

F. R. Wegman,

Pipe Coupling.

No. 91,291.

Patented June 15, 1869.

Fig. 1

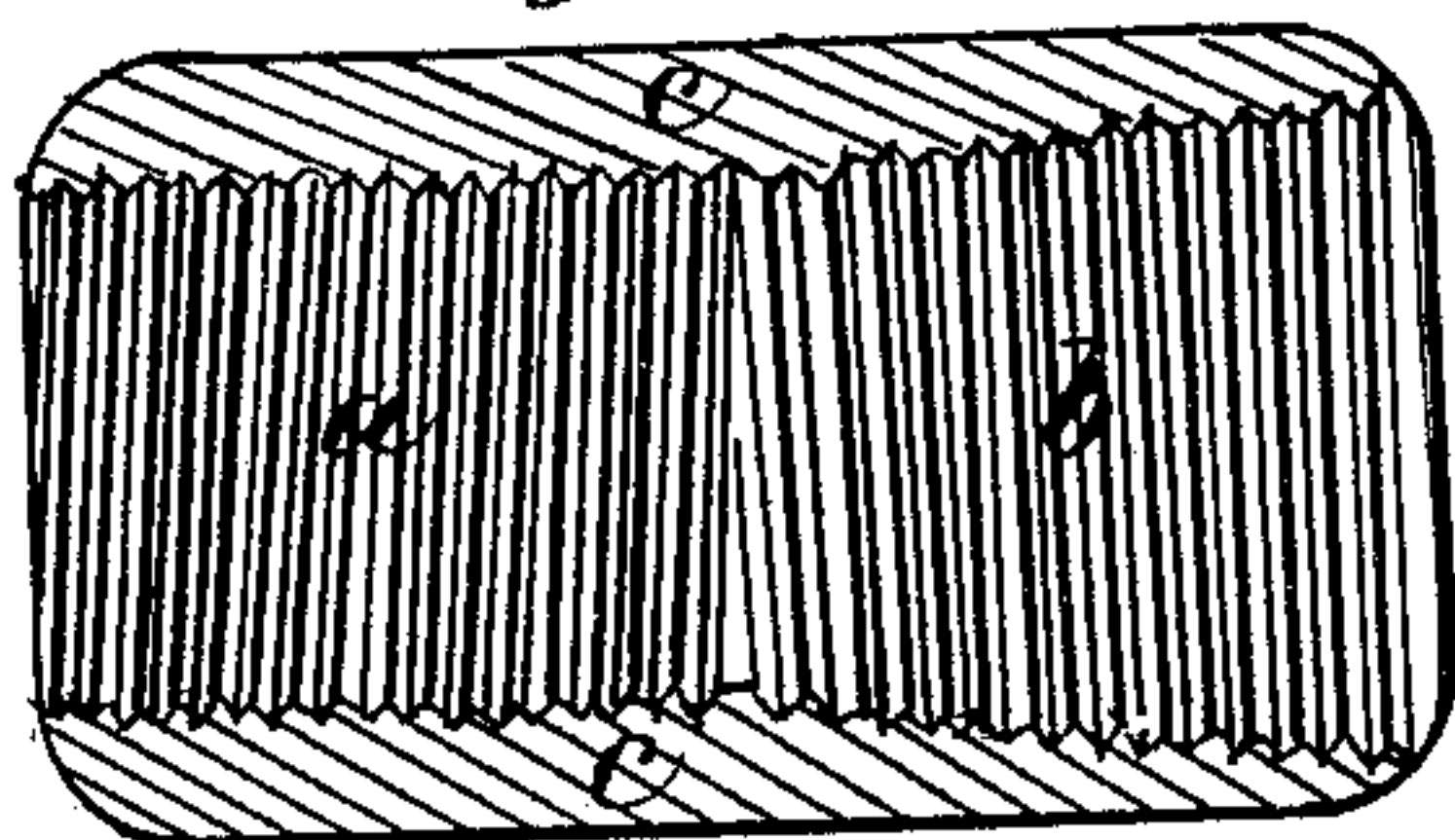
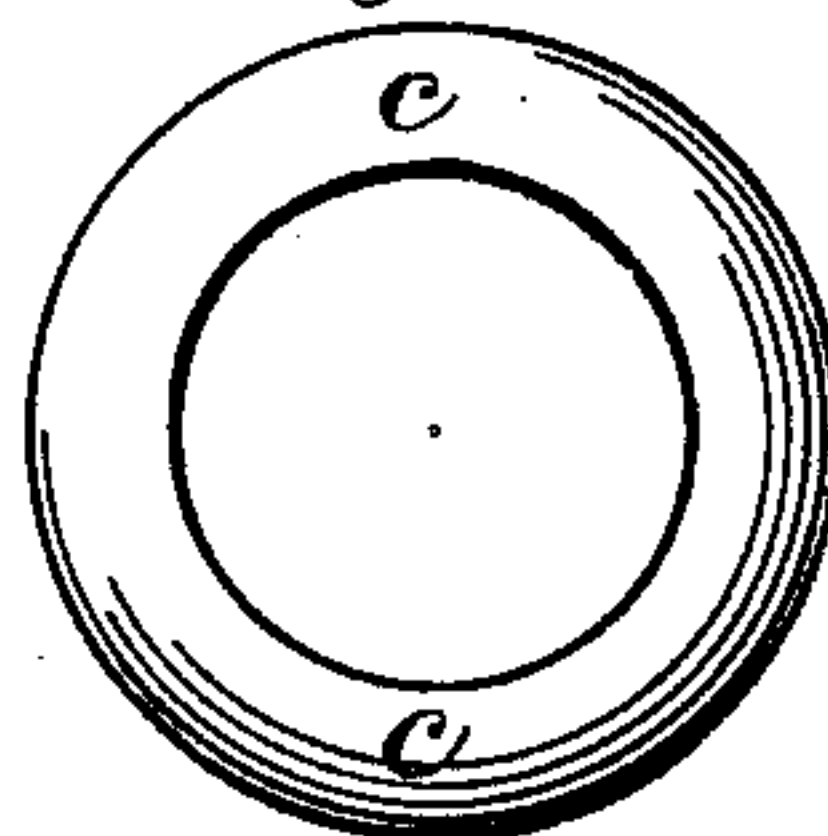


Fig. 2



Witnesses

A. Thomas

Theo. G. Ellis.

Inventor

Franz R. Wegman

United States Patent Office.

FRANZ RUDOLPH WEGMAN, OF HARTFORD, CONNECTICUT, ASSIGNOR TO HIMSELF
AND FREDERICK C. HYDEL, OF SAME PLACE.

Letters Patent No. 91,291, dated June 15, 1869.

IMPROVEMENT IN PIPE-COUPPLINGS.

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, FRANZ RUDOLPH WEGMAN, of Hartford, in the county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Couplings for Pipes; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

Figure 1 is a longitudinal section through the middle of my improved coupling.

Figure 2 is an end view of the same from the left of fig. 1.

My invention has for its object, the coupling together of lead and iron pipes, which frequently becomes necessary in plumbers' work.

It consists in a coupling, *c*, of cast-iron, or other metal, into which the ends of the pipes are secured by means of right and left-handed screw-threads, *a* and *b*, each of which extends about half way into the coupling; but my invention differs from an ordinary pipe-coupling in having one of the threads *b* cut upon a taper, diminishing from the outside towards the middle. Into this taper nut, a lead pipe can be screwed and held fast without any thread having been previously cut upon it.

An ordinary lead-pipe cannot be screwed tightly into a cylindrical thread, as the metal is so soft that the

part already entered into the nut, works loose by the turning, and soon tears off the thread already formed, if the turning is continued. My improved coupling, on the contrary, will hold the pipe firmly, and the thread will not strip.

The operation of my improved coupling is as follows:

When it is desired to connect the ends of an iron and a lead pipe, the two ends are entered into the coupling in the ordinary manner, a screw-thread corresponding to that of the coupling having been previously cut upon the iron pipe, and the coupling is then turned up until the ends of the pipes meet within it. In some cases it is better to turn the coupling on to the lead pipe first, in order to cut the thread upon it. The coupling then turns more easily when the pipes are connected.

Claim.

I claim, as my invention—

A pipe-coupling of hard metal, having one end or portion of it straight, and interiorly screw-threaded, and the other end or portion somewhat conical or flaring, and interiorly screw-threaded in an opposite direction

FRANZ R. WEGMAN.

Witnesses:

A. THOMANN,
THEO. G. ELLIS.