No. 839,498. PATENTED DEC. 25, 1906.

W. MILLAR.

COMPENSATING STOVEPIPE JOINT AND COUPLING.

APPLICATION FILED APR. 18, 1904.

FIG. 1.

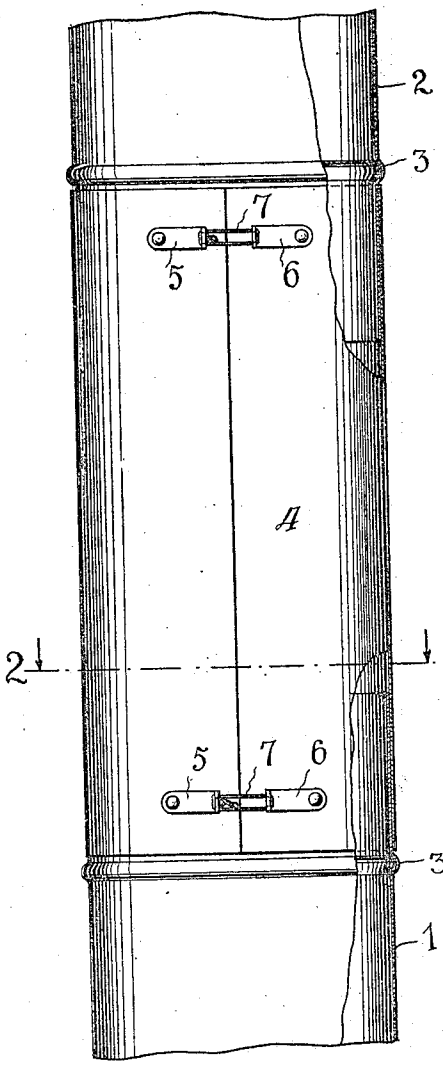



FIG. 2.

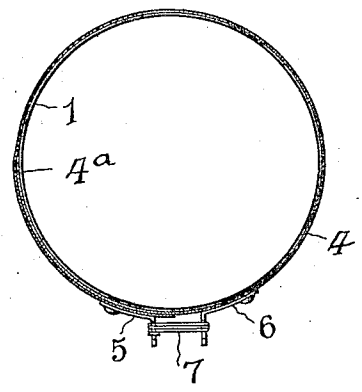



FIG. 3.

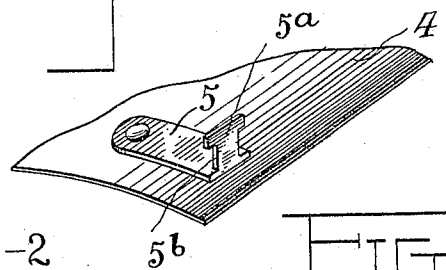
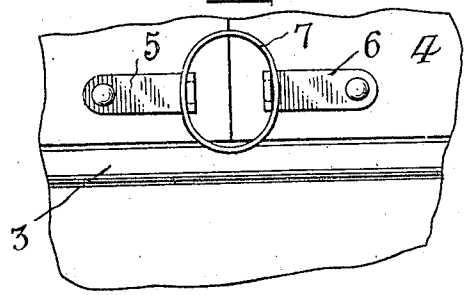



FIG. 4.




Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM MILLAR, OF NEW HAMBURG, ONTARIO, CANADA.

## COMPENSATING STOVEPIPE JOINT AND COUPLING.

No. 839,498. Specification of Letters Patent. Patented Dec. 25, 1906.

Application filed April 18, 1904. Serial No. 203,542.

*To all whom it may concern:*

Be it known that I, WILLIAM MILLAR, a subject of the King of Great Britain, residing at New Hamburg, in the county of Waterloo, Province of Ontario, Canada, have invented certain new and useful Improvements in Compensating Stovepipe Joints and Couplings; and I do hereby declare that the following is 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.

My invention relates to improvements in pipe-coupling; and it consists in the constructions, combinations, and arrangements herein described and claimed.

An object of my invention is to provide an improved pipe-coupling adapted to be quickly and conveniently applied for connecting two pipe-sections of the same or different diameters.

A further object of my invention is to provide an improved pipe-coupling constructed to be held in engagement with the connected pipe-sections by resilient means, whereby the maintenance of a close connection will be assured and danger of the coupling becoming loose or distorted by use be eliminated.

In the accompanying drawings, forming a part of this application, and in which similar reference-symbols indicate corresponding parts in the several views, Figure 1 is an elevation, partly broken away, illustrating one embodiment of my invention. Fig. 2 is a sectional view on the line 2 2 of Fig. 1. Fig. 3 is a detail perspective view, on a larger scale, clearly illustrating the construction of my preferred form of attaching-lugs for engagement by the resilient clamping-ring; and Fig. 4 is a detail elevation illustrating my preferred construction provided with a resilient clamping-ring engaging the pairs of cooperating attaching-lugs.

Referring to the drawings, 1 and 2 indicate stovepipe-sections connected by my improved pipe-coupling 4. The coupling 4 is constructed overlapping, as shown at $4^a$ in Fig. 2, and is provided with two sets of coöperating attaching means 5 and 6. The attaching means are suitably secured to the coupling, as by rivets, and are provided with angularly-extending lugs $5^b$, having enlarged heads $5^a$ for engagement by a resilient clamping-ring 7.

In the operation of my invention the pipe-coupling 4 is placed about the adjacent ends of the two sections of stovepipe and the resilient clamping-ring 7 snapped into engagement with each of the pairs of coöperating lugs.

It will be noted that the angularly-extending lugs are constructed to support the resilient clamping-ring out of contact with the coupling 4, thereby obviating binding of the resilient clamping means against the coupling 4 when the attaching-lugs are separated more or less upon expansion of the coupling to accommodate pipe-sections of different diameters.

In the above description it will be seen that my invention provides an improved pipe-coupling adapted to be conveniently applied or detached and provided with a resilient clamping means for yieldingly maintaining the coupling in close contact with the connected pipe-sections. Further, it will be clear that the overlapping construction of my pipe-coupling, in combination with the yielding resilient clamping-ring 7, adapts my coupling for very efficient use in connecting two pipe-sections of different diameters.

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

1. A pipe-coupling provided with overlapping edges, coöperating sets of attaching-lugs secured to said coupling and extending angularly thereto, and resilient clamping means engaging said angularly-extending lugs and supported by the latter out of contact with said couplings, substantially as described.

2. A pipe-coupling provided with overlapping edges, coöperating sets of attaching-lugs secured to said coupling and extending angularly thereto, and resilient rings engaging coöperating pairs of said angularly-extending lugs and supported by the latter out of contact with said couplings, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

WILLIAM MILLAR.

Witnesses:
LOUIS E. MERNER,
IRWIN A. BERNHARDT.