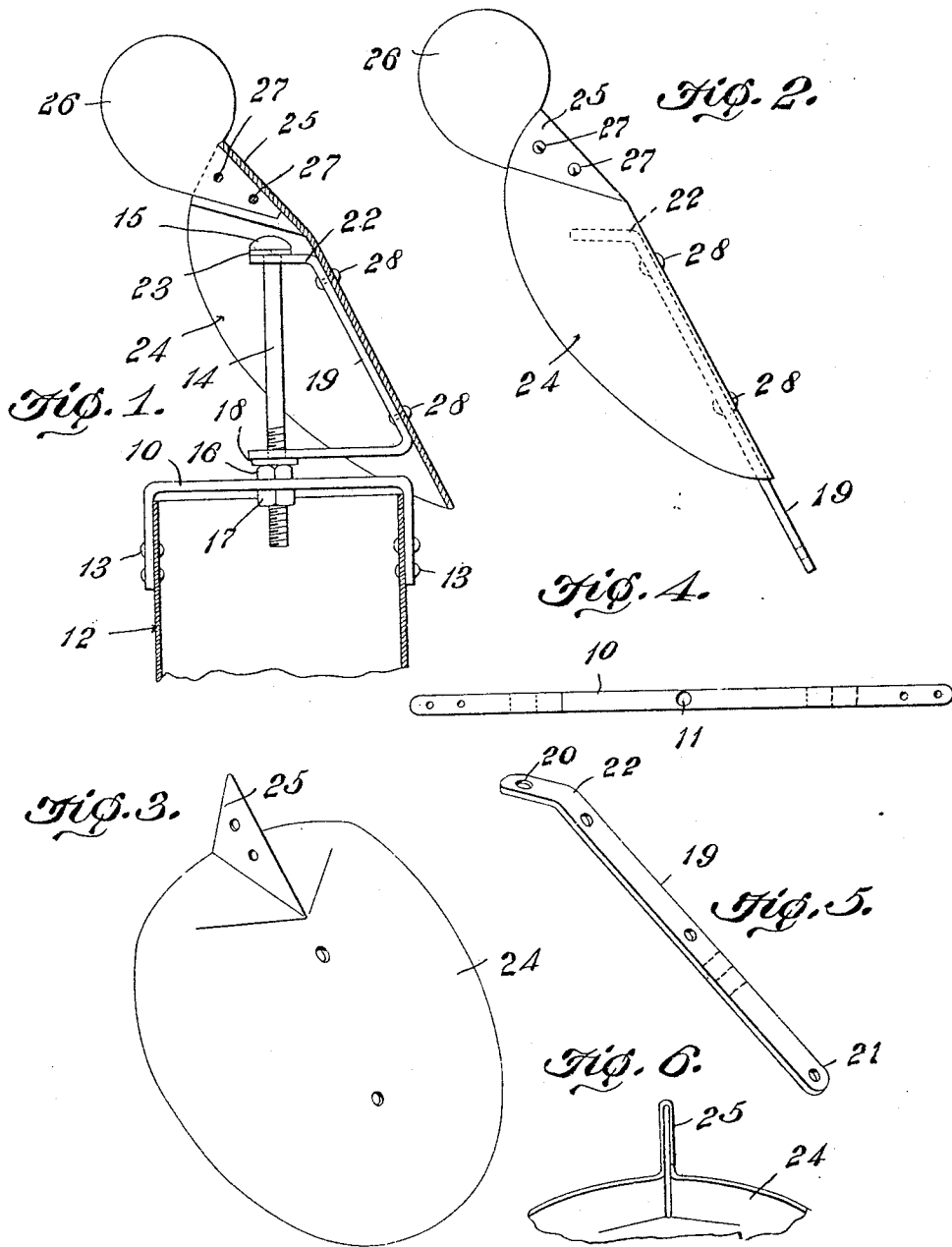


No. 845,862.

PATENTED MAR. 5, 1907.

E. S. EGY.
CHIMNEY COWL.
APPLICATION FILED MAR. 14, 1906.



WITNESSES:
E. H. Stewart
C. M. Woodward

Edgar S. Egy, INVENTOR.
By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

EDGAR S. EGY, OF STORM LAKE, IOWA.

CHIMNEY-COWL.

No. 845,862.

Specification of Letters Patent.

Patented March 5, 1907.

Application filed March 14, 1906. Serial No. 306,066.

To all whom it may concern:

Be it known that I, EDGAR S. EGY, a citizen of the United States, residing at Storm Lake, in the county of Buena Vista and State of Iowa, have invented a new and useful Chimney-Cowl, of which the following is a specification.

This invention relates to chimney-cowls, and has for its object to improve the construction and increase the efficiency and utility of devices of this character.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereafter 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 the embodiment of the invention capable of carrying the same into practical operation.

In the drawings, Figure 1 is a vertical sectional view of a portion of a smoke-stack and the improved device applied thereto. Fig. 2 is a side elevation of the cowl or hood portion of the device with the bracket member attached, the latter in its straight or unbent condition. Fig. 3 is a perspective view of the hood or cowl portion of the device. Fig. 4 represents the base or support, and Fig. 5 represents the bracket member, detached, in their unbent forms. Fig. 6 is a front view of the upper or socket end of the hood or cowl.

The improved device comprises a base or supporting member adapted to be supported upon any size of smoke-stack or chimney, a standard supported vertically in said base member, a bracket swinging upon said standard and adjustable to adapt it to the size of stack or flue, and a cowl having means for attachment to the bracket.

The base member is in the form of a bar 10, having a central aperture 11 and extending over the stack represented at 12, and with the ends bent down and riveted at 13 to the stack.

The bar 10 is furnished in straight form, as in Fig. 4, with marks at the points where the same is to be bent to guide the workman in attaching to the stack.

The standard 14 is formed with a head 15 at the upper end and threaded at the lower end, where it passes through the aperture 11 in the base member, and secured in position

by nuts 16 17, bearing upon opposite sides of the base member, and with a washer 18 bearing loosely upon the upper nut 16. The standard is thus readily adjustable vertically relative to the base member and stack, as will be obvious.

The bracket is furnished in the form of a bar 19 with apertures 20 21 at the ends and with one end bent at an angle, as at 22, and adapted to be bent at an intermediate point to bring the end apertures in alinement and in position to rotatively engage the standard 14 between the head 15 and the washer 18. The end portion 22 and the lower bent portion are thus disposed in a horizontal position, while the body of the bracket is disposed at an angle to the vertical plane of the stack and standard, as shown in Fig. 1. A washer 23 is disposed loosely upon the standard 14 between the head 15 and the portion 22 of the bracket.

The bracket may be bent at any desired intermediate point to adapt it to the size of the stack and is supplied with marks where it is to be bent to aid the workman in attaching to the standard. The bracket is thus free to swing around the standard as a center, the washers 18 23 materially reducing the friction.

The cowl portion of the device is formed from a disk 24 of sheet metal pressed into shallow dish-like form and with a portion at one edge crimped or compressed into a socket 25 to receive a vane 26, the latter secured by rivets 27.

The cowl thus constructed is riveted at 28 to the inclined portion of the bracket 19. When thus constructed and applied, the wind blowing over the stack operates upon the vane 26 and holds the body 24 of the cowl in the path of the wind and shields the discharge end of the stack and effectually prevents the wind from blowing down the same.

The device is furnished to the trade "knocked down," with the base member 10 in straight form, as in Fig. 4, the standard 14 with its washers 18 and 23 and nuts 16 17, the bracket with the short bend 22, and the cowl 24 with its socket 25 and vane 26 in position therein. The parts thus supplied can then be readily applied to any size of stack or chimney by bending the parts 10 and 19 at the points marked, riveting the member 10 to the stack, and riveting the cowl 24 to the bracket after the latter is po-

sitioned upon the standard, and the standard connected to the base member by the nuts 16 17.

The device is simple in construction, can be inexpensively manufactured, and readily applied as before noted.

Having thus described the invention, what is claimed is—

1. As a new article, a chimney-cowl formed from a sheet of metal pressed into dish shape and with a portion at one side crimped to form a socket having spaced parallel sides, a vane having an extension bearing in said socket, and fastening means extending through the sides of said socket and also through the vane extension disposed between them.

2. In a device of the class described, a base formed from a bar adapted to be bent at

the ends for bearing over a smoke-stack, a standard supported upon said base, a bracket formed from a bar bent at an angle thereto near one end and bent at an angle thereto at a greater distance from the other end and bearing at said bent ends over said standard, a cowl formed from a sheet of metal bent into dishing shape, means for attaching said cowl to the intermediate angular portion of said bracket, and a vane attached to said cowl.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDGAR S. EGY.

Witnesses:

C. J. WILLIAMSON,
GEO. C. MACK.