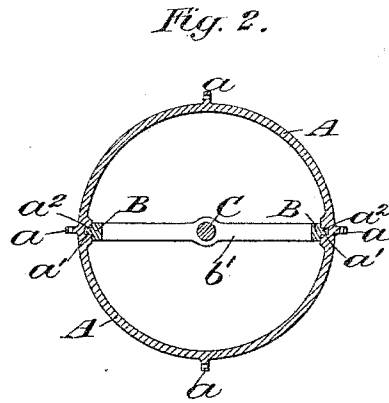
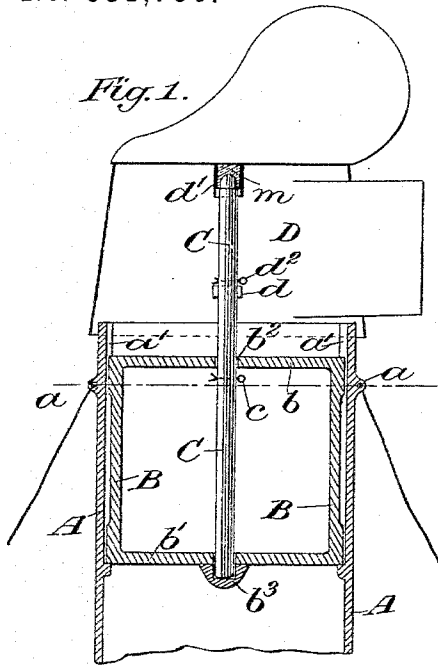


(No Model.)

A. SCHMALL.
CHIMNEY TOP AND COWL.

No. 531,750.

Patented Jan. 1, 1895.



Witnesses:-
George Barry,
A. J. Luard.

Inventor:
Albert Schmall
by attorneys
Brown & Duval

UNITED STATES PATENT OFFICE.

ALBERT SCHMALL, OF NEW YORK, N. Y.

CHIMNEY TOP AND COWL.

SPECIFICATION forming part of Letters Patent No. 531,750, dated January 1, 1895.

Application filed March 3, 1894. Serial No. 502,174. (No model.)

To all whom it may concern:

Be it known that I, ALBERT SCHMALL, a resident of New York, in the county and State of New York, have invented a new and useful Improvement in Chimney Tops and COWLS, of which the following is a specification.

My invention relates to an improvement in chimney tops and cowl in which provision is made for securing the support for a rotary cowl in the top of a pipe or chimney in such a manner that it may be removed and replaced at pleasure without interfering with the integrity of the pipe or chimney and without requiring the removal of any portion of the pipe or chimney.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents a chimney top and rotary cowl in position therein, the view being taken in vertical section, and Fig. 2 is a transverse section through the chimney top and removable cowl support.

A represents the chimney top or pipe, which may be of terra cotta or other earthen material, or it may be of galvanized iron or other metal. The pipe is provided with lugs *a* on its exterior for the attachment thereto of guy wires for holding the pipe in position. On its interior it is provided with grooves *a'*, arranged diametrically opposite and adapted to receive therein the tongues *a²* on the outer edges of a sliding frame B. The sliding frame B consists of a top cross piece *b* and bottom cross piece *b'* and two sides connecting the ends of the top and bottom cross pieces. The top cross piece is provided with an opening *b²* centrally therein for the reception of the cowl spindle C and the bottom cross piece *B'* is provided with a socket piece *b³* for the reception of the lower end of the spindle C.

The rotary cowl, which may be of any well known or approved form, is denoted by D and is provided with an interior cross piece *d* and with a socket piece *d'* at its upper end for the reception of the spindle C.

The cowl may be secured to the spindle, af-

ter being placed thereon, by means of a pin *d²* inserted through the spindle above the cross piece *d* and, if found desirable, the spindle may be locked in the frame B by inserting a pin *c* through the spindle beneath the top cross piece *b*.

The parts may be adjusted by simply inserting the spindle in the frame B either before or after the insertion of the frame B into the top of the chimney and, if it is so, attached to the frame B before the latter is slid into the chimney, the only operation required is to simply slide the frame B down into the grooves in the top of the chimney and then lock the cowl D to the spindle. The cowl and its support may be removed at any time by simply sliding the frame B out of the chimney when the latter will be left open and free to be cleaned from soot or otherwise operated upon, as may be required.

To prevent the spindle from wearing the cowl or the cowl support away at the points which bear upon the end of the spindle or upon which the spindle bears, I employ steps or bearing pieces of glass, hardened metal, or other suitable hardened material, as shown at *m*, Fig. 1.

While I have shown several different forms which the removable cowl support may assume, it is obvious that further slight changes might be resorted to in the form and arrangement of the several parts without departing from the spirit and scope of my invention. Hence I do not wish to limit myself strictly to the structure herein set forth, but

What I claim is—

The combination with the chimney top provided with grooves located on its interior and a cowl, of a cowl support having tongues at its periphery adapted to slide along the grooves on the interior of the chimney top, and a spindle engaged with the cowl support and cowl, substantially as set forth.

ALBERT SCHMALL.

Witnesses:

IRENE B. DECKER,
FREDK. HAYNES.