

Feb. 3, 1925.

1,524,935

E. E. JOHNSON
METHOD OF MAKING COUPLINGS

Filed Feb. 27, 1922

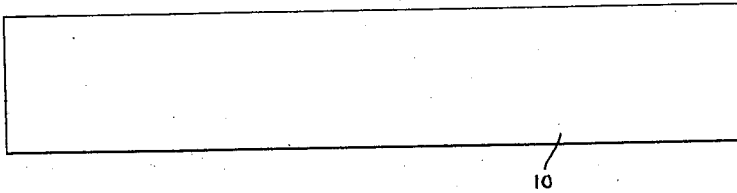


FIG-1.

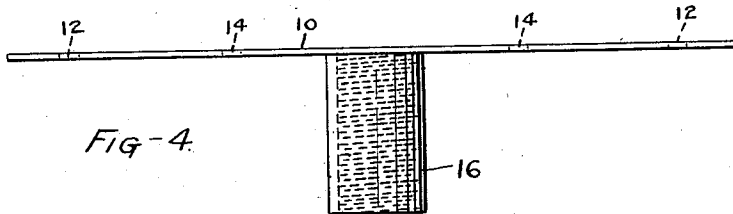
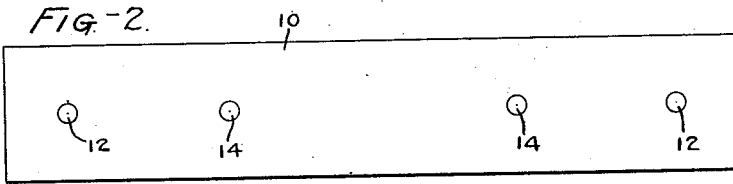


FIG-4.

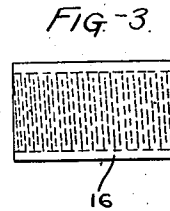


FIG-3.

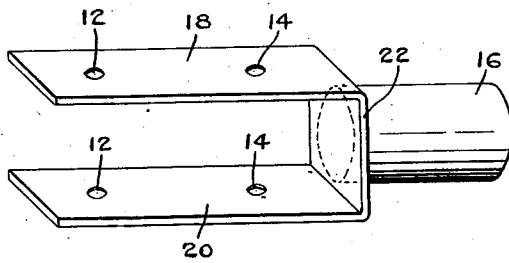


FIG-5.

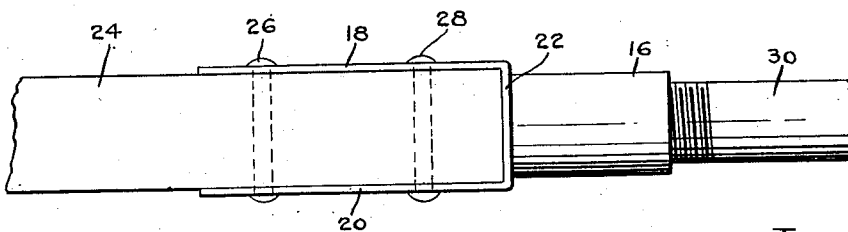


FIG-6.

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UNITED STATES PATENT OFFICE.

EDWARD E. JOHNSON, OF ST. PAUL, MINNESOTA.

METHOD OF MAKING COUPLINGS.

Application filed February 27, 1922. Serial No. 539,432.

To all whom it may concern:

Be it known that I, EDWARD E. JOHNSON, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Methods of Making Couplings, of which the following is a specification.

My invention relates to methods of making couplings, and has for an object to provide a coupling having wings adapted to clasp and be secured to a wooden rod or shaft and having a threaded cylindrical portion adapted to be secured to the threaded end of a metal rod. The method of my invention consists in providing a strip of sheet metal, butt-welding a section of pipe to said strip and bending the end portions of the strip to form clasp wings.

The full objects and advantages of my invention will appear in connection with the detailed description, and the novel features embodied in my inventive idea will be particularly pointed out in the claims.

In the drawings which illustrate successive stages in the performance of my method, Fig. 1 is a face view of a blank of sheet metal of the proper size. Fig. 2 is a face view showing the blank or strip provided with holes which are to be used in attaching one end of the finished coupling. Fig. 3 is a side elevational view of a section of pipe which has been threaded. Fig. 4 is an elevational view showing the pipe section of Fig. 3 butt-welded to the metal strip. Fig. 5 is a view in so-called perspective showing the coupling after it has been finished by bending the two end portions of the strip at right angles to form wings. Fig. 6 is an elevational view showing the coupling attached to contiguous ends of two rods for connecting the rods together.

In carrying out my invention, a strip or blank 10 such as shown in Fig. 1 is cut to the desired size from sheet metal or otherwise formed in any suitable manner from sheet metal, and this strip is preferably provided with pairs of holes such as 12 and 14, the holes being so disposed that the two holes of a pair will register with each other in the finished article. A section of pipe 16 of the proper length and size is screw-threaded and butt-welded to the middle por-

tion of the strip 10 as shown in Fig. 4. The two end portions of the strip 10 are bent at right angles as shown in Fig. 6 to form wings 18 and 20 connected by a base portion 22 to which the pipe section 16 has been welded. The manner of using my coupling is illustrated in Fig. 6. One end of a wooden rod 24 of the desired length is placed between the clasp wings 18 and 20 and is secured thereto in suitable manner as by means of rivets 26 and 28 passing through the pairs of holes 12 and 14 respectively. The threaded end of a metal rod 30 of the desired length is screwed upon the threads of the pipe section 16. My method provides a particularly strong and effective coupling for this purpose which is much less liable to break in use than castings since the rolled or drawn metal which I employ is tough and ductile enough to permit considerable flexing without breaking.

I claim:

1. The method of making couplings which consists in providing a strip of sheet metal, butt-welding a section of pipe to the middle portion of said strip and bending the end portions of said strip to form wings.

2. The method of making couplings which consists in providing a strip of sheet metal, securing a rod-attaching member to the middle portion of said strip and bending the end portions of said strip to form wings.

3. The method of making couplings which consists in cutting a strip from sheet metal, screw-threading a section of pipe, butt-welding said section of pipe to the middle portion of said strip, and bending the end portions of said strip at right angles to form wings which are disposed parallel to each other.

4. The method of making couplings which consists in cutting a strip from sheet metal, providing said strip with pairs of corresponding holes, screw-threading a section of pipe, butt-welding said section of pipe to the middle portion of said strip, and bending the end portions of said strip at right angles to form wings which are disposed parallel to each other.

In testimony whereof I hereunto affix my signature.

EDWARD E. JOHNSON.