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1,542,553

G. H. HORNBECK

STOVEPIPE CONNECTION

Filed Nov. 6, 1924

Fig. 1.

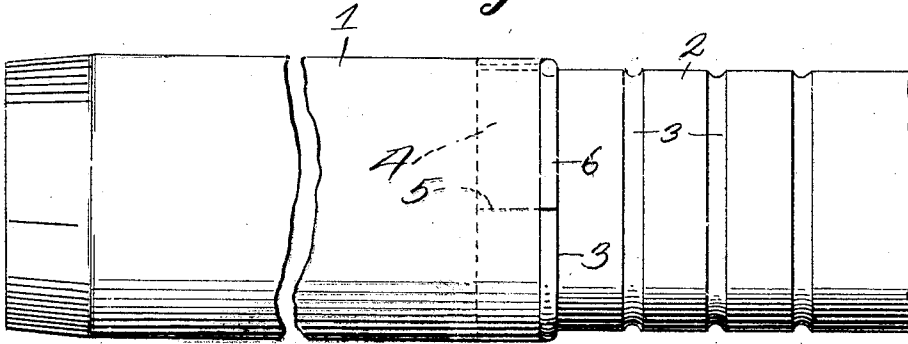


Fig. 2.

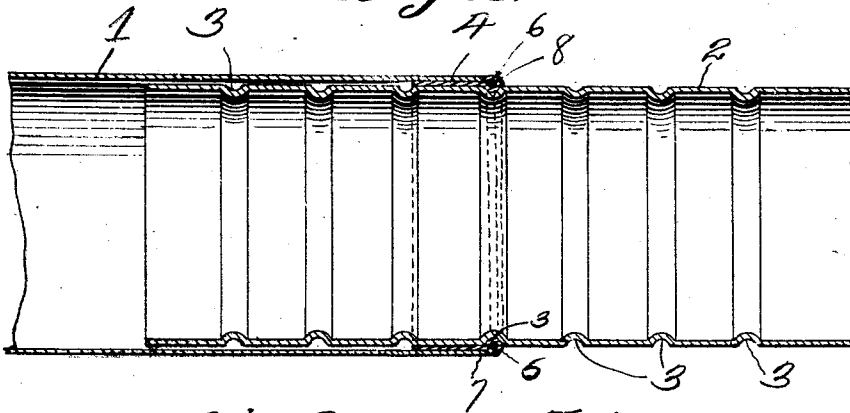


Fig. 3.

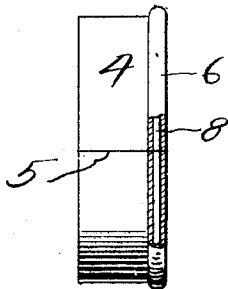
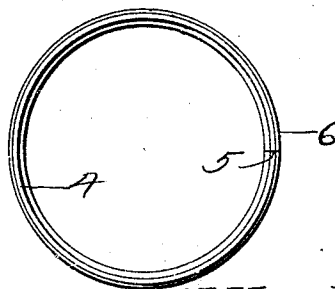


Fig. 4.



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STOVEPIPE CONNECTION.

Application filed November 6, 1924. Serial No. 748,137.

To all whom it may concern:

Be it known that I, GEORGE H. HORNBECK, a citizen of the United States, residing at Cuba City, in the county of Grant, State of Wisconsin, have invented a new and useful Stovepipe Connection; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to stove pipe connections and has for its object to provide a slide joint connection for telescopically engaged stove pipe sections, and which connection forms means for limiting the telescopic engagement of the section and provide means whereby the stove pipe as a whole may be made any length desired.

A further object is to provide a connection for telescopically engaged ends of stove pipe sections, and which connection comprises a split sleeve surrounding an inner pipe section between said inner pipe section, and the inner periphery of the outer pipe section and provided on its outer end with a wire reinforced roll adapted to be received in any of a plurality of annular grooves carried by the inner pipe section, and at the same time forms a shoulder for limiting the inward movement of the outer section.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a side elevation of a stove pipe, showing the connection applied thereto.

Figure 2 is a vertical longitudinal sectional view through the stove pipe.

Figure 3 is a side elevation of a split sleeve showing a portion of the roll broken away.

Figure 4 is a view in elevation of the inner end of the sleeve.

Referring to the drawing, the numeral 1 designates the outer pipe section which may be of any length and 2 the inner pipe section of any length desired, which sections are to be joined together for making a tight joint. Pipe section 2 extends into the pipe section 1 and is provided with a plurality

of grooves 3 extending entirely around the same. Surrounding the pipe section 2 between the outer periphery thereof and the inner periphery of the outer pipe section 1 is a split sleeve 4, which sleeve is of sufficient thickness to close the space between the pipe sections 1 and 2, as clearly shown in Figure 2, and by being split at 5, the sleeve can be easily passed over the pipe section 2, and easily moved longitudinally thereon into a position shown in Figure 2. Sleeve 4, at its outer end is provided with a roll 6, which extends inwardly and outwardly in relation to the inner and outer periphery of the sleeve, therefore it will be seen that a shoulder is formed by the outer side of the roll with which the end 7 of the pipe section 1 engages a shoulder which is received in one of the annular grooves 3 of the pipe section 2, consequently the sleeve not only limits the inward movement of the outer pipe section 1, but also positively holds the inner section against inward movement, and consequently a rigid pipe section is provided. A split ring 8 is disposed within the roll 6 and prevents crushing of the roll as well as adds rigidity to the spring action and sleeve as a whole, thereby maintaining the sleeve in position during the assembling of the parts.

The device allows a stove pipe as a whole to be easily and quickly lengthened or shortened as desired and the stove pipe as a whole and its sections may be of any length desired. However for purposes of illustration relatively short pipe sections are shown.

From the above it will be seen that a pipe connection is provided, which is simple in construction, may be easily and quickly applied to the pipe sections and constructed in a manner whereby the pipe as a whole may be easily lengthened or shortened without the use of special tools, as it is only necessary to force the sections 1 and 2 axially away from each other, move the sleeve 4 to the desired position with its bead 6 in the desired groove 3, and then force the sections together.

The invention having been set forth what is claimed as new and useful is:—

1. A pipe connection comprising an outer pipe section, an inner pipe section extending into the outer pipe section in spaced relation thereto, a split sleeve disposed within the end of the outer section and surrounding the inner section, a bead carried by the outer end of said sleeve, said bead engaging

the adjacent end of the outer pipe section and disposed in an annular channel of the inner pipe section.

2. A pipe connection comprising an outer
5 pipe section, an inner pipe section extending
into the outer pipe section in spaced relation thereto, a split sleeve disposed within
the end of the outer section and surrounding
the inner section, a bead carried by the
10 outer end of the sleeve and engaging the
end of the outer pipe section and disposed

in one of a plurality of annular grooves carried by the inner pipe section, and a split reinforcing ring disposed within the bead.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

GEORGE HENRY HORNBECK.

Witnesses:

W. G. WIMMER,
H. D. MELOY.