

H. Vansandt's,

Stove Pipe Shelf.

No. 103107.

Patented May 17. 1870.

Fig. 1.

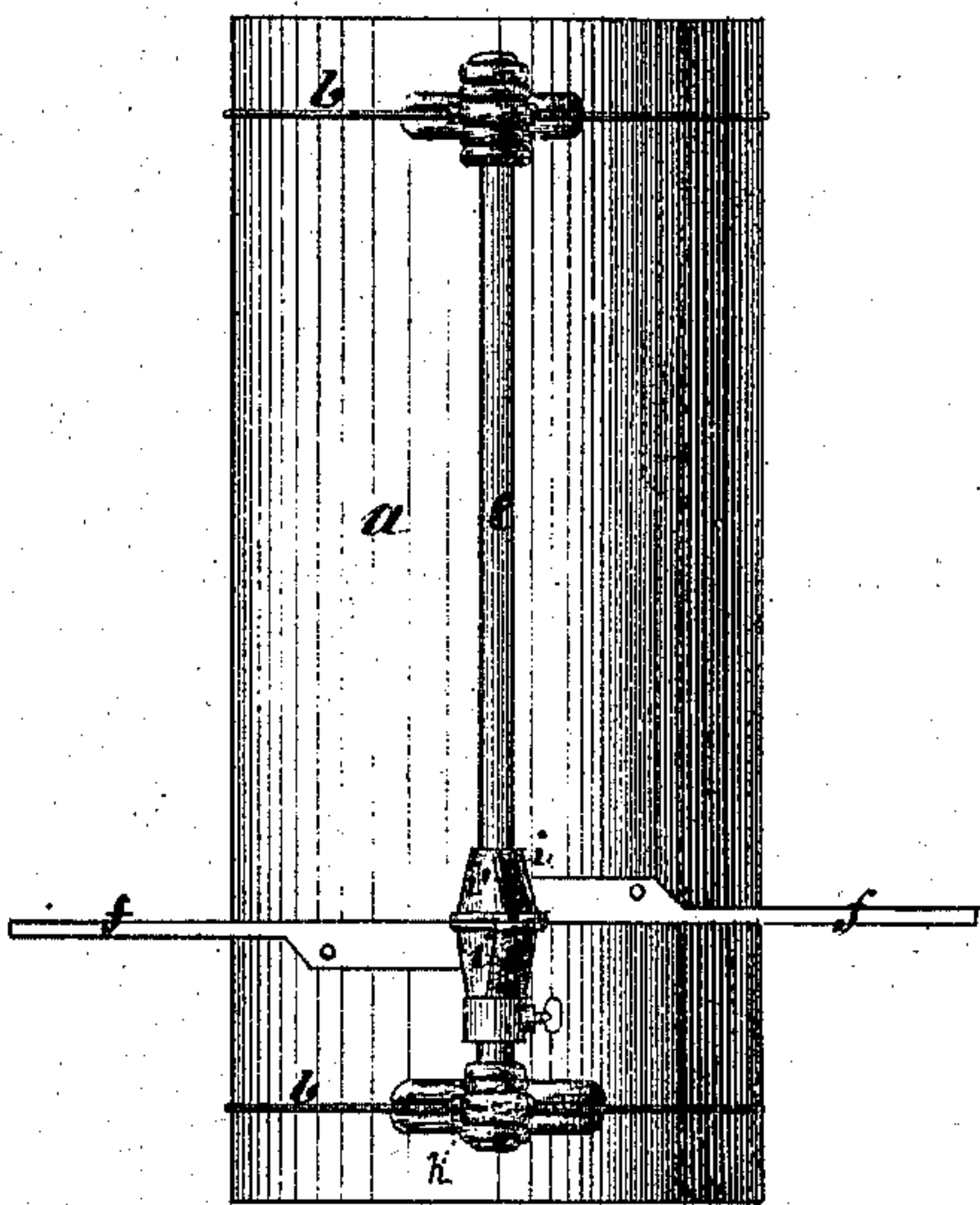


Fig. 2.

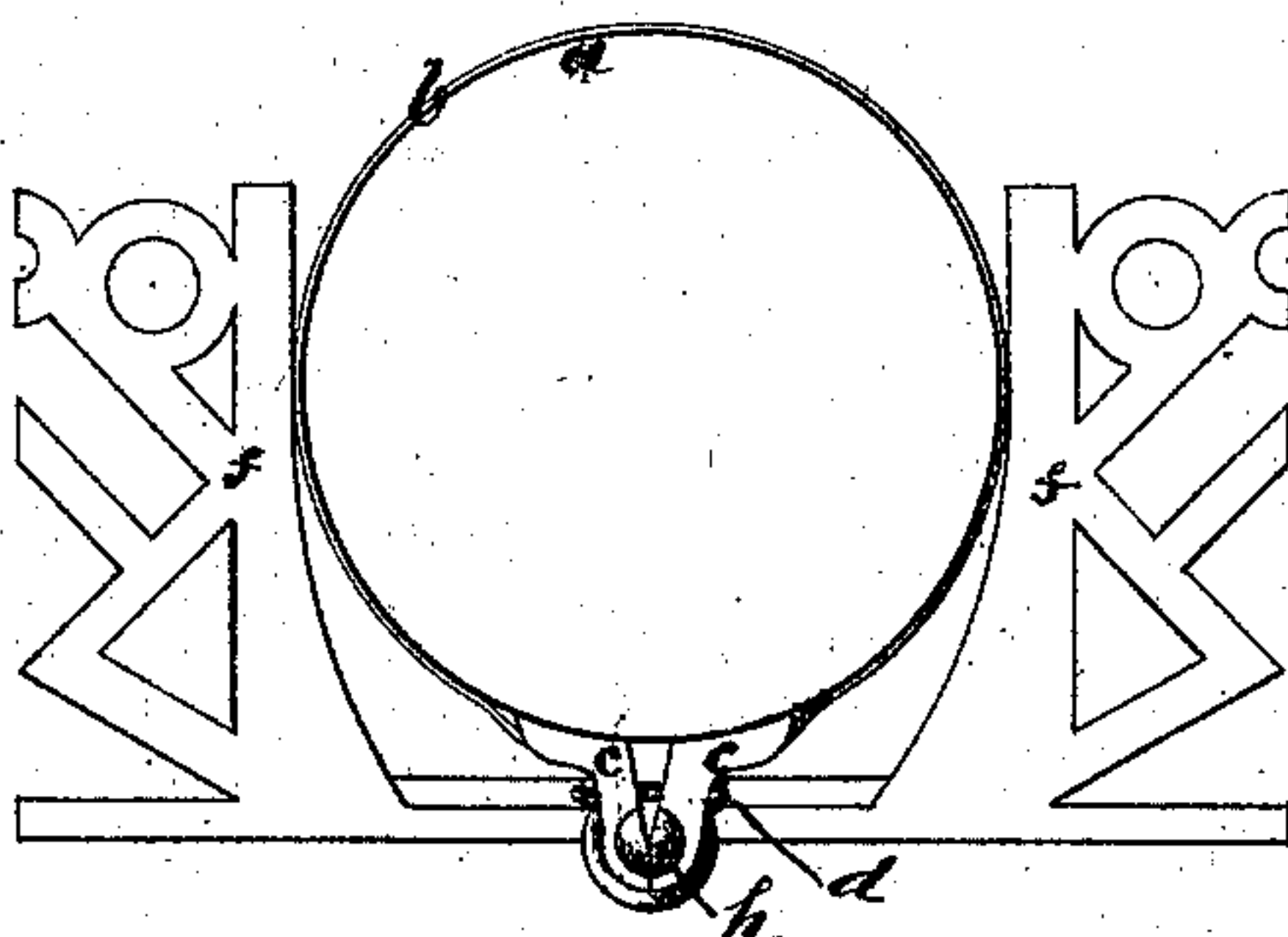
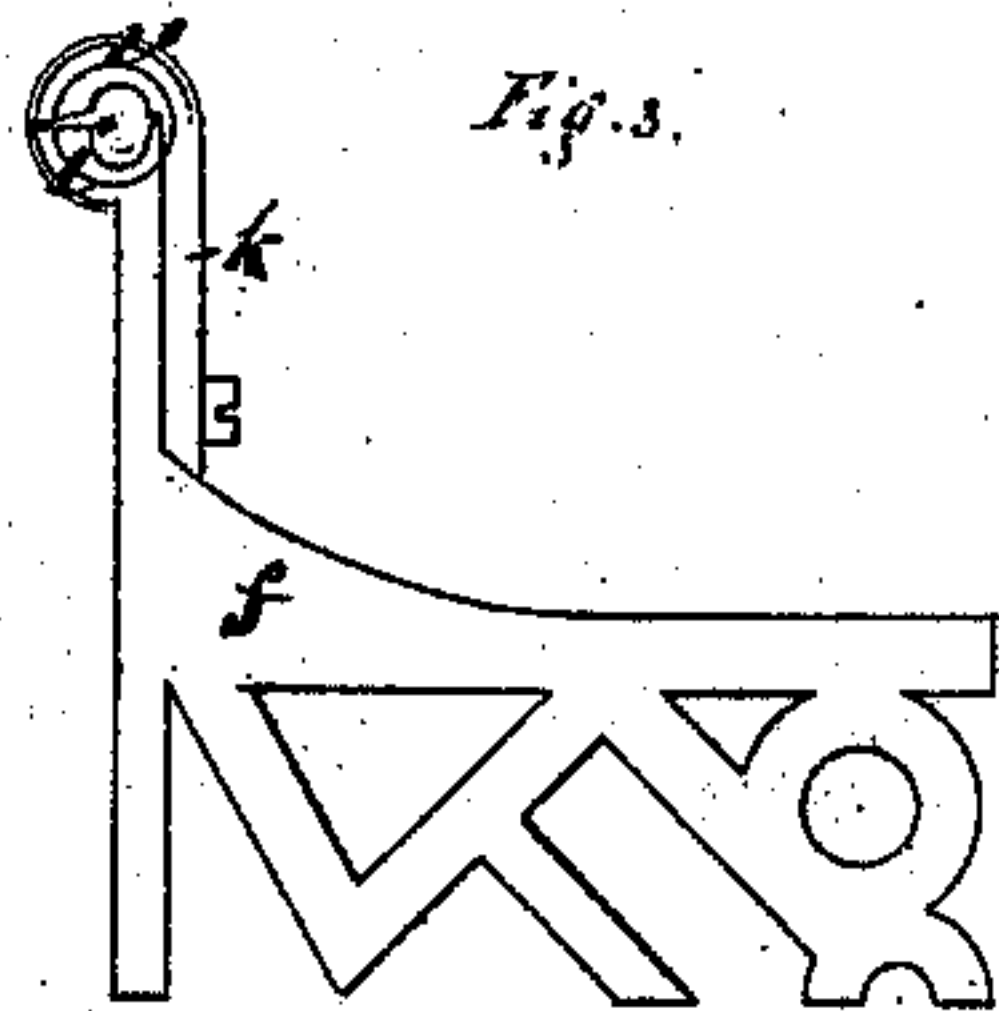


Fig. 3.



Witnesses

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HORACE VANSANDS, OF MIDDLETOWN, CONNECTICUT.

Letters Patent No. 103,107, dated May 17, 1870.

IMPROVED BRACKET FOR SUPPORTING STOVE-PIPE SHELVES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HORACE VANSANDS, of Middletown, county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Bracket for Supporting Stove-pipe Shelves; and to enable others skilled in the art to make and use the same, I will proceed to describe, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists in the manner of the construction of the clasp-brackets; and

It further consists in the manner of constructing the shelves, so that they can be easily and quickly attached and detached to or from the supporting-rod, whereby they are rendered self-supporting at any fixed point on said supporting-rod.

In the accompanying drawings—

Figure 1 is a side elevation of a piece of stove-pipe, upon which is arranged this improvement.

Figure 2 is a top view of the same.

Figure 3 is a view of the shelf showing how it is constructed, so that it can be easily and quickly attached and detached to or from the supporting-rod, and how it can be self-supporting upon the rod.

a is the stove-pipe.

b is a wire band, having a hook formed on each end thereof, for the purpose of hooking into the orifice or eye of the two-part brackets *c*.

This band *b* is of such length that, when hooked into the eye of the two-part bracket *c*, and compressed together by a bolt, *d*, around the pipe *a*, the two-part bracket will nearly close together, clamping itself to the pipe and the ends of the shelf-supporting rod *e* in the recess formed in the projecting portion of the brackets. Thus the brackets, with the supporting-

rod, can be easily and quickly removed and replaced by the screws or bolts *d*.

f is the shelf, which, of itself, is constructed in the common way.

h is the socket to receive the supporting-rod *e*.

This socket is formed in two parts, *i i'*. The part *i* is formed on the end of the arm of the shelf *f*. The part *i'* is provided with arm, *k*, of about the same size of the arm of the shelf, and arranged by the side of the shelf-arm.

These two arms are fastened together near their upper edges, and a short distance from the socket, so that, by turning the outer portion *i'* in a position about at right angle with shelf-arm *i*, (the shelf being in nearly a perpendicular position,) and placing the socket against the rod *e*, and then dropping the shelf into its natural horizontal position, the two-part socket will gripe the rods *e* and hold the shelf in a fixed or desirable position or height upon the rod *e*. Thus the shelf can be easily and quickly removed and replaced, as desirable.

I believe I have thus shown the nature, construction and advantage of this invention, so as to enable others skilled in the art to make and use the same therefrom.

What I claim, therefore, and desire to secure by Letters Patent, is—

1. The two-part hinged shelf-socket *i i'*, with the rod *e*, substantially as and for the purpose set forth.

2. In combination with the above, the two-part clamp or bracket *c c*, bolt *d*, and wire bands *e*, substantially as set forth.

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