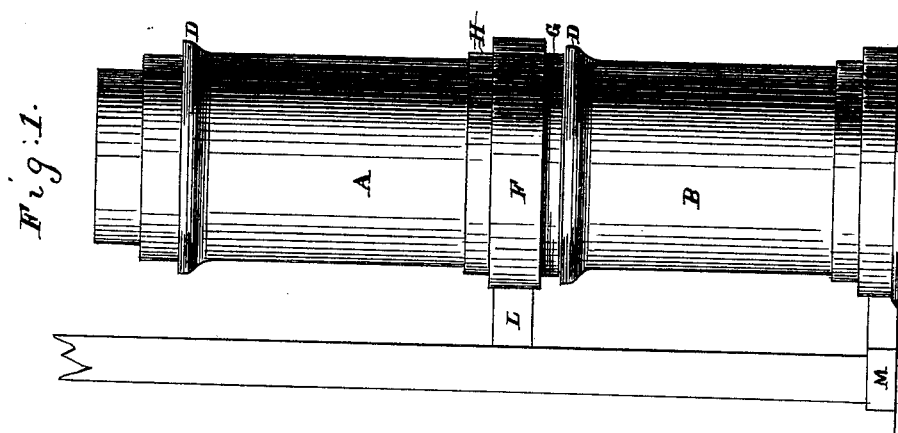
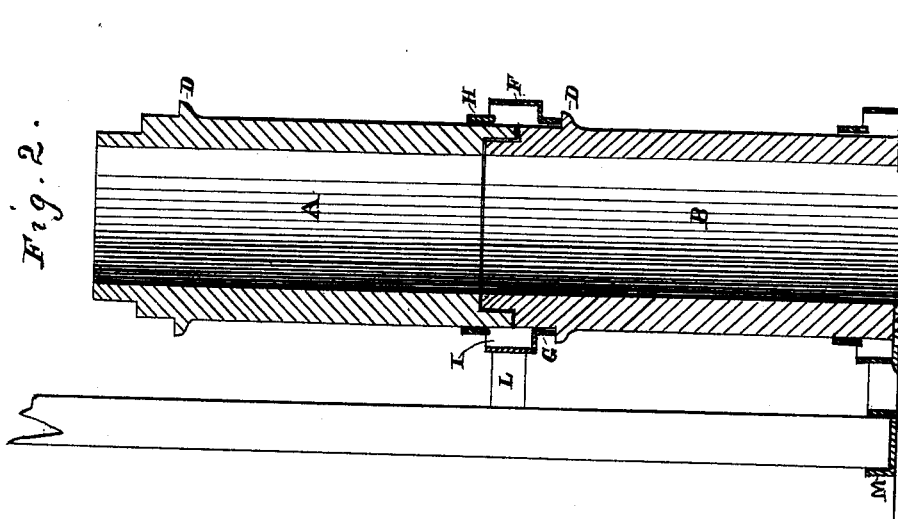


L. E. CLAWSON.  
Sectional-Chimney.

No. 197,096.

Patented Nov. 13, 1877.



Witnesses  
*Geo. L. Bonn*  
*Frank G. Brooks*

Inventor  
*Lionard E. Clawson*  
*by Dewey Co.*  
*Attys.*

# UNITED STATES PATENT OFFICE.

LEONARD E. CLAWSON, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN SECTIONAL CHIMNEYS.

Specification forming part of Letters Patent No. **197,096**, dated November 13, 1877; application filed October 4, 1877.

*To all whom it may concern:*

Be it known that I, LEONARD E. CLAWSON, of the city and county of San Francisco, and State of California, have invented Improvements in Sectional Chimneys; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My invention relates, first, to a novel band for binding together and covering the joints of the sections used in the construction of sectional chimneys; secondly, to an improved arrangement for bracing the chimney, all as hereinafter more fully described.

Referring to the accompanying drawings, Figure 1 is a view, in elevation, of my device. Fig. 2 is a vertical section.

Let A B represent two tubular sections or pipes, such as are used in the construction of sectional chimneys. To connect these joints or sections together I reduce one end of each section, and form a corresponding chamber at the opposite end, so that the reduced end of one section will fit into the chamber end of the other.

A short distance below the shoulder, at the reduced end of each joint, I form a projecting ledge or flange, D, for my improved band to rest upon. This band consists of a main central ring, F, which is larger in diameter than the pipes over which it fits. To the lower end of this band I attach a smaller band, G, which is quite narrow, and which will fit snugly upon the chimney-section. The upper edge of this lower band or collar is united with the lower end of the band F, so as to make a perfectly-tight connection. Above the band F, I secure another collar or ring, H, which also fits snugly over the pipe, and its lower edge is connected at intervals with the upper end of the band F, so as to leave slots or openings I between the connections.

When the recessed end of one pipe has been fitted over the small end of the pipe below, I place this band over the upper end of the pipe, so that the lower ring or collar G will rest upon the projecting ledge or flange D. When the recessed end of the section above is placed over the small end of this section, it will pass inside of the upper ring or collar, H,

so that the band will entirely surround the joints.

The large band F, standing away from the pipe, will form a circular chamber around the joint, which chamber I fill with cement or plaster, through the openings I. This forms a perfectly-tight joint-band, and also binds the two ends of the sections together.

The band is easily applied, and can be cheaply made.

At the base of the chimney I place a similar ring, in which the lower section rests.

The bottom of this band is made flat, so as to rest upon the top of the fire-place or other support.

To brace the chimney, I connect each band F, either with the studding of the house or with a studding specially applied for that purpose, by means of the connection L.

When the special studding is employed, I construct a pan or socket, M, in which the foot of the studding will rest, and this pan or socket I connect with the lower joint-band, as represented. This enables me to steady the chimney and keep the sections in place, so that they cannot become displaced unless the house settles.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A joint-band for sectional chimneys, consisting of rings or collars G H, and intermediate band F of larger diameter, arranged to form a chamber or recess around the joint, which can be filled with cement or plaster through openings I, substantially as above specified.

2. The pan or socket M, connected with the lower joint-band, in combination with the connections L, for bracing and steadying the chimney from the studding of the house, or from a specially-erected studding, substantially as above specified.

In witness whereof I have hereunto set my hand and seal.

LEONARD E. CLAWSON. [L. S.]

Witnesses:

FRANK A. BROOKS,  
WILL L. TAYLOR.