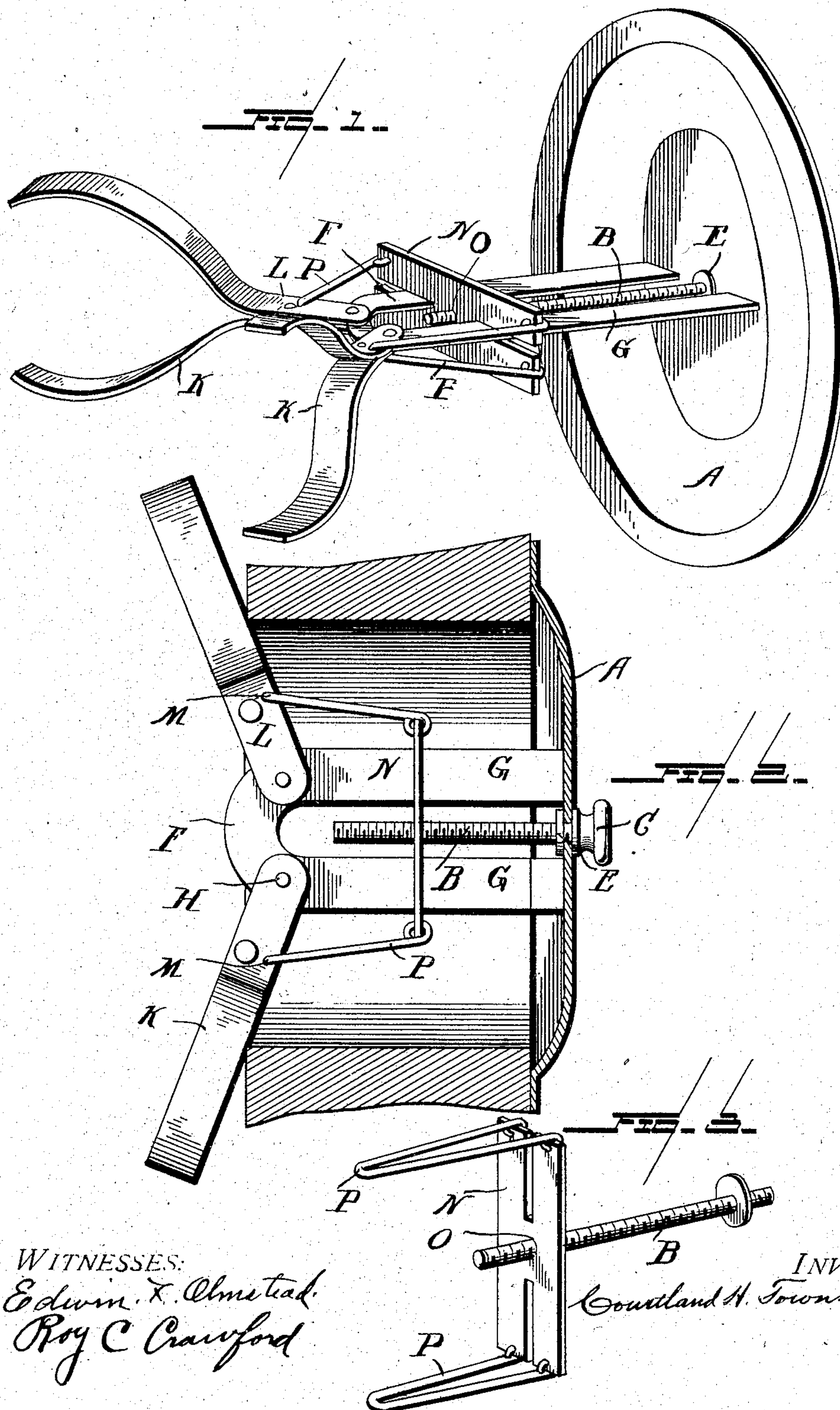


No. 791,514.

PATENTED JUNE 6, 1905.

C. H. TOWNSEND.
CHIMNEY STOPPER.
APPLICATION FILED NOV. 15, 1904.



WITNESSES:
Edwin F. Olmstead
Roy C Crawford

INVENTOR
Courtland H. Townsend

UNITED STATES PATENT OFFICE.

COURTLAND H. TOWNSEND, OF LAKE CITY, IOWA.

CHIMNEY-STOPPER.

SPECIFICATION forming part of Letters Patent No. 791,514, dated June 6, 1905.

Application filed November 15, 1904. Serial No. 232,899.

To all whom it may concern:

Be it known that I, COURTLAND H. TOWNSEND, a citizen of the United States, residing at Lake City, county of Calhoun, and State of Iowa, have invented certain new and useful Improvements in Chimney-Stoppers; 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.

My invention consists in the novel features hereinafter described, reference being had to the accompanying drawings, which illustrate one form in which I have contemplated embodying my invention, and the said invention is fully disclosed in the following description and claims.

The invention relates to a new fastening attachment to a chimney-stop for holding the same in place, so that it will effectually prevent soot from entering the room through the hole in the chimney, and one that can be held so firmly as to prevent rattling sound.

Referring to the said drawings, Figure 1 is a perspective view showing the position of the grip-arms when the stopper is not in use. Fig. 2 is a side elevation showing the position of said arms and regulating-screw when stopper is applied to the chimney-hole. Fig. 3 is a detail perspective view of the regulating standard-plate, the threaded screw-shaft, and the U-shaped wire links for holding the movable grip-arms.

Similar letters refer to similar parts throughout the several views.

The disk A constitutes the outer or visible part of the stopper, which is shown in conjunction with the extremity of the threaded screw-shaft B, which is arranged to terminate on the outer part in an ordinary screw-head or an ornamental button C. The screw-thread is cut on the shaft from its interior extremity, said shaft being marked B. A metal collar E is soldered to the base of the screw-shaft inside the disk in such a way as to make the shaft immovable longitudinally and at the same time permit of the free rotation of the shaft.

F is a U-shaped standard-plate, the ends of which have arms G, which are soldered to the disk A, by which means it is held rigidly perpendicular to the disk with its legs inside the disk. The part of the standard most remote from the disk is provided with two holes to receive pivot-pins H, on which are mounted two bifurcated fork-shaped arms K. These arms are each formed of two pieces of metal, riveted about two-thirds of their length to form a shank L and diverging from the rivets to form ends for engaging the interior of the chimney. The two members forming the shank are slightly spread to pass on each side of the standard.

Each of the shanks is perforated at M, adjacent to the bifurcation, to receive a U-shaped wire link which extends along the shaft toward the disk. The ends of the U-shaped links are pivotally secured to a plate N, having open slotted ends adapted to be guided along the standard, and said plate is further provided with a central screw-threaded aperture O to receive the threaded screw-shaft B, the head of which passes through the aperture in the disk. The disk, U-shaped standard, slotted plate, and bifurcated forks are made of thin sheet metal.

The method of using my invention is as follows, viz: Having placed the stopper in the flue of the wall, the handle C is rotated until the bifurcated fork-shaped arms K are fully spread out against the inner angle of the hole in the chimney and the handle is tight against the outer disk and the flue-hole is securely closed.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. In a chimney-stopper, the combination of a disk, a U-shaped member rigidly secured thereto, bifurcated arms pivotally connected to the U-shaped member, a screw-threaded shaft pivotally connected to the disk, a plate cooperating with the screw-threads of said shaft, said plate being guided by said U-shaped member, and means for connecting said plate to said bifurcated arms.

2. In a chimney-stopper, the combination

of a disk, a U-shaped member rigidly secured thereto, bifurcated arms pivotally connected to said U-shaped member, a plate guided by said U-shaped member, means for connecting
5 ing said plate to said bifurcated arms and means for sliding said plate along said U-shaped member.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

COURTLAND H. TOWNSEND.

Witnesses:

EDWIN F. OLMSTEAD,
ROY C. CRAWFORD.