Feb. 1, 1927. 1,616,331

M. OSBORN

STOVEPIPE SEAM

Filed Dec. 6, 1924

Fig. 2.

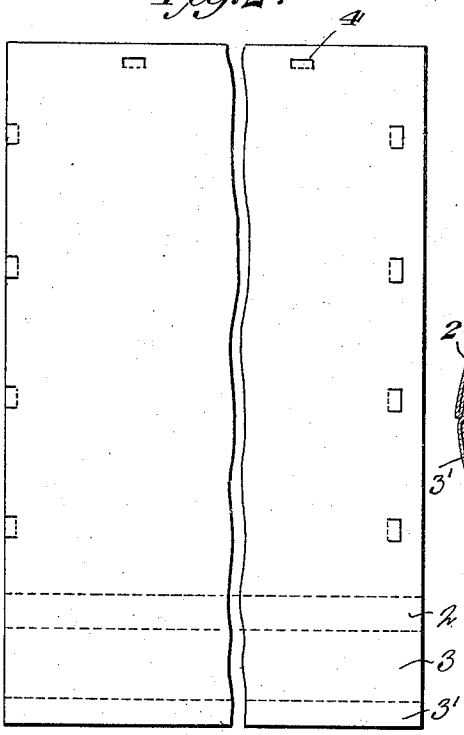
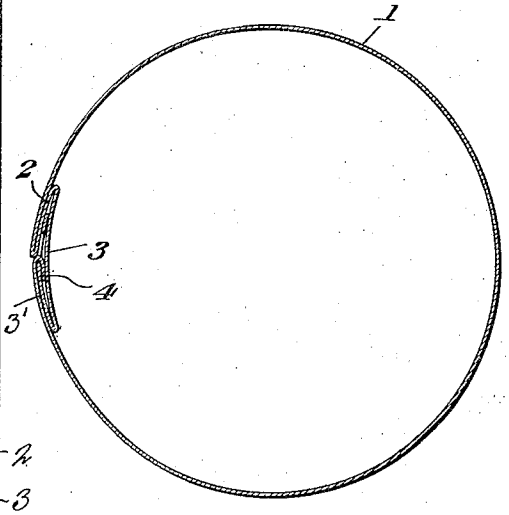


Fig. 1.



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UNITED STATES PATENT OFFICE.

MILTON OSBORN, OF WAYNE CITY, ILLINOIS.

STOVEPIPE SEAM.

Application filed December 6, 1924. Serial No. 754,433.

This invention relates to stove pipes and more particularly to the seam therefor.

The primary object of the invention is to provide a lock joint for stove pipe seams or the like having interlocking means for securing the confronting longitudinal edges thereof together, in an expeditious manner and so that they may be readily disconnected if desired.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

In the drawings,

Figure 1 is a cross sectional view through a pipe section showing the lock seam joint which forms the subject matter of the present invention.

Figure 2 is a fragmentary elevation showing a blank sheet of pipe metal prepared with the longitudinal edge locking means arranged before being bent to operative position.

Referring to the drawings in detail the reference numeral 1 indicates a pipe section which is formed from a single sheet of metal having one longitudinal edge bent inwardly upon itself to form a flanged member including a flange 2, a substantially arcuate shape body portion 3, having a flange 3′ formed thereon and terminating in spaced relation with the body portion, to provide recess to receive the spaced hook tongues 4 which are formed adjacent to the opposite longitudinal edge and are bent inwardly for a fitting engagement with the flange 3′ and being disposed between the flange 3′ and body portion 3.

It should be noted that the tongues 4 are formed in the sheet inwardly from the outer edge thereof so as to provide an adequate overlapping portion.

This invention provides an article which makes it possible to sell to the public a pipe for a stove in sheet formation, as suggested in Figure 2 of the drawings. In forming the seam of the locking means, it is only necessary to bend the tongues and flange member in position as shown in Figure 1 and to roll the sheet in pipe formation. The tongues 4 and flange member being resilient from the inherent nature of the metal, they will have a tendency to interlock when brought into contacting engagement. The flange member which includes the flange 2, body portion 3, and flange 3′ is to be curved to follow against the inner side of the pipe body so as to prevent a space for the escape of smoke and the like.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:

A stove pipe section formed from a single sheet of metal rolled in pipe formation, a longitudinally disposed cross sectional flange member on one longitudinal edge of said pipe section, a body portion on said flange, a second flange on said body portion, a plurality of spaced hooked tongues arranged in parallelism adjacent to the opposite longitudinal edge of said pipe section and adapted to be received between the second mentioned flange and the body portion respectively, while the longitudinal edge is disposed between the first mentioned flange and the body portion, and said flanges and body portion being curved to follow the curvature of the pipe section so as to provide a leak proof connection.

In testimony whereof I affix my signature.

MILTON OSBORN