No. 784,114. PATENTED MAR. 7, 1905.

J. J. MOOCK.

IMPLEMENT FOR APPLYING BANDS.

APPLICATION FILED DEC. 28, 1904.

Fig. 1.

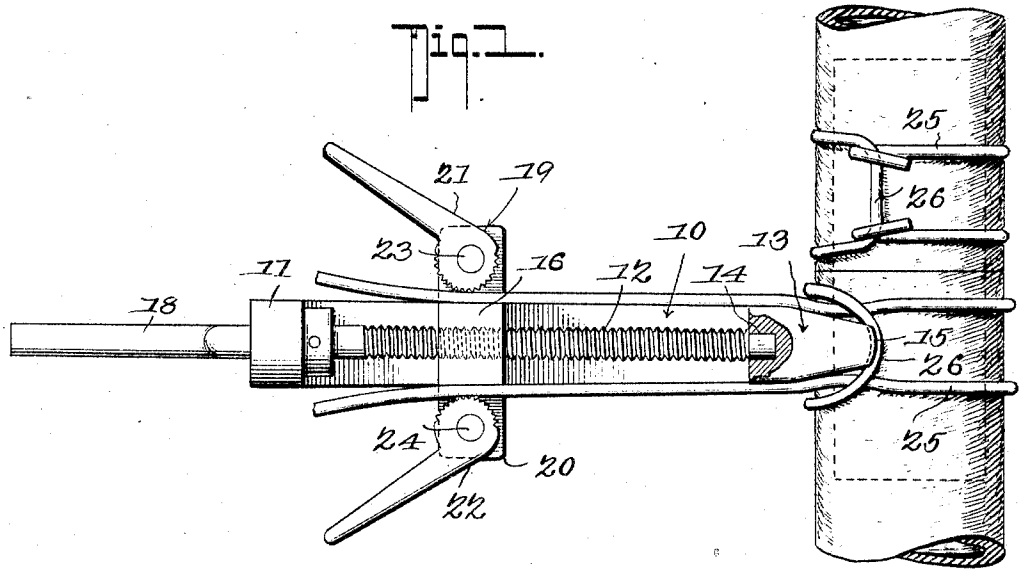
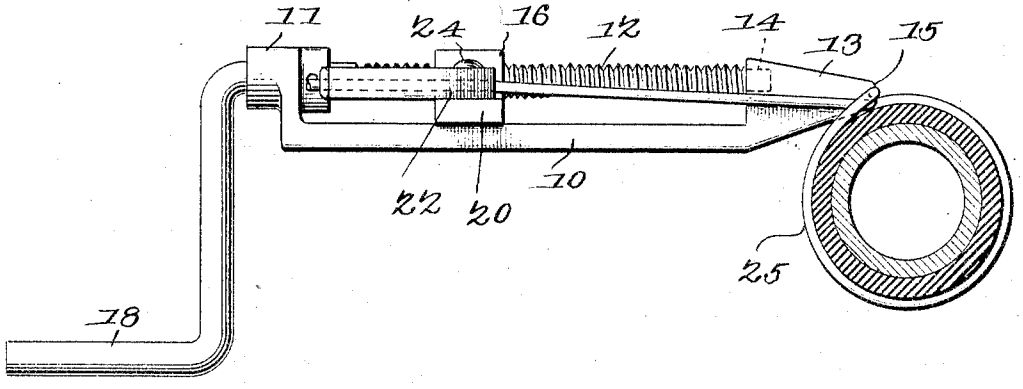



Fig. 2.




Witnesses

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No. 784,114. Patented March 7, 1905.

# UNITED STATES PATENT OFFICE.

JACOB J. MOOCK, OF EAST GREENVILLE, OHIO.

## IMPLEMENT FOR APPLYING BANDS.

SPECIFICATION forming part of Letters Patent No. 784,114, dated March 7, 1905.

Application filed December 28, 1904. Serial No. 238,573.

*To all whom it may concern:*

Be it known that I, JACOB J. MOOCK, a citizen of the United States, residing at East Greenville, in the county of Stark and State of Ohio, have invented a new and useful Implement for Applying Bands, of which the following is a specification.

This invention relates to implements for applying bands to structures of various kinds—such as hose-couplings, barrels, tubs, boxes, and other articles requiring bands to be tightly crimped thereon—and has for its object to produce a simply-constructed and easily-operated implement whereby the band may be quickly applied and any desired degree of strain applied.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention, capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportion, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is plan view, and Fig. 2 is a side elevation, of the improved implement applied to a hose-coupling.

The improved implement comprises a base member 10, having at one end a bearing 11 for rotatively supporting a threaded rod 12, and with a projection 13 at the other end, the latter provided at the inner side with a socket 14 to receive the inner end of the rod 12 and with a transverse band receiving channels 15 in the outer end.

Slidably disposed upon the base member 10 is a block 16, having a threaded aperture engaging the threaded rod 12, so that when the rod is rotated by its crank 18 the block will be moved along the base member.

Extending from the opposite sides of the block member 16 are wings 19 20, upon which cams 21 22 are pivoted, respectively, at 23 24, the operative sides of the cams being serrated, as shown.

The wire bands 25 employed in connection with this improved device are furnished in elongated U form and wrapped about the structure upon which they are to be strained and the free ends passed beneath the looped or folded portion, as at 26, and the free ends then clamped to the sides of the block by the cams 21 22. The screw-rod is then rotated to move the block outwardly, with the effect of drawing the band tightly around the structure which it embraces. When the required strain or tension has been attained, the device is turned over the structure to bend the wires tightly over the looped portion 26. The clamp members 21 22 are then released and the surplus wire cut off, leaving the completed band, as shown, at the upper part of Fig. 1.

The device is very simple in construction, operates effectually and rapidly, and may be employed for applying bands of any required size and length and strained to any required extent.

The device may be constructed in any required size or strength and of any suitable material, but will preferably be of steel.

The device may be easily adapted without material structural changes for placing bands of material other than wire around various objects, as will be obvious.

Having thus described the invention, what is claimed is—

1. In an implement of the class described, a base member having at one end a bearing for rotatively supporting a threaded rod and with a projection at the other end provided at the inner side with a socket to receive the inner end of said threaded rod and with a wire-receiving channel in the outer end, a clamp-block internally threaded for operating upon said threaded rod and slidable upon said base

member, and clamp members carried by said clamp-block upon opposite sides of the same.

2. In an implement of the class described, a base member having a bearing at one end and a lateral projection at the other end provided with a band-engaging channel in the outer end and a socket in the inner end, a clamp-block slidable upon said base member and having a band-clamping means and with a threaded longitudinal aperture, a threaded rod engaging said threaded aperture and mounted for rotation respectively in said bearing and in said socket, and means for rotating said rod.

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

JACOB J. MOOCK.

Witnesses:
O. C. VOLKMOR,
J. C. GRAYBILL.