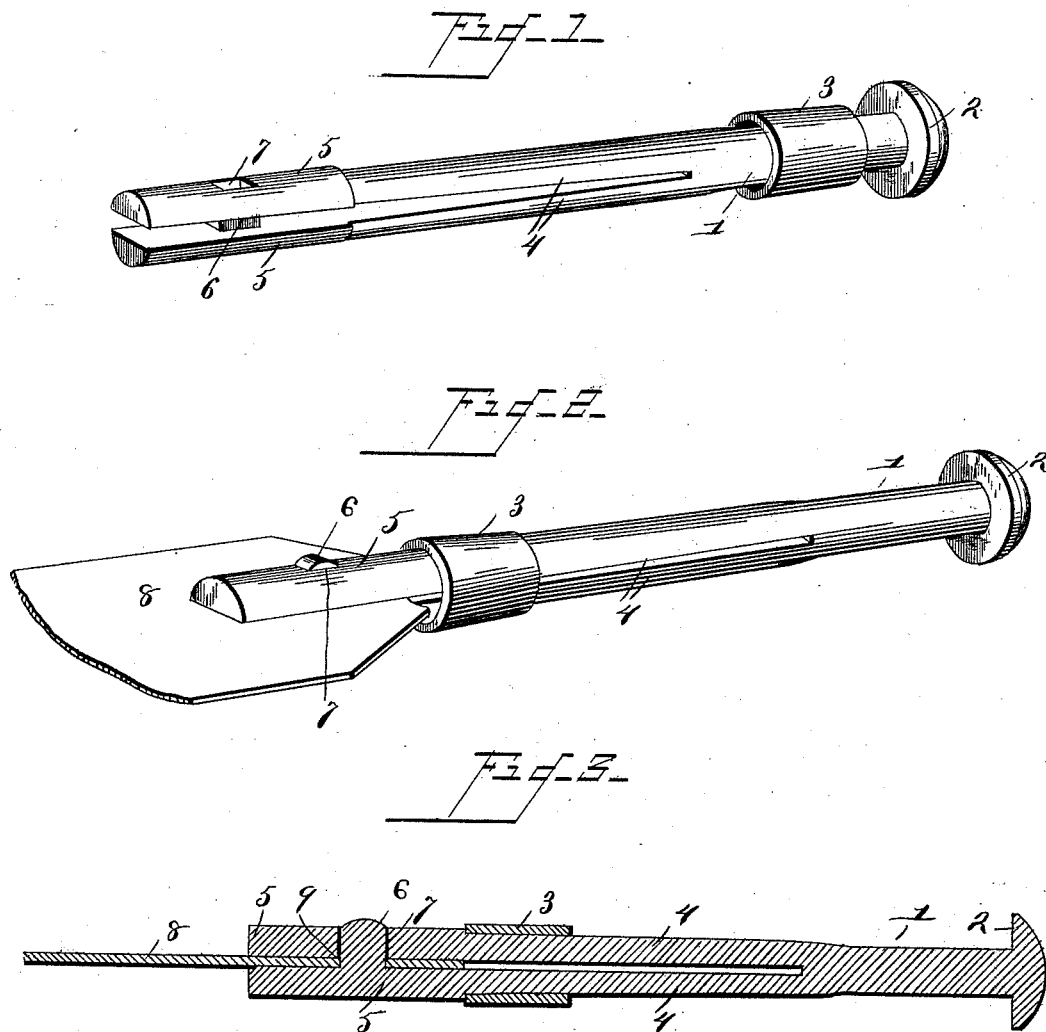


(No Model.)

J. F. ORDNER.
TAG.

No. 423,177.

Patented Mar. 11, 1890.



Witnesses:

Geo. E. Frick.
W. S. Small

Inventor
Joseph F. Ordner

By *his* Attorneys.

CA Snow & Co.

UNITED STATES PATENT OFFICE.

JOSEPH FRANCES ORDNER, OF McKEESPORT, PENNSYLVANIA, ASSIGNOR
OF TWO-THIRDS TO W. E. BURNS AND F. W. TORREYSON, OF SAME
PLACE.

TAG.

SPECIFICATION forming part of Letters Patent No. 423,177, dated March 11, 1890.

Application filed December 21, 1889. Serial No. 334,509. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH FRANCES ORDNER, a citizen of the United States, residing at McKeesport, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Tag, of which the following is a specification.

This invention has relation to tagging devices for manipulating sheet metal during the process of heating the same prior to drawing the metal into pipes during the manufacture of the same.

The objects of the invention are to effect a saving in the time and labor and other accessories necessary to the operation commonly known as "tagging," which heretofore consisted in heating and welding the tagging-handle to the sheet of metal to be heated, whereby the latter could be manipulated in the furnace. This operation of tagging was carried on in a tagging-furnace, and aside from the time and labor expended in the operation necessarily included a tag-furnace, extra fuel, &c.

To accomplish the above objects and obviate the subsequently-stated objections is, therefore, the main object of my invention; and the same consists, broadly, in a handle provided with steel jaws or bifurcations adapted to embrace the sheet to be heated, said jaws being provided in exterior faces or sides with tapered binding-surfaces encircled by a sliding collar, and one of the jaws near its free end provided with a lug designed to take through an opening formed in the blank to be heated, and through a registering-opening formed in the opposite jaw.

Referring to the drawings, Figure 1 is a perspective of a tag constructed in accordance with my invention. Fig. 2 is a similar view, the same being applied to a blank-sheet. Fig. 3 is a longitudinal section of the same.

Like numerals of reference indicate like parts in all the figures of the drawings.

The tag is formed of a cylindrical billet, which is tapered from its lower end toward

its upper end, forming at the latter a handle 1, terminating in an enlarged head 2. The handle is provided with a sleeve 3, which loosely encircles the same and snugly fits the lower tapered portion of the billet. The lower end of the billet is split longitudinally or bifurcated, forming opposite spring bifurcations 4, provided at their lower ends with continuations or steel jaws 5, and adapted to clamp a sheet or blank of metal therein between. One of said jaws is provided upon its inner face with a lug 6, which takes into a correspondingly-shaped opening 7, formed in the opposite jaw.

In employing the tag described the blank of metal 8 is provided with an opening 9 near its edge, which edge is slipped between the jaws 5, the sleeve or ring 3 being slid back upon the handle portion 1 and the lug 6 passed through the opening 9 in the sheet and the opening 7 in the opposite jaw, after which the ring is moved down upon the tapered exterior faces of the bifurcations and binds the jaws closely upon the opposite surfaces of the blank, whereby said blank may be manipulated within the retort and withdrawn therefrom and subjected to the forming-rolls. By withdrawing the ring the jaws will spring apart and release the sheet, and the operation of forming the pipe carried on.

Having described my invention, what I claim is—

1. The herein-described tagging device, comprising a tapered bifurcated billet of metal forming a handle and a pair of opposite jaws, and provided with a ring for binding upon and compressing the jaws, substantially as specified.

2. The herein-described tagging device, comprising opposite jaws, one of which is provided with an opening and the other with a lug upon its inner face for insertion within the opening, and a ring encircling the jaws and adapted to compress the same, substantially as specified.

3. The handle 1, having the tapered bi-

furcations 4, terminating in jaws 5, one of which is provided with an opening 7 and the other with a lug 6, in combination with the sheet 8, having the opening 9 for the reception of the lug, and the binding-ring mounted upon the bifurcations, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH FRANCES ORDNER.

Witnesses:

GILBERT F. MYER,
FRANK W. TORREYSON.