold are constructed of hollow metallic tubes 4 and are formed in two sections which

are adapted to telescope into each other, thus permitting said ends to be lengthened or shortened. The ends are also provided on their lower inner side with longitudinally-disposed offset portions 5. On each end of the end pieces 4 is secured means whereby the same may be attached to the side pieces. Said attaching means is here shown and preferably consists of angle-irons 6, which are adapted to hook over the side pieces, and in the lower ends of said angle-irons is arranged a clamping-screw 7, by means of which said ends are rigidly clamped or connected to the side pieces. In order to hold the telescopic sections of the end pieces in their adjusted positions, a locking device is provided. Said device may be of any suitable construction, but is here shown in the form of a set-screw 8, having a wedge-shaped offset-engaging head adapted to be engaged with the inner sides of the adjustable sections when the nut on said screw is screwed down, as clearly shown in Figs. 6 and 7 of the drawings.

The mold is provided with cores 9, which are adapted to be arranged within the center of the side and end pieces to form one or more openings in the capstone corresponding to the size of the chimney-flues. The cores 9 are preferably constructed of adjustable telescoping sections, as shown in Figs. 4 and 5, to permit the size of the same to be varied.

In applying the mold to a chimney the end pieces are arranged and secured to the side pieces and adjusted to form a frame which will snugly fit upon the upper end of the chimney to be capped, and when so arranging the mold-frame on the chimney the offset lower inner edges of the same will be engaged with the outer side wall of the chimney adjacent to and lying flush with the upper edge thereof, as clearly shown in Fig. 2 of the drawings. If desired, nails 10 or other devices may be inserted through the sides of the mold and into engagement with the top of the chimney, thus more securely supporting the mold-frame on the chimney. After the parts have been thus arranged the core is placed over the flue of the chimney, and cement or other plastic material forming the block will be placed in the mold and firmly tamped, thereby forming a solid capstone, which after the same has hardened and after the mold has been removed will afford an inexpensive and durable finish to the upper ends of the chimneys to take the place of the

natural expensive capstones which are sometimes used.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A mold comprising hollow metallic side pieces having formed on their inner lower sides an offset portion and provided with a filling, hollow metal end pieces formed in two sections adapted to telescope into each other to adjust the length of the same, screw-clamps secured to the ends of said end pieces whereby the same may be adjustably con-

nected to the side pieces of the mold, and a core-piece arranged within the mold, substantially as described. 25

2. A mold comprising hollow metallic side pieces provided with a filling and having formed on their lower inner sides an offset portion, hollow metallic end pieces having similar offset portions and formed in two sections adapted to telescope into each other to adjust their length, means to hold said sections in their adjusted positions, screw-clamps secured to the outer ends of said sections whereby the same may be adjustably connected to said side pieces, a core-block adapted to be arranged within said mold, and means whereby the size of said core-block may be varied, substantially as described. 30 35 40

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

OSCAR M. RIES.

Witnesses:

BERYL L. BOYER,
JAMES L. FARLEY.