

W. L. GOODMAN.
GRIPPING MEANS FOR BENCH PIPE THREADERS.
APPLICATION FILED DEC. 21, 1911.

1,047,932.

Patented Dec. 24, 1912.

Fig. 1

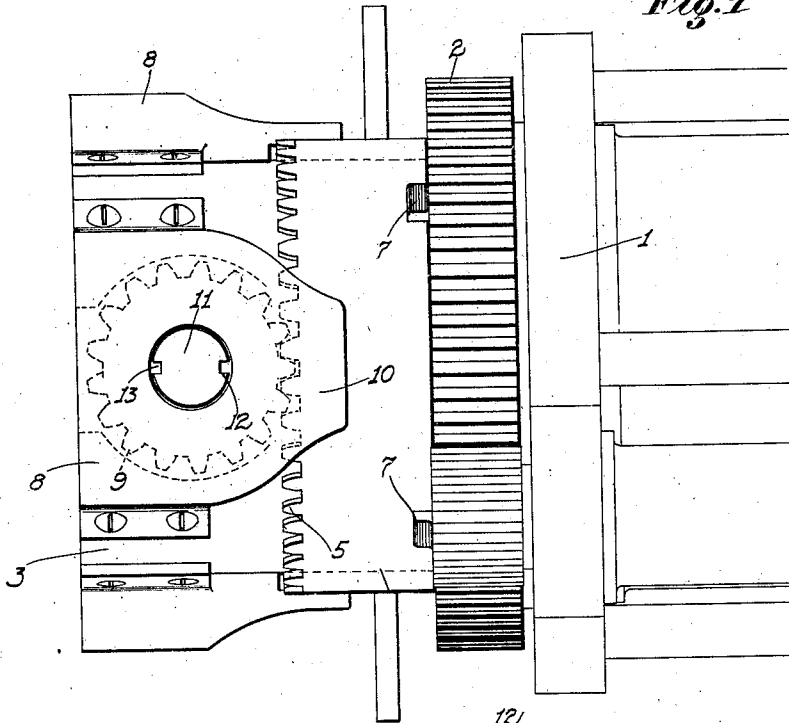
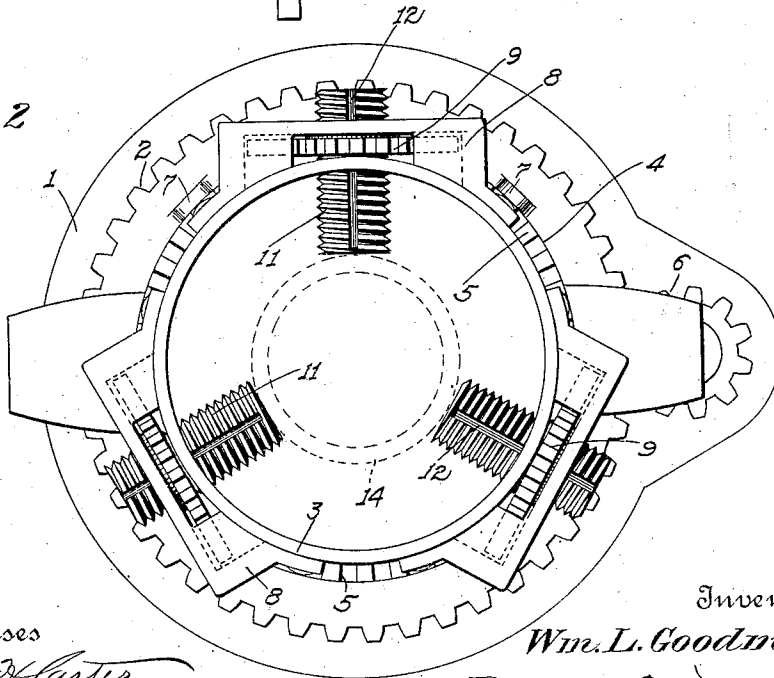


Fig. 2



Witnesses
Frank H. Carter
J. B. Medsker

Inventor
Wm. L. Goodman
By *Curry S. Webster*
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM L. GOODMAN, OF COALINGA, CALIFORNIA.

GRIPPING MEANS FOR BENCH PIPE-THREADERS.

1,047,932.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed December 21, 1911. Serial No. 667,181.

To all whom it may concern:

Be it known that I, WILLIAM L. GOODMAN, a citizen of the United States, residing at Coalinga, in the county of Fresno, State of California, have invented certain new and useful Improvements in Gripping Means for Bench Pipe-Threaders; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in pipe threaders and particularly to bench pipe threaders of all descriptions, the object of the invention being to produce a gripping means for a pipe which will hold the same securely in the stock of the tool for the threading operation, which gripping means will automatically during the gripping operation force the pipe to an absolutely true centered position as is necessary to the successful operation of the tool.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purposes for which it is designed.

These objects, I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a side elevation of the complete device. Fig. 2 is an end elevation of the same.

Referring now more particularly to the characters of reference on the drawings, 1 designates the stock of the machine and 2 the usual operating gear thereon.

In applying my improved invention I first provide a tubular member or sleeve 3 mounted over which is another sleeve 4 provided on its edges with gears 5 and having an operating handle member 6 to be used for turning said sleeve 4.

The numeral 7 designates lugs which may hold the sleeve 4 in proper position on the member 3.

The numeral 8 designates boxes or cases bolted to the member 3 and adapted to hold gears 9 which intermesh with the gears 5, said members 8 having projecting lips 10 which project over the sleeve 4 to also aid in holding the same in proper position. Screw mounted through said gears 9 are set screws 11 which set screws are provided with keyways 12 adapted to receiving keys 13 on the member 3 whereby with the revolution of the gears 9 said set screws 11 will be moved inwardly or outwardly. Hence when it is desired to set the pipe 14 into the machine for the purpose of threading it, it is inserted through the sleeve 3 and then the member 6 is used to turn the sleeve 4 which causes 5 to turn the gear 9, which operation moves all of the said screws 11 into the sleeve 3 each the same distance and hence when the same grip the pipe 14 they force the same to the exact center of the machine as is necessary for a perfect operation.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfils the object of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:—

1. A device of the character described comprising the combination with a pipe threading machine of a sleeve mounted thereon, threaded set screws disposed through said sleeve, means for preventing said set screw from turning, another sleeve mounted over said first named sleeve and being provided with teeth on its edge, boxes bolted to said first named sleeve and having projecting lips extending over said second named sleeve, gears disposed in said boxes and being screw mounted on the threads of said set screws, the teeth on said second named sleeve engaging said gears, as described.

2. A device of the character described comprising the combination with a pipe threading machine with a sleeve mounted

thereon, of set screws movable through said sleeve and provided with key-ways, keys on said sleeve adapted to engage said key-ways, gears disposed around said set screws, another sleeve mounted on said first named sleeve and being geared on its edge, said geared edge engaging the gears on said set

screws, and means for turning said sleeve, as described.

WILLIAM L. GOODMAN.

Witnesses:

B. F. DAVENPORT,
H. C. LANDER.