No. 848,139. PATENTED MAR. 26, 1907.

G. STUPPAR.

DEVICE FOR MENDING PIPES.

APPLICATION FILED MAR. 9, 1906.

Fig. 1.

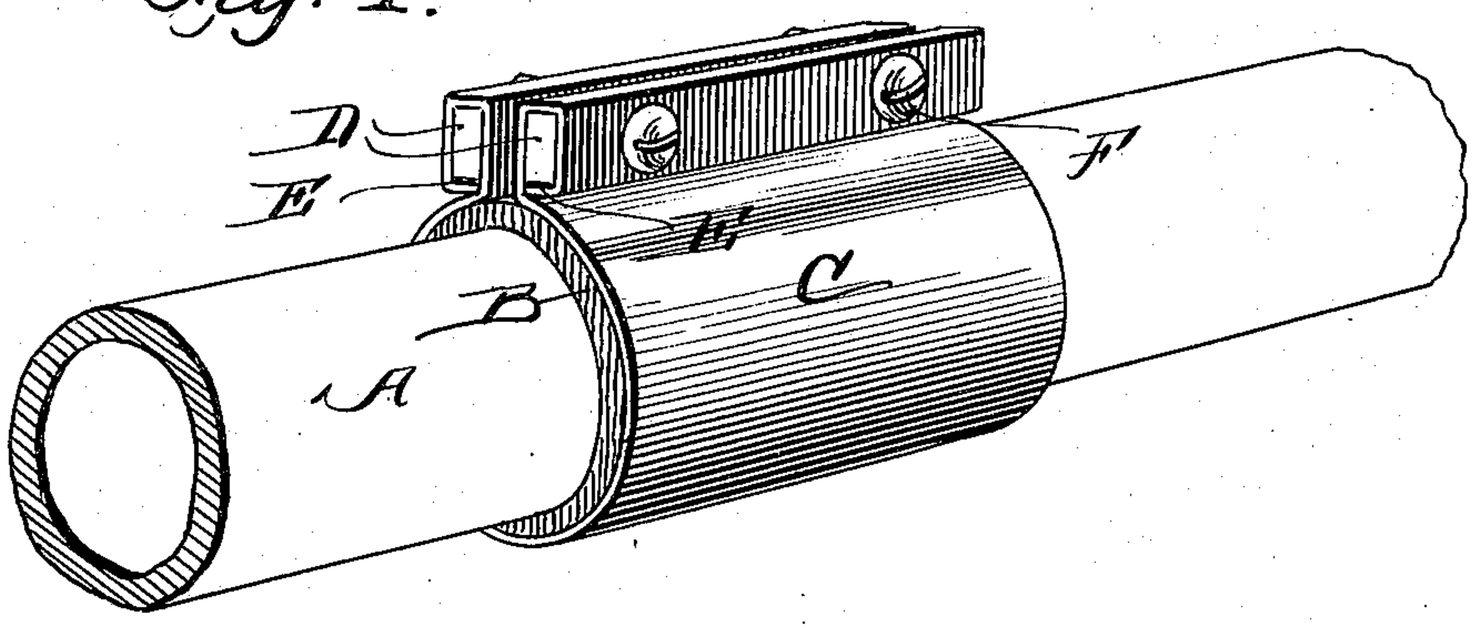


Fig. 2.

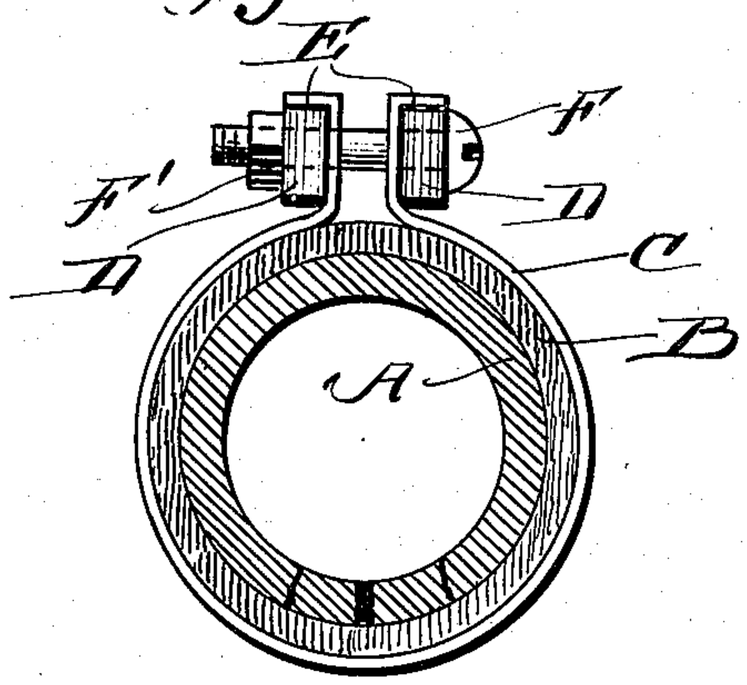


Fig. 3.

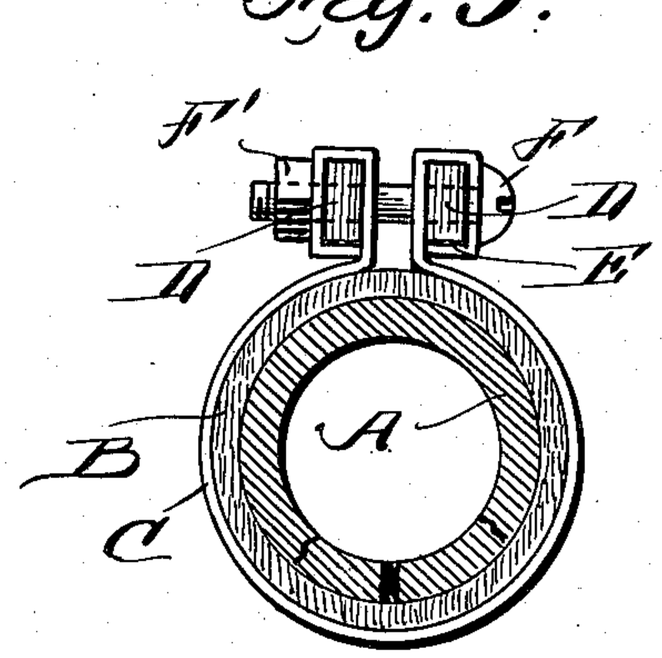


Fig. 4.

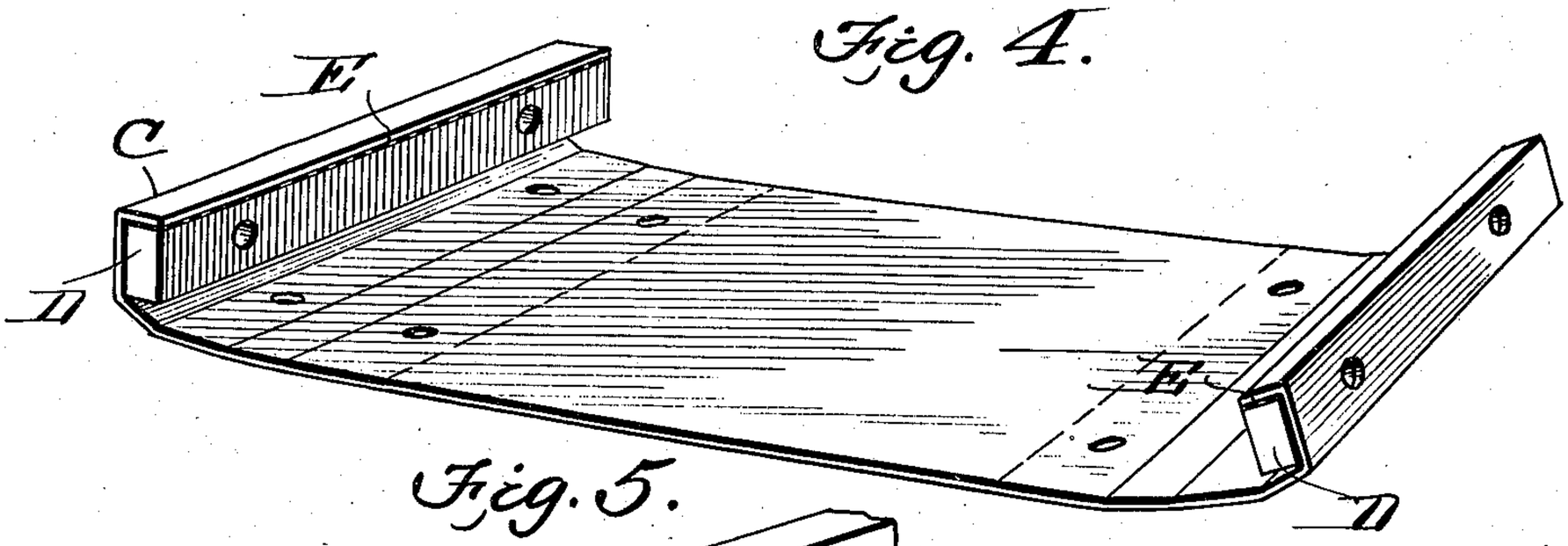
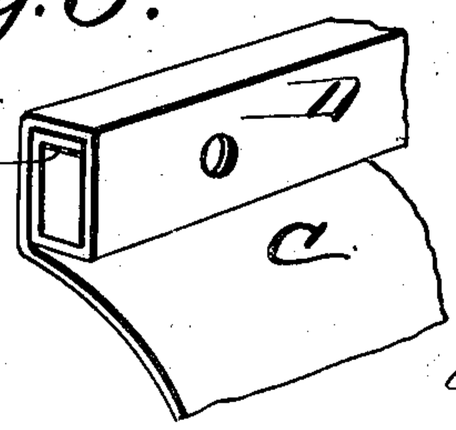


Fig. 5.



WITNESSES:

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GOTTFRIED STUPPAR, OF SOUTH CHICAGO, ILLINOIS.

DEVICE FOR MENDING PIPES.

No. 848,139. Specification of Letters Patent. Patented March 26, 1907.

Application filed March 9, 1906. Serial No. 305,141.

To all whom it may concern:

Be it known that I, GOTTFRIED STUPPAR, a citizen of the United States, residing at South Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in a Device for Mending Pipes, of which the following is a specification.

The object of this invention is to provide a ready means for stopping a leak in a water or steam pipe or in a hose.

The invention consists of a suitable packing material and a pliable metal covering adapted to hold the packing material in place, and two hard-metal bars to which the ends of the pliable metal strip are secured, together with means for securing the metal bars to each other.

In the accompanying drawings, Figure 1 is a perspective view showing the application of my invention. Fig. 2 is a cross-section through a pipe showing an end elevation, my device applied thereto. Fig. 3 is a similar view in which the end portions of the pliable metal strip are folded about the hard-metal bars. Fig. 4 is a perspective view showing the metal strip and bars preparatory to placing the same upon a pipe. Fig. 5 is a detail outline perspective showing a portion of the strip and of one bar, and showing the strip wound around the bar.

In the drawings, A represents the pipe to be repaired, and C represents a strip of pliable metal—such as tin—and B is packing material of any desired kind. D represents two metal bars, and I prefer to have the same made of steel. In applying the device the packing B is placed around the pipe so as to cover the break, and the end portions of the strip C are soldered to the bars D, as indicated at E. The bars D are wrapped within the end portions of the strip C, so as to enfold the bars more or less. Suitable perforations are then drilled through the tin and the bars and the metal strip C is carried around the pipe A and over the packing material B. Bolts F are then passed through the perforations, each bolt passing through each of the bars D, and nuts F′ are screwed on the bolts. This draws the bars and ends of the strip together and tightly binds the strip C and the packing material around the pipe.

It will be obvious that by wrapping the ends of the strip C more or less about the bars D the length of the strip between the bars will be regulated so that it will be the right length for pipes of various diameters, and the smaller the pipe the more the end portions of the strip will be wrapped about the bars D.

It will also be obvious that if the bars D were omitted and the bolts F and nuts F′ were applied only to the metal strip C the strip would be liable to tear out, or it would have to be made of a heavier material than desirable, thereby making it less easy to fit it snugly about the pipe and packing. By soldering the ends of the strip to the bars D the strip and bars are held in their proper relative positions while being put into position about the pipe.

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

1. A pipe-mending device comprising a strip of pliable metal, metal bars permanently secured to the ends of said strip adapted to be enfolded therein to adjust the length of the strip to pipes of various diameters, and means for locking said bars together, as set forth.

2. A pipe-mending device comprising a pair of metal bars, a strip of pliable metal firmly secured to and adapted to be wrapped around said bars to regulate the length of the strip to pipes of various diameters, a suitable packing material, and means for locking the bars, as set forth.

GOTTFRIED STUPPAR.

Witnesses:

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W. FRANK WALKOWISK.