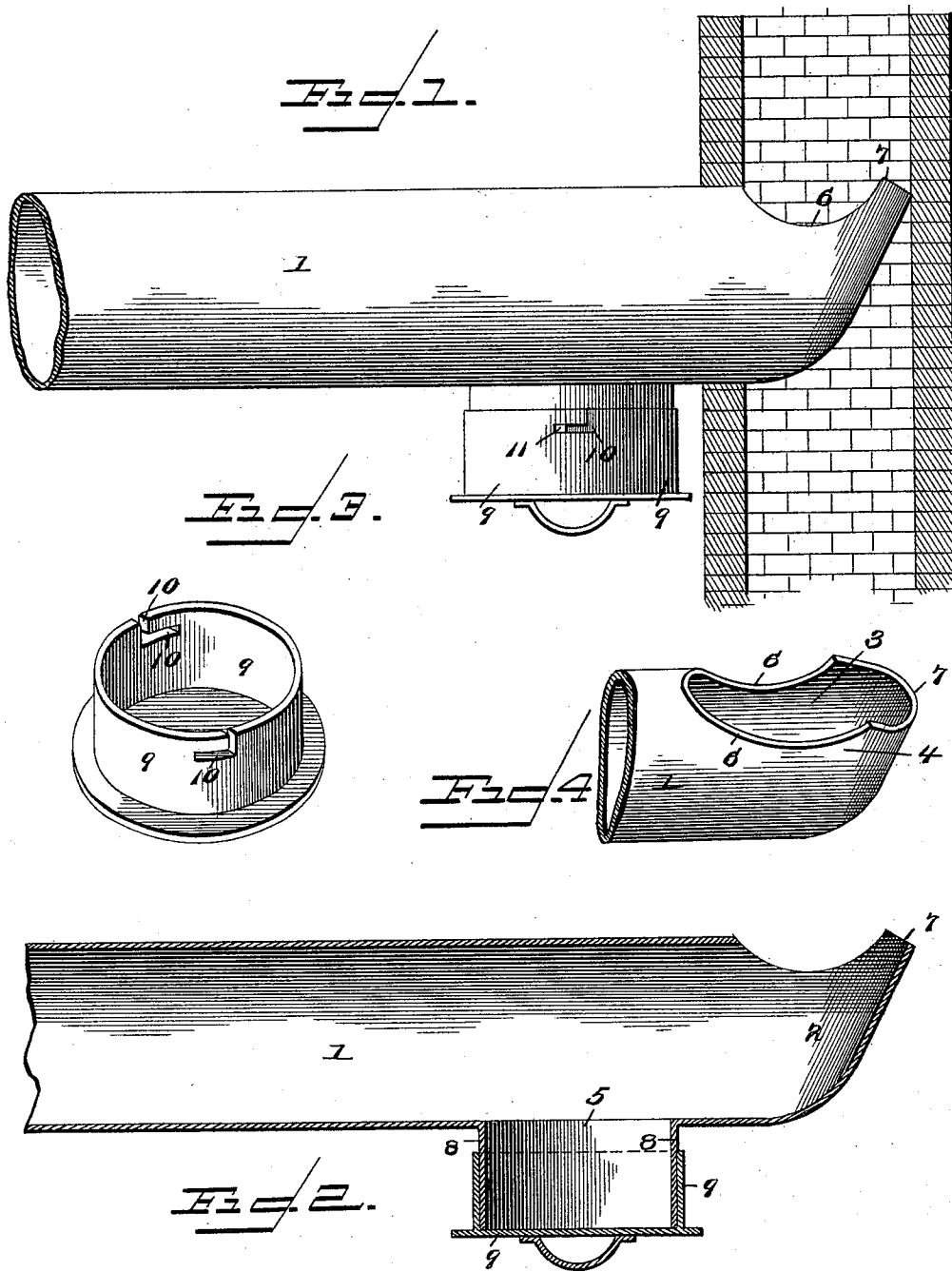


(No Model.)

W. E. SMITH.
STOVEPIPE.

No. 498,316.

Patented May 30, 1893.



Witnesses

E. N. Stewart
H. F. Riley

Inventor
W. E. Smith,

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WILLIAM E. SMITH, OF LINNEUS, MISSOURI, ASSIGNOR OF ONE-HALF TO
RICHARD JEWELL, OF SAME PLACE.

STOVEPIPE.

SPECIFICATION forming part of Letters Patent No. 498,316, dated May 30, 1893.

Application filed December 10, 1892. Serial No. 454,732. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. SMITH, a citizen of the United States, residing at Linneus, in the county of Linn and State of Missouri, have invented a new and useful Stovepipe, of which the following is a specification.

The invention relates to improvements in stove pipes.

The object of the present invention is to improve the construction of stove pipes, and to enable soot to be removed from a flue or chimney without necessitating the removal of a stove pipe or interfering with the fire of the stove.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a side elevation of a portion of a stove pipe constructed in accordance with this invention and shown in connection with a flue or chimney, the latter being in section. Fig. 2 is a longitudinal sectional view of the stove pipe. Fig. 3 is a detail perspective view of the cap. Fig. 4 is a similar view of the inner end of the stove pipe.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a stove pipe designed to be arranged horizontally and adapted to have its inner end 2 inserted in a stove hole of a chimney or flue 3 in the usual manner. The inner end 2 of the stove pipe is provided at the top with an opening 3, and has an upwardly inclined rear wall 4 which is curved in horizontal section, and which is adapted to form a deflector or chute to direct soot falling into the opening 3, to a discharge opening 5 in the bottom of the stove pipe. The upper edges of the opening 3 are curved at 6 and are slightly inclined or truncated at the back at 7. The discharge opening 5 is arranged

outside of the flue or chimney 3, and is provided with a depending flange 8 adapted to receive a detachable cap 9 to close the discharge opening. The cap is substantially cylindrical and is provided at opposite sides with bayonet slots 10 engaging laterally extending lugs or projections 11 of the depending flange. The bottom of the cap is provided with a handle.

It will be seen that the stove pipe is simple and inexpensive in construction, that it is adapted to catch soot falling in the flue, and that it will enable the soot to be readily removed, thereby dispensing with flue cleaners and obviating the necessity of taking down a stove pipe and extinguishing a fire when it is desired to remove soot from a chimney or flue.

I desire it to be understood that 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.

What I claim is—

A stove pipe designed to be inserted in the stove hole of a chimney, with a closed rounded inclined end wall resting against the outer wall of the chimney or flue and having the truncated portion 7 and provided with curved edges 6, whereby an opening is formed at the top of the pipe the entire width of the chimney or flue to catch the soot thereof, said pipe being provided outside of the chimney a short distance from the inclined wall with a discharge opening, arranged in the bottom of the pipe and adapted to have the soot directed through it by said inclined wall, substantially as described.

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

WM. E. SMITH.

Witnesses:

I. JEFF BUSTER,
J. W. NORTHCOTT.