

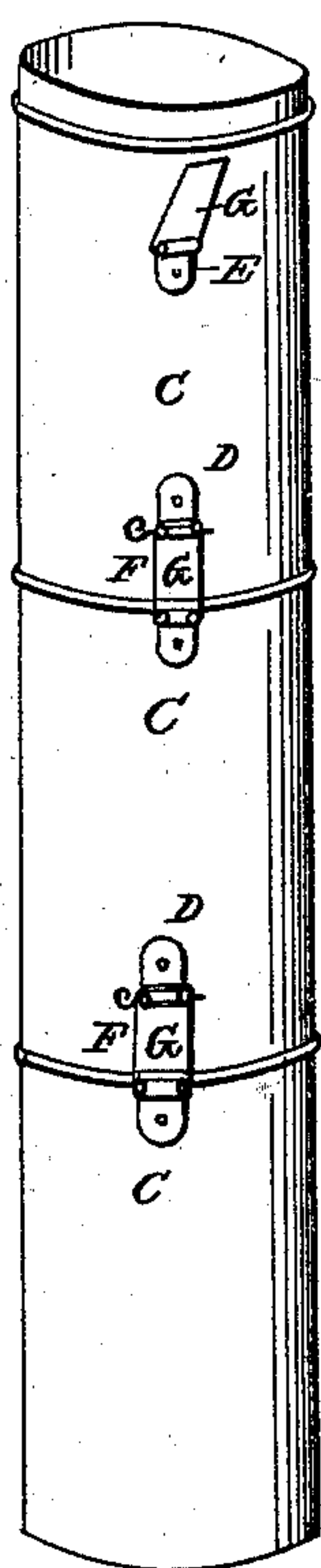
E. JOHNSON.

Mode of Connecting the Joints of Stovepipes and Water Conductors.

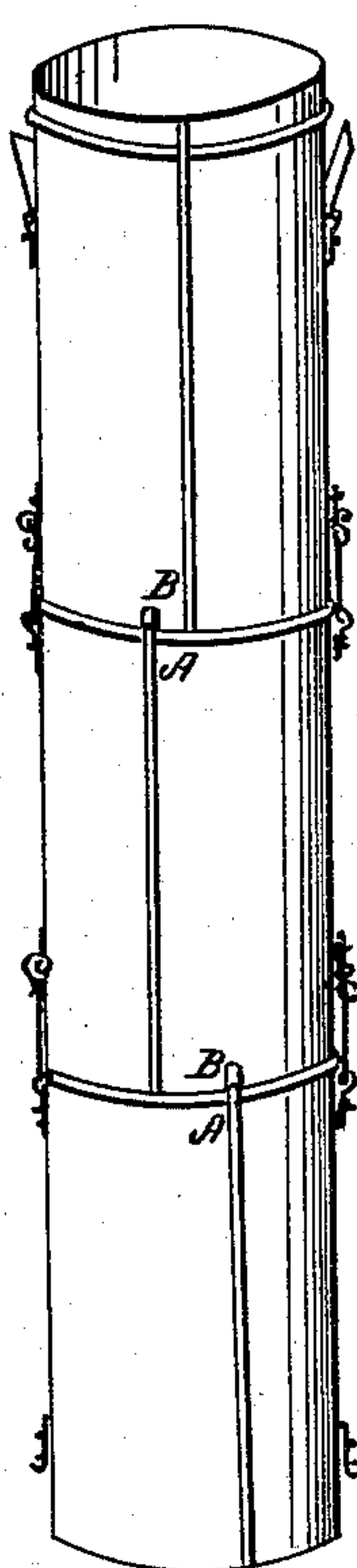
No. 54,555.

Patented May 8, 1866.

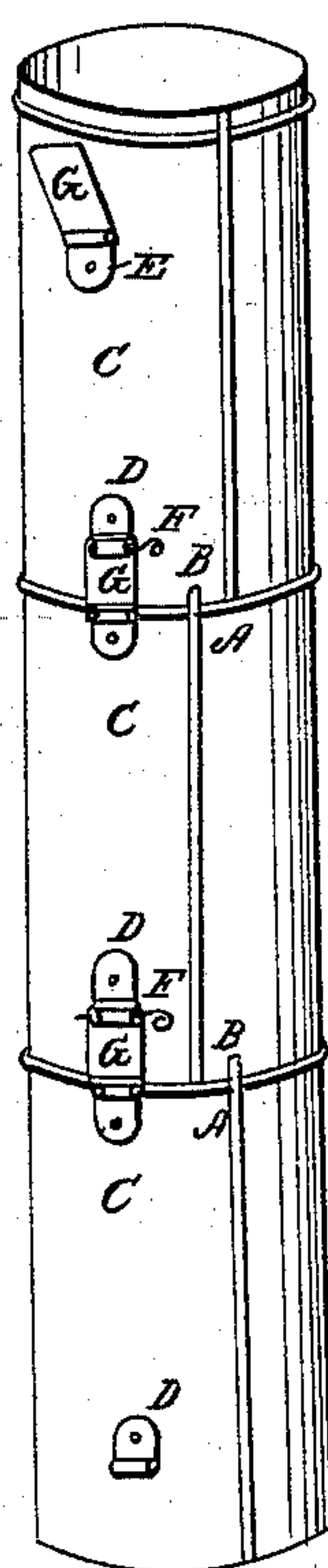
*Fig: 3.*



*Fig: 2.*



*Fig: 1.*



*Witnesses:*

*Allen K. Swan*  
*Joseph M. Moore.*

*Inventor:*

*Erna Johnson.*

# UNITED STATES PATENT OFFICE.

EZRA JOHNSON, OF HERMON, MAINE.

IMPROVED MODE OF CONNECTING THE JOINTS OF STOVE-PIPES AND WATER-CONDUCTORS.

Specification forming part of Letters Patent No. 54,555, dated May 8, 1866.

*To all whom it may concern:*

Be it known that I, EZRA JOHNSON, of the town of Hermon, in the county of Penobscot and State of Maine, have invented a new and Improved Mode of Making and Fastening Together of Stove-Pipes and Water-Conductors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing, after the pipe or funnel is put together in the common form, a clasp made of common wire from one-sixteenth to one-eighth of an inch in diameter, varying according to size of pipe or funnel, in oblong form, (for common-sized pipe the clasp should be one by two inches, as represented by letter C, Figs. 1 and 3,) attached to the pipe by a hinge made of sheet metal, made fast to pipe by rivet or its equivalent, (see Plates Nos. 1 and 3, letter C;) also, a band or loop made of sheet metal in

same form of hinge and attached to the adjoining pipe or funnel by rivet or its equivalent, (see Figs. 1 and 3, letter D,) to which the clasp is fastened by a metal bolt, (see letter E, Figs. 1 and 3,) the clasp and hinge on the joint connecting with chimney or building to be set from the end of pipe or tube a suitable distance for the clasp to connect with chimney or building, as seen by letter E of the accompanying drawings.

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

The application to stove-pipes and water-conductors, the clasp and bolt, as herein described, to secure and make fast the connection, and to secure, also, the principle of this form of direct attachment and connection by rivet or its equivalent.

EZRA JOHNSON.

Witnesses:

ALLAN K. SWAN,  
JOSEPH M. MOORE.