No. 743,656. PATENTED NOV. 10, 1903.

A. L. NETTLES & H. S. GLENN.

WORK SUPPORT.

APPLICATION FILED MAR. 21, 1903.

NO MODEL.

Fig. I.

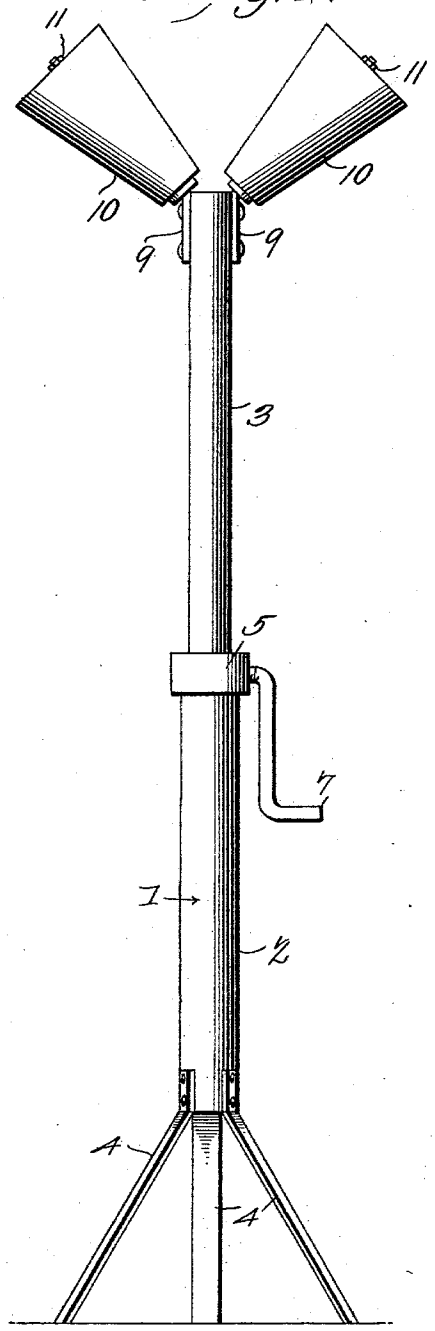
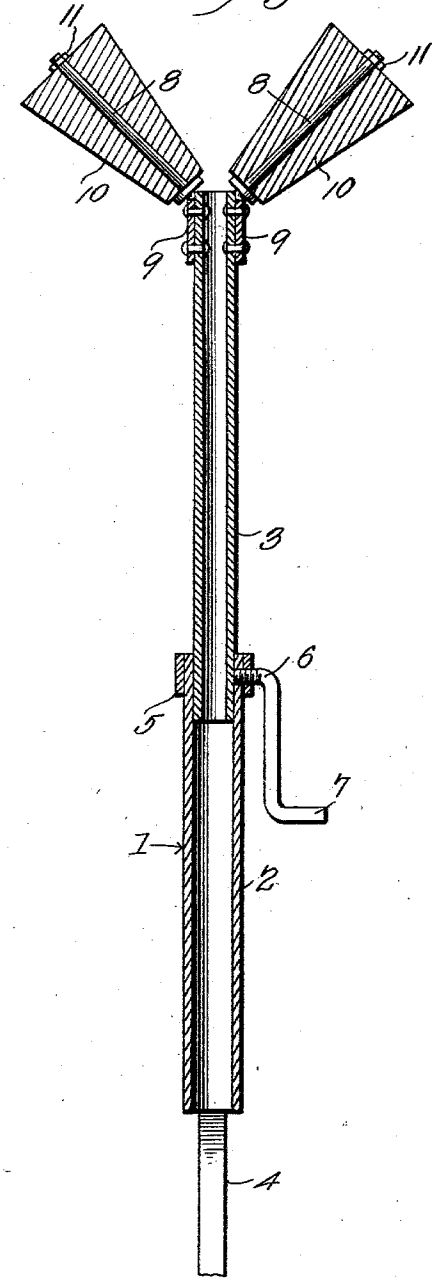


Fig. II.



Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 743,656. Patented November 10, 1903.

UNITED STATES PATENT OFFICE.

ALBERT L. NETTLES AND HARRY SHERMAN GLENN, OF ADA, INDIAN TERRITORY.

WORK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 743,656, dated November 10, 1903.

Application filed March 21, 1903. Serial No. 148,984. (No model.)

To all whom it may concern:

Be it known that we, ALBERT L. NETTLES, and HARRY SHERMAN GLENN, citizens of the United States, residing at Ada, in the Chickasaw Nation, Indian Territory, have invented a new and useful Work-Support, of which the following is a specification.

This invention relates to an improved work support or standard, and has for its object to provide a simple inexpensive device adapted for use by tinners, plumbers, and others for supporting the ends of pipes, &c., while being crimped, soldered, or otherwise operated upon.

Another object is to provide a comparatively light portable device of this character that can be easily moved from place to place and readily adjusted to any height to suit the conditions under which it is used.

With these and other objects in view our invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a side view of our stand or support. Fig. 2 is a vertical sectional view of the same.

Referring to the drawings, in which like numerals of reference indicate corresponding parts in both figures of the drawings, 1 designates the standard, made of iron or other suitable material, and consists of the telescoping tubular sections 2 and 3. The lower section 2 is provided at a point adjacent its lower end with diverging legs or supports 4, secured thereto in any suitable manner, and has its upper end provided with a collar 5. The upper section 3 slides freely within the lower section 2 and is adjustably secured therein by means of a clamping-screw 6, having a handle 7. The screw 6 passes through the collar 5 and bears against the outer surface of the upper section 3 and securely holds the same in any desired position. The tubular section 3 has two oppositely-disposed arms or spindles 8, which may be riveted thereto, as shown at 9, or otherwise secured in position. Mounted on the spindles 8 are inverted conical-shaped rollers 10, which revolve freely thereon, being held in place by means of nuts 11 engaging the outer threaded ends of the spindles. By having the conical rollers inverted, as shown, they present a movable work-support in which the surface speed diminishes in proportion to the diameter of the work and by reason of the difference in the peripheral speed of said rollers will have a tendency to retain the pipe or other article to be supported between the same without scarring or otherwise mutilating the work.

In operation the stand is placed at a suitable distance from a crimping or other machine and adjusted to the proper height. One end of the pipe is placed in the space between the rollers, while the other end of the pipe is being crimped or otherwise operated upon. By having the rollers revolubly mounted on their respective spindles the pipe may freely turn or slide between them without undue friction.

This device may be used for various purposes, and changes in form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

Having thus described our invention, we claim—

1. A work-support comprising a standard having divergent supporting-spindles, and inverted conical rollers revolubly mounted on the spindles and presenting a movable work-support in which the surface speed diminishes in proportion to the diameter of the work.

2. A work-support comprising a pair of tubular telescoping sections, legs secured to the lower section, divergent spindles secured to the upper section and having their free ends threaded, inverted conical rollers revolubly mounted on the spindles, a nut engaging the threaded end of the spindles, and clamping means for locking the telescoping sections in adjusted position.

3. A work-support comprising a pair of tubular telescoping sections, legs secured to the lower section, divergent spindles secured to the upper section and having their free ends

threaded, inverted conical rollers revolubly mounted on the spindles, a nut engaging the threaded end of the spindles, a collar carried by the lower section, and a clamping-screw provided with a crank-handle passing through a threaded opening in the collar for locking the telescoping sections in adjusted position.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

ALBERT L. NETTLES.
HARRY SHERMAN GLENN.

Witnesses:
R. O. WHEELER,
J. P. MASON.