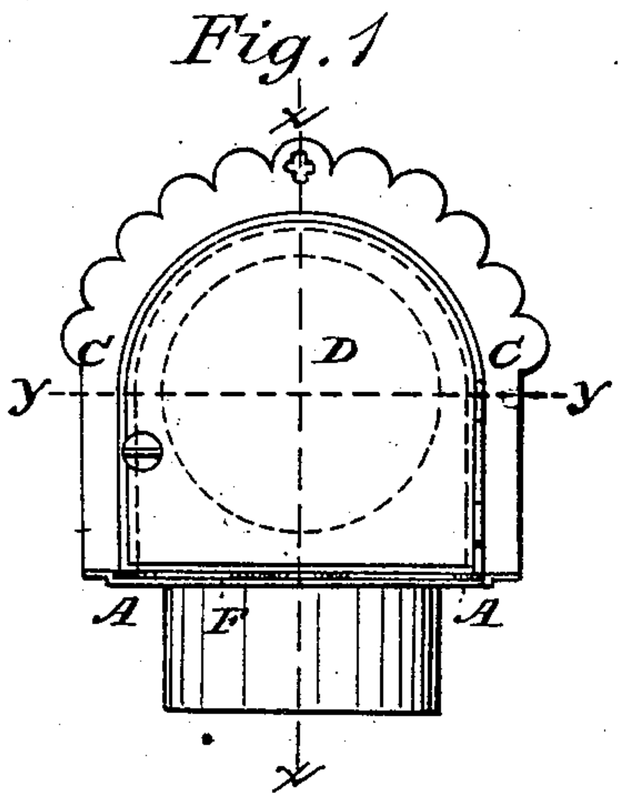
J. WILSON.

Stovepipe.

No. 60,453. Patented Dec. 11, 1866.

Fig. 1



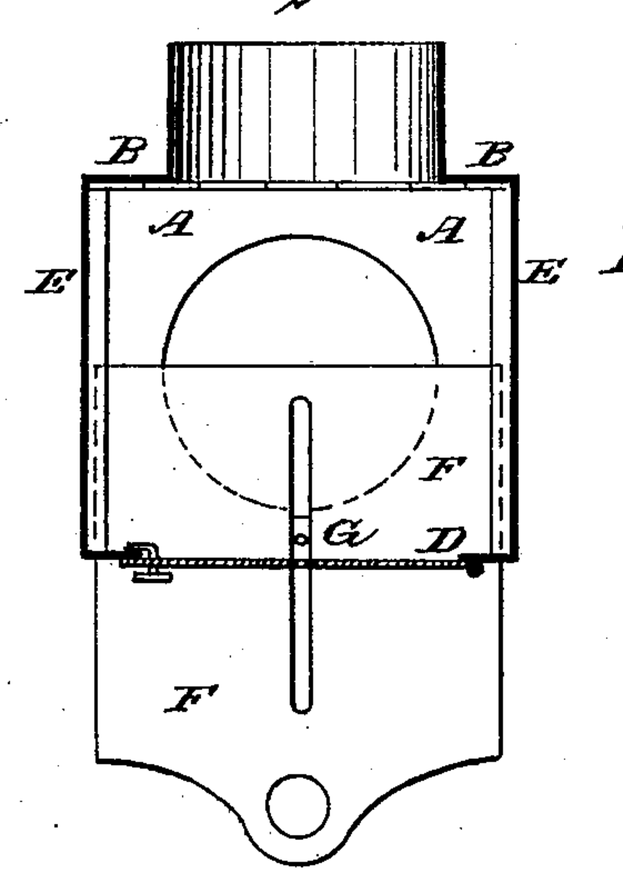
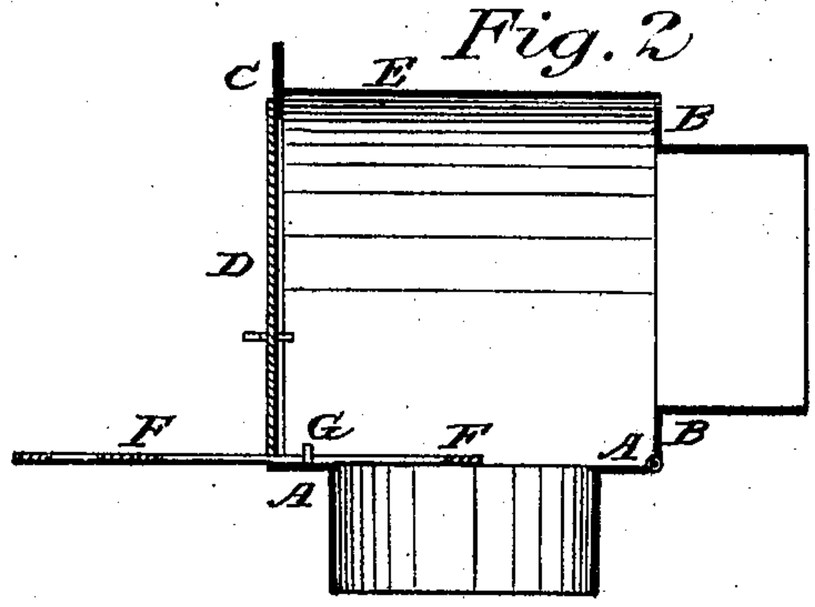


Fig. 3

Fig. 2



Witnesses:

J. W. B Longston

Wm Trevitt.

Inventor:

James Wilson

Per Munn & Co

Attorneys

United States Patent Office.

IMPROVED STOVE-PIPE ELBOW.

JAMES WILSON, OF WILMINGTON, DELAWARE.

Letters Patent No. 60,453, *dated December* 11, 1866.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES WILSON, of Wilmington, Newcastle county, and State of Delaware, have invented a new and useful improvement in Stove Pipe Elbow; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a front view of my improved stove-pipe elbow.

Figure 2 is a vertical section of the same, taken through the line *x x*, fig. 1.

Figure 3 is a horizontal section of the same, taken through the line *y y*, fig. 1.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved stove-pipe elbow, which, when choked up by burning soft coal or other soot-producing fuel, can be readily cleaned and the soot removed. And it consists, first, of a stove-pipe elbow constructed as hereinafter more fully described; and, second, of the combination of a sliding damper with the elbow, for the purpose of regulating the draught of the stove, and also of furnishing a plate over which the soot may be drawn in cleaning out the elbow.

A is the bottom plate of the elbow, which should be made of cast metal, and through the centre of which is a hole for the reception of the upper end of the vertical pipe. The rear plate, B, is cast with the bottom, A, and should have a hole through its centre for the reception of the end of the horizontal stove pipe. The front of the elbow is formed of a cast plate or door frame, C, and door, D. These may be ornamented castings, so as to present a pleasing appearance. The sides and top, E, of the elbow are made of sheet iron, and may be made of one piece. It should be observed that the castings should be made with flanges, in the ordinary manner, so that the elbow can be readily put together. The door, D, is made and hung to the frame, *c*, in the ordinary manner. Upon the top of the bottom plate, and beneath the lower edge of the door, D, slides a damper, F. This damper has a slot through its central part, as shown in figs. 2 and 3, through which passes a stop, G, attached to the bottom plate, A, as shown in fig. 2. By pushing in the damper, F, the draught of the stove is stopped, but the slot through the damper allows the gas to escape into the chimney, so that it is not forced out into the room. The damper also serves as a plate to draw the soot over in cleaning out the elbow. All the parts of the elbow may be made of sheet iron, but I prefer to make them of cast iron, as first described.

I claim as new, and desire to secure by Letters Patent—

1. An improved stove pipe elbow, formed by combining the door frame and door C D, the plates A and B, and the part E, with each other, substantially as described and for the purpose set forth.

2. The combination of the sliding dampers F, with the elbow, substantially as described and for the purpose set forth.

JAMES WILSON.

Witnesses:

JAMES F. WOOD,
WM. SILVER, Jr.