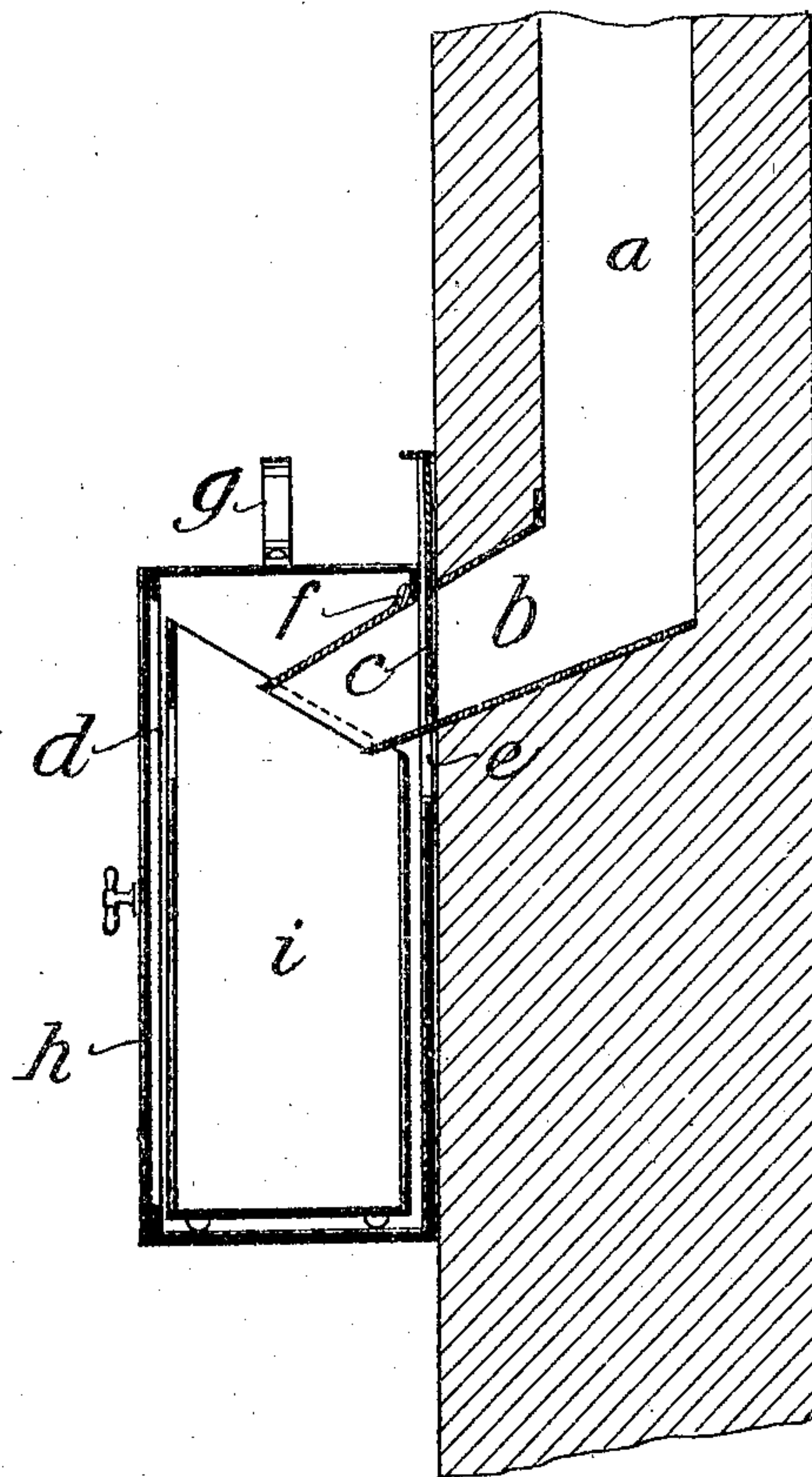


No. 775,500.

PATENTED NOV. 22, 1904.

C. PRANGEMEIER.
SOOT COLLECTOR FOR CHIMNEYS.
APPLICATION FILED NOV. 16, 1903.

NO MODEL.



Witnesses

Heinrich Edelbrock.
Heinrich Schuster

Inventor

Caspar Prangemeier.

UNITED STATES PATENT OFFICE.

CASPAR PRANGEMEIER, OF MÜNSTER, GERMANY.

SOOT-COLLECTOR FOR CHIMNEYS.

SPECIFICATION forming part of Letters Patent No. 775,500, dated November 22, 1904.

Application filed November 16, 1903. Serial No. 181,460. (No model.)

To all whom it may concern:

Be it known that I, CASPAR PRANGEMEIER, a subject of the King of Prussia, Emperor of Germany, and a resident of Nos. 41 and 42 Katthagen, in the city of Münster, in the Empire of Germany, have invented a new and useful Soot-Collector for Chimneys, of which the following is a specification.

The present invention relates to an improved device for collecting the soot of chimneys.

Special objects of the invention are to simplify and cheapen the construction and to render more efficient, serviceable, and durable in operation devices of the kind referred to.

With these ends in view the invention consists in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter explained, shown in the accompanying drawing, and then specifically set out in the appended claim.

In the drawing is shown a soot-collector according to my present invention in a vertical section.

Into the lower end of the smoke-channel of a chimney *a* is inserted a tube *b*, constructed of metal, cement, or like suitable material. The insertion of this tube *b* is effected in an inclined plane for a purpose to be stated later on. The customary sliding door *c* for shutting off the smoke-channel toward the interior of the building is movable in the tube *b*, which latter extends into the room, as shown in the drawing. A receptacle *d*, whose back wall shows an opening *e* sufficiently large for the passage of the front end of the inclined tube *b*, is secured to the wall of the chimney *a* in such a manner that the soot from the smoke-channel, running down the inclined tube *b*, reaches said receptacle *d* and is collected

therein. A transverse projection or ridge *f* on the upper surface of the tube *b* serves for securing the receptacle *d* to the chimney *a*, said projection or ridge being near the wall when the tube is in place. Behind this ridge *f* grips the receptacle *d*, with the upper edge of the opening *e* in its back wall.

For convenience in removing and carrying the receptacle *d* a handle *g* may be provided on the top thereof. A front door *h* serves for opening the receptacle *d*.

The soot is received in a collector *i* in the receptacle *d*, which collector can easily be removed and replaced by opening the door *h*.

The hereinbefore-described soot-collector and its various parts may be constructed of any desired or suitable material and in the required dimensions.

What I claim as my invention, and desire to secure by Letters Patent, is—

A soot-collector for chimneys comprising in combination the tube *b* formed on its upper surface with a transverse projection or ridge *f*, said tube adapted to be inserted into and to project from the lower end of the smoke-channel of a chimney, said projection or ridge being near the wall when the tube is in place, the receptacle *d* formed with an opening through which said tube projects, the upper edge of the opening adapted to grip behind said projection or ridge, substantially as described.

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

CASPAR PRANGEMEIER.

Witnesses:

WILLIAM ESSENWEIN,
PETER LIEBER.