(No Model.)

S. O'BRIEN.

HANGER FOR STEAM PIPES.

No. 515,922. Patented Mar. 6, 1894.

Fig: 1.

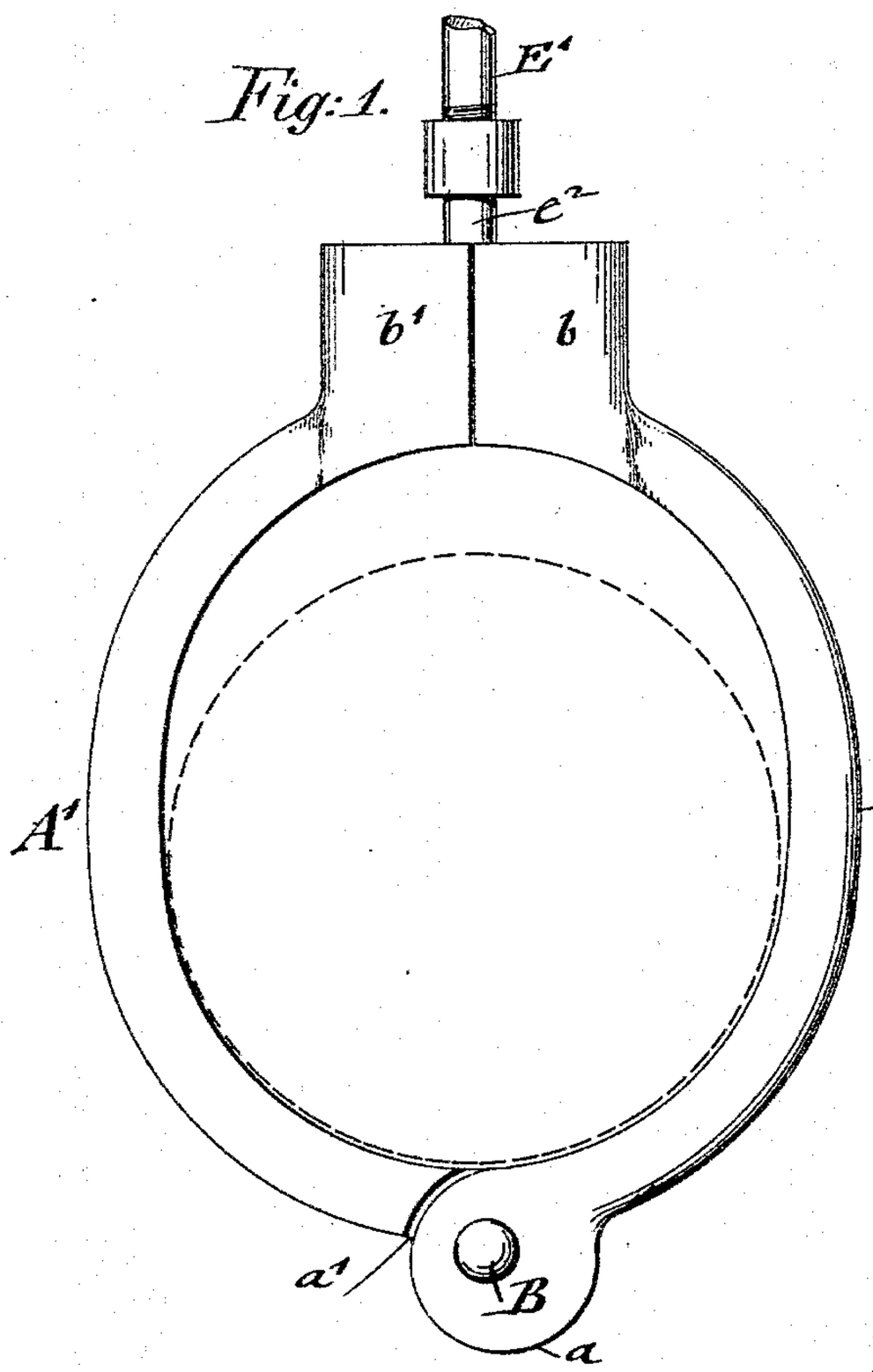
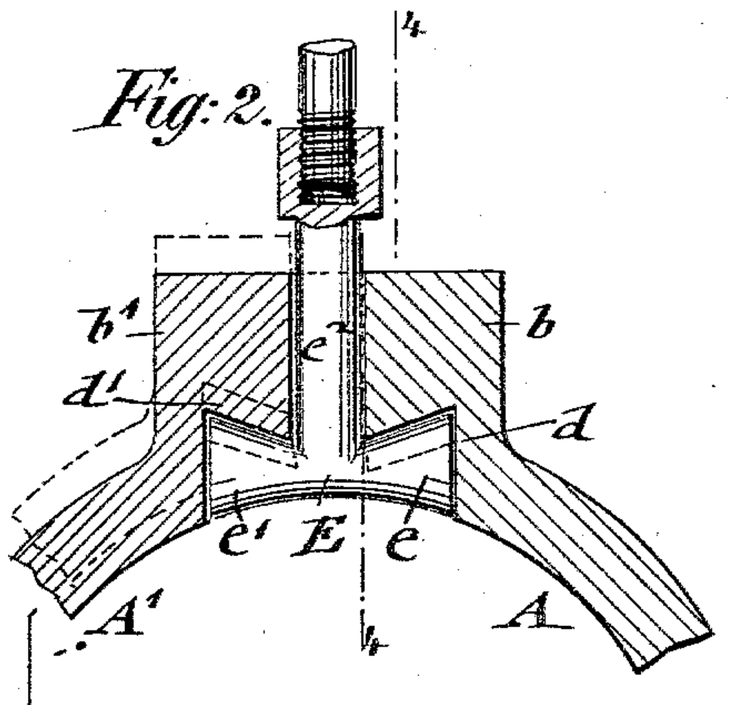


Fig: 2.



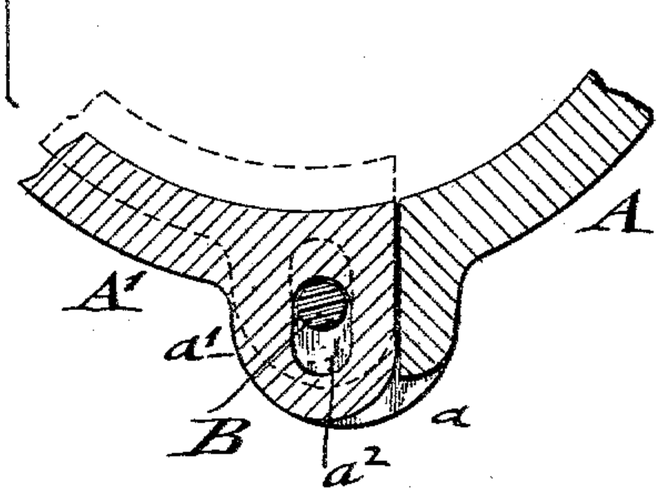


Fig: 3.

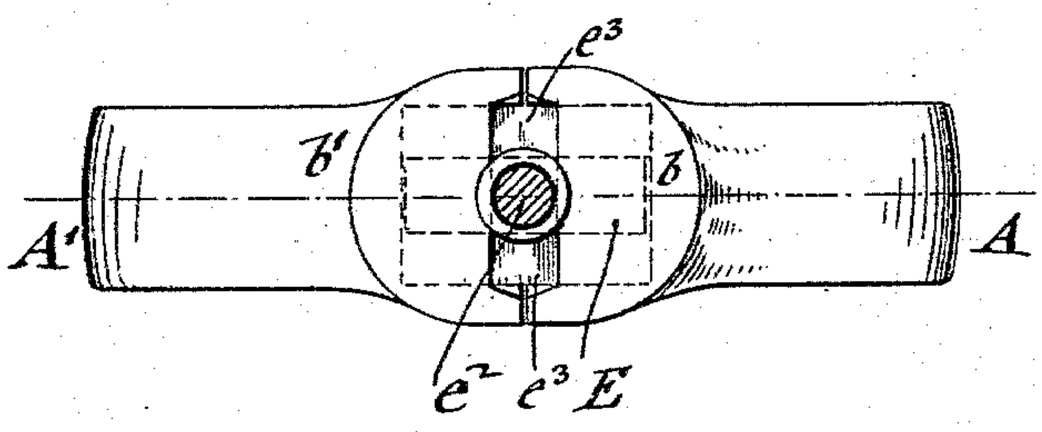
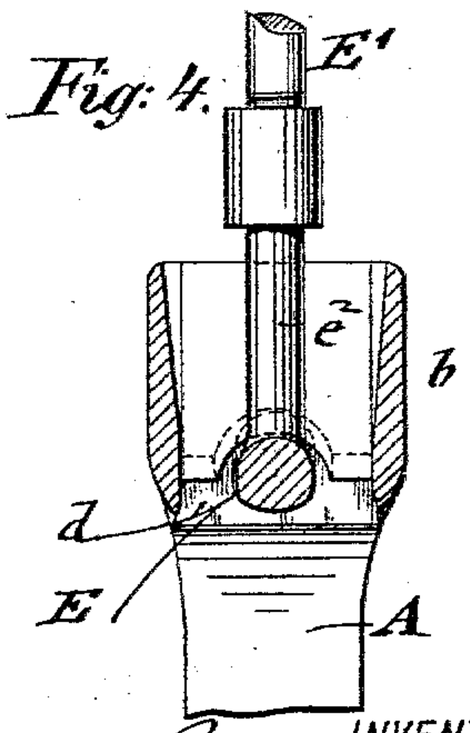


Fig: 4.



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HANGER FOR STEAM-PIPES.

SPECIFICATION forming part of Letters Patent No. 515,922, dated March 6, 1894.

Application filed June 20, 1893. Serial No. 478,231. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN O'BRIEN, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Hangers for Steam-Pipes, &c., of which the following is a specification.

This invention has reference to an improved hanger for steam and other pipes, by which not only a reliable support for the steam-pipe is provided, but also provision made for the expansion and contraction of the same.

The invention consists of a hanger for steam-pipes composed of two semi-circular sections which are jointed at the lower end by a transverse pivot which is passed through perforated ears of one section and engaged by the intermediate ear of the other section, which ear is provided with an elongated slot so that the ear is locked to or released from the lower end of the recessed section. The upper ends of the hanger-sections are supported by tapering recesses on the upwardly-flaring and rounded off lugs of a suspensor-piece, that is attached to the lower end of the suspension-tube or rod, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a side-elevation of my improved hanger for steam-pipes. Fig. 2 is a vertical section of the same, taken on a plane passing through the center of the entire hanger. Fig. 3 is a plan view of Fig. 1, and Fig. 4 is a vertical transverse section taken on lines 4, 4, Fig. 2.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A and A′ represent the semi-sections of my improved hanger for steam and other pipes. Each section is made of nearly semi-circular shape, the section A being provided at its lower end with a central recess and with two perforated ears $a\,a$ for the transverse pivot B, as shown clearly in cross-section in Fig. 2. The second section A′ is hinged to the bolt B by means of an ear a' which enters into the recess between the ears of the section A, the ear a' being provided with an elongated opening a^2 through which the pivot B is passed. The upper ends of the sections A, A′, are made in the form of semi-circular sockets $b\,b'$, which are provided at their inner lower corners with rounded off and upwardly flaring recesses $d\,d'$, that engage the upwardly flaring and rounded off lugs $e\,e'$, of the suspension-piece E, which is made approximately of inverted T-shape and provided with a threaded shank e^2, to which the suspension-rod or tube E′ for the hanger is screwed.

The hanger A A′ is readily applied to the steam-pipe and the suspension-piece E by raising the semi-section A′ on the pivot B into the position shown in dotted lines in Fig. 2, in which position the section A′ can readily swing on the pivot B into lateral position, whereby the insertion of the suspension-piece into the socket-recesses $d\,d'$ is rendered possible. For locking the section A′ it is returned in downward direction until the pivot B arrives at the upper end of the elongated slot a^2 and the straight side of the ear e' abuts against the straight side of the recess between the ears $a\,a$, as shown in Fig 2, whereby the hanger is firmly locked in position. The recessed semi-sockets $b\,b'$ at the upper ends of the sections A A′, engage thereby the flaring lugs of the suspension-piece E, and form thereby a rigid support for the steam or other pipe to be supported by the hanger.

As the hanger A A′ can readily swing on the rounded off lugs $e\,e'$ in the oblong recess e^3 formed by the recessed faces of the semi-sockets $b\,b'$ of the sections A A′, the hanger can adapt itself readily to the expansion or contraction of the steam-pipe without interfering therewith.

The hanger can be suspended at any distance from the ceiling by using a longer or shorter suspension-rod E′. The hanger can be readily applied to or removed from the steam-pipe by the locking or unlocking of the laterally-movable portion A′ on the transverse pivot B, while all the parts can be made in cast-metal with little extra work on the same, so that the hanger can be supplied at comparatively small expense.

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

1. A hanger for steam-pipes, composed of

two semi-circular sections that are connected at the lower end by a transverse pivot, and a suspension-piece having upwardly flaring and rounded off lugs, to which the upper ends of the hanger-sections are fitted, so as to permit the oscillating of the hanger, substantially as set forth.

2. A hanger for steam-pipes, consisting of a semi-section A having perforated ears *a a*, a second semi-section A′ having an ear *a′* at the lower end with an elongated slot and a straight side, a transverse pivot B passing through the ears of one section and the slotted ear of the other section, and a suspension-piece E having flaring and rounded off lugs *e e′* which engage corresponding recesses at the upper ends of the hanger-sections, substantially as set forth.

3. The combination of a hanger, formed of two semi-circular hanger sections connected by a transverse pivot at their lower ends and provided at their upper ends with semi-sockets having flaring recesses at the inner corners, a suspension-piece having upwardly-flaring and rounded off lugs, fitted into the recesses of the semi-sockets, and a suspension rod connected with the shank of said suspension-piece, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

STEPHEN O'BRIEN.

Witnesses:
PAUL GOEPEL,
CHARLES SCHROEDER.