

(No Model.)

G. B. BARCLAY.
STOVEPIPE.

No. 539,334.

Patented May 14, 1895.

Fig. 1.

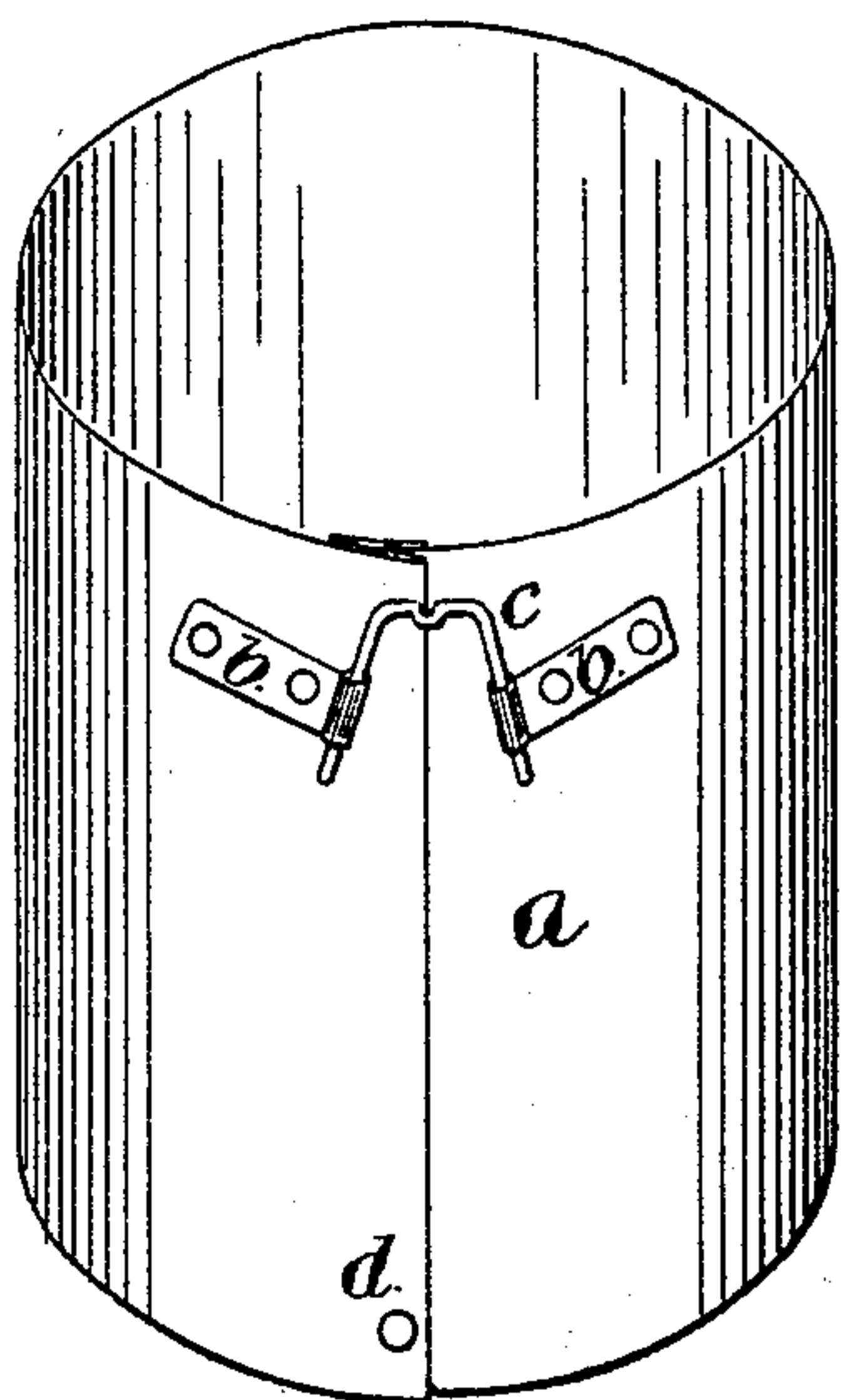


Fig. 2.

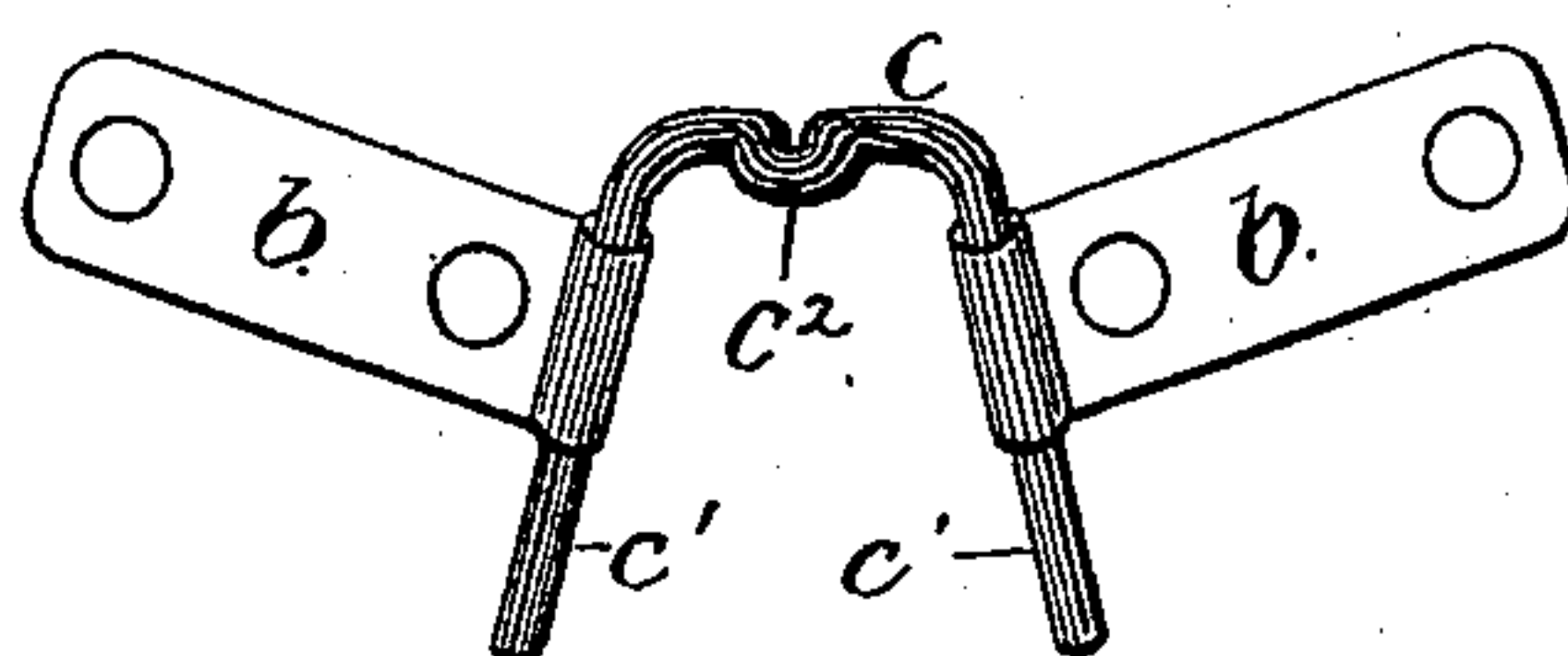


Fig. 3.

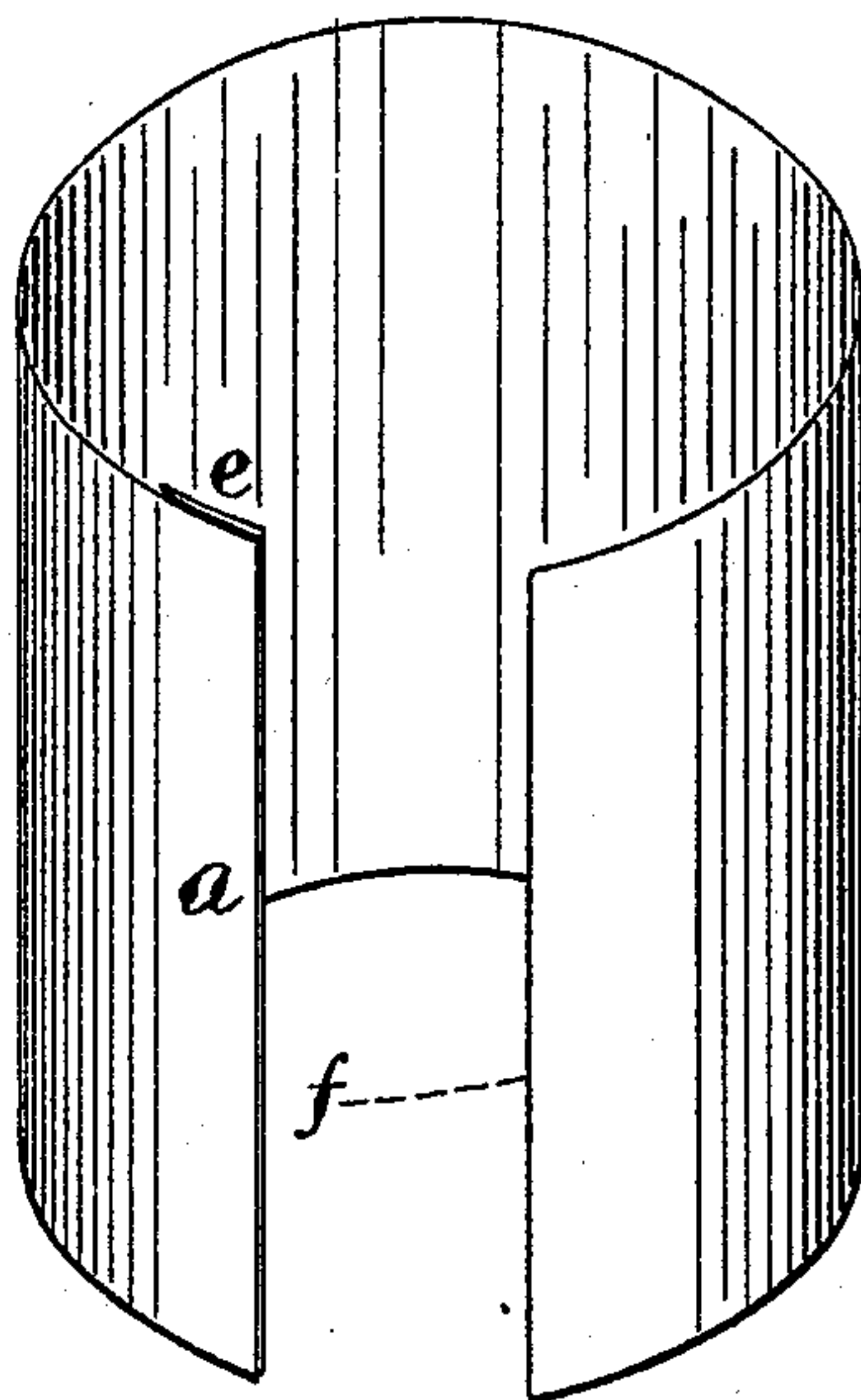


Fig. 4.

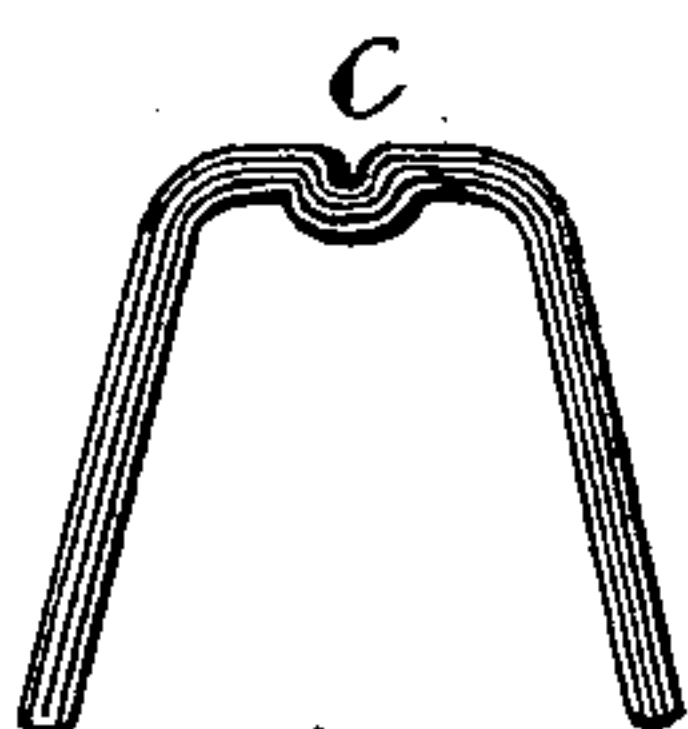
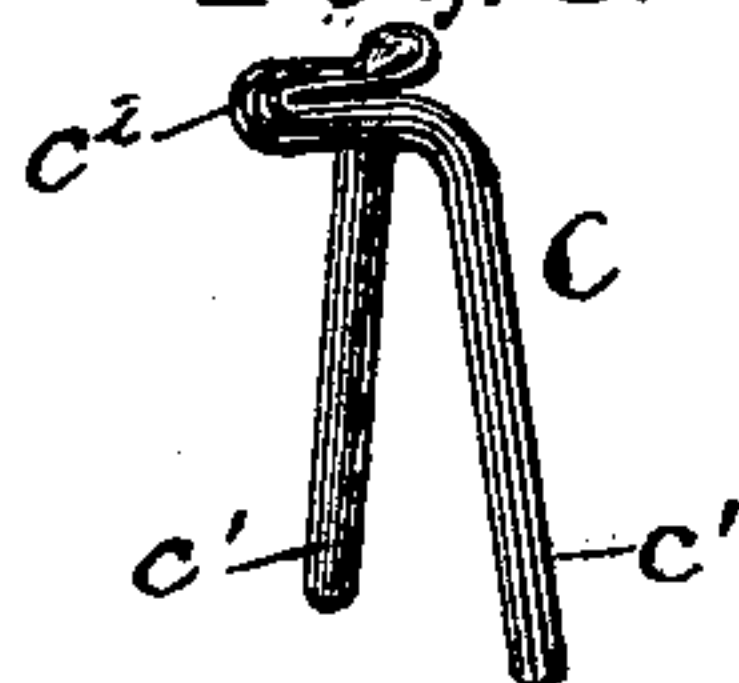


Fig. 5.



Witnesses.

William R. Volmer.
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UNITED STATES PATENT OFFICE.

GEORGE BROWN BARCLAY, OF JOLIET, ILLINOIS.

STOVEPIPE.

SPECIFICATION forming part of Letters Patent No. 539,334, dated May 14, 1895.

Application filed June 16, 1894. Serial No. 514,749. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BROWN BARCLAY, molder, a subject of the Queen of Great Britain, residing at Joliet, in the county of Will and State of Illinois, have invented a new and useful Improvement in Stovepipes, of which the following is a specification.

The object of my invention is to make a stove pipe the circumference of which can easily be increased or diminished by means of a sliding joint or seam, thereby facilitating the fitting of the same.

The invention consists of the combination of two sheet iron "sockets" secured to the sheet iron of the pipe, one "socket" being on each side of the seam and a V shaped piece of wire or metal that works in the "sockets" in such a manner as to close the seam and to increase or diminish the circumference of the pipe as the V shaped wire or fastening is moved up or down in the sockets.

The manner in which I attain my object is more fully illustrated by the accompanying drawings, in which—

Figure 1 represents a perspective view of a single joint of pipe completed. Fig. 2 represents a perspective view of the two sockets and the V-shaped fastening or wire placed in them. Fig. 3 represents a perspective view of the double fold and clear edge. Fig. 4 represents the V-shaped fastening or wire seen from direct front view. Fig. 5 represents the V-shaped fastening or wire as viewed at an angle of about forty-five degrees to one side from the view in Fig. 4.

a represents the pipe completed of the usual material.

b b represent the two sheet iron "sockets" at one extremity of the pipe, one on each side of the seam.

c represents the V shaped fastening or wire which is placed in and is to work up and down in the sheet iron sockets.

d represents a rivet which secures the seam at the opposite extremity of the pipe when fastening is used at one end only. The rivet is made so as to allow a little play of the seam around it as a pivot when the V shaped fastening or wire is moved up or down in the sockets.

e represents the double fold which is formed so as to receive the clear edge *f* into the second fold. The clear edge *f* at the extremity

which is secured by the rivet has its corner rounded off so as to allow a slight motion on the rivet when the fastening is operated.

I prefer that the fastening piece, *c*, should be made of wire of a size sufficient to give the requisite stiffness, and that it should be shaped as shown in the drawings, that is to say, with the diverging legs, *c'*, *c'*, which fit into the sockets, *b*. The cross connecting piece between the legs is provided with an outward projecting folded portion, *c²*, which serves as a handle by means of which the fastening may be slid in the sockets, *b*.

By the use of a coupling or fastening piece such as I have shown, I produce a device which may be easily operated, and which acts positively to change the size of the pipe whichever way it be moved. Thus, when the fastening is moved down the opposite edges of the pipe are positively drawn together, and when the fastening device is moved upward or in the opposite direction, the edges of the pipe are positively separated and the size of the pipe increased.

I make no claim to the V shaped fastening or wire *c*, or the "sockets" *b b*, or the double fold *e*, or the clear edge *f* within or of themselves.

I claim—

1. A pipe section provided with one folded or doubled edge with which the opposite edge is adapted to engage to form a close seam or joint, in combination with the sockets, *b, b*, secured to the pipe section near its opposite edges, and the fastening piece, *c*, having diverging legs which have bearing in the said sockets, substantially as set forth.

2. In combination with a pipe section the edges of which are adapted to be brought together to form a close or tight joint or seam, the sockets, *b, b* secured to the pipe section near its opposite edges, and the fastening piece, *c*, having the diverging legs, *c', c'*, adapted to engage with the said sockets, and the cross connecting piece between the legs provided with an outward extended folding portion, *c²*, which serves as a handle for manipulating the fastening, substantially as set forth.

GEORGE BROWN BARCLAY.

Witnesses:

M. F. LAUGHRAN,
A. SCHAMSTEDT.