

July 5, 1927.

F. W. SKROCH

1,634,856

ARTICLE LIFTER

Filed Aug. 7, 1925

Fig. 1.

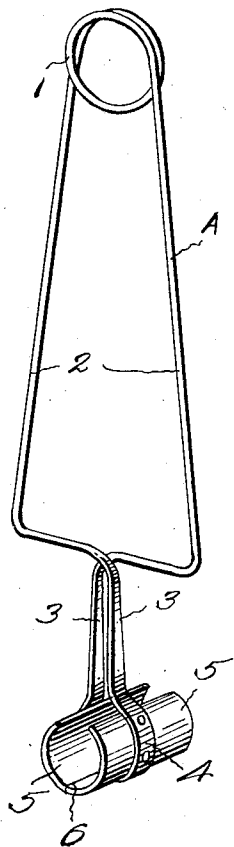


Fig. 2.

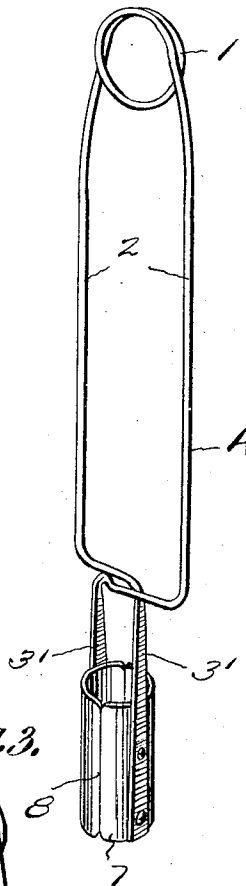
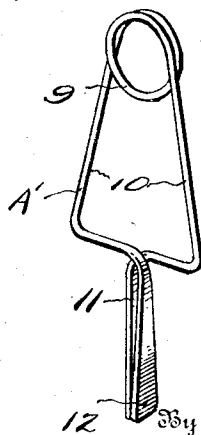


Fig. 3.



WITNESSES

Guy M. Spring

Inventor
FRANK W. SKROCH

Richard Kellern

UNITED STATES PATENT OFFICE.

FRANK W. SKROCH, OF JAMESTOWN, NORTH DAKOTA.

ARTICLE LIFTER.

Application filed August 7, 1925. Serial No. 48,858.

This invention relates to a tool, and has for its object the production of a simple and efficient tool especially adapted for the purpose of picking up hot rivets and putting the rivets in place.

Another object of this invention is the production of an inexpensive tool which will efficiently operate to facilitate the work of iron workers in placing rivets in position and handling the red hot rivets prior to the placing of the rivets within the structural iron work.

Other objects and advantages of the present invention will appear throughout the following specification and claim.

In the drawings:

Figure 1 is a perspective view of the tool.

Figure 2 is a perspective view of a modified form of the tool and

Figure 3 is a perspective view of a still further modified form of the tool.

By referring to the drawings, it will be seen that the tool comprises a handle A, having a spirally-wound coil 1 at its outer end, and terminating in a pair of diverging spring arms 2. These arms 2 each terminate in a forwardly-extending, right-angularly arranged finger 3, and in the structure shown in Figure 1, each finger 3 is provided with a substantially hook-like end 4, to which is riveted or otherwise securely fastened a concavo-convex rivet gripping jaw 5. The oppositely arranged jaws 5 are adapted to abut as indicated at 6, to constitute a closed outer end for the gripping jaws 5 when the same are brought together, this being the normal position caused by the coil 1.

By carefully considering Figure 1, it will be seen that by compressing the two arms 2, the fingers 3 will be forced apart, thereby spreading the jaws 5 apart and permitting the iron worker or other operator to grip a red hot rivet, the formation of the jaws 5 being so arranged as to firmly conform to the contour of the red hot rivet and hold the same against accidental dropping from the jaws 5.

In Figure 2 is will be seen that the handle A is of a similar construction to that shown in Figure 1, wherein like numerals apply to the various parts thereof, the fingers 3',

being formed straight throughout their entire length and being widened toward the lower end. A pair of segmental concavo-convex gripping jaws 7 are secured to the inner faces of the fingers 3' as shown in Figure 2, and these jaws 7 extend longitudinally of the fingers 3' as shown, the respective edges 8 of the jaws 7 abutting to constitute a closed gripping member when the jaws are brought together, or when the arms 2 are released.

In Figure 3 there is shown a still further modified form of the invention, wherein the handle A' comprises a coil 9 at its upper end terminating in diverging arms 10, which arms terminate at their extremities in right angularly extending gripping fingers 11, these fingers being widened at their lower ends, as indicated at 12. From the structure shown in Figure 3, it will be shown that a very simple and efficient tool has been produced, having a pair of gripping fingers 11 which may be used for picking up small articles when it is desired.

From the foregoing description, it will be seen that a very simple and efficient tool has been produced, which may be manufactured at a minimum cost, and which consists of a minimum number of parts.

It should be understood that certain detailed changes may be employed without departing from the spirit of the invention, so long as these changes fall within the scope of the appended claim.

Having described the invention, what is claimed is:

An article holder of the character described comprising a handle constituting a spring at one end terminating in diverging arms, said arms being bent inwardly of their forward ends to set up overlapping right angled portions and having their forward terminals bent to extend forwardly in substantially parallel relation, said forwardly extending terminals being flattened, a pair of substantially semi-cylindrical members arranged in edge opposed relation, and means for securing the flattened terminals across the outer surface of said members.

In testimony whereof I affix my signature.

FRANK W. SKROCH.