No. 689,434.

Patented Dec. 24, 1901.

P. THEOBALD.

AUGER HOLDER.

(Application filed Apr. 11, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

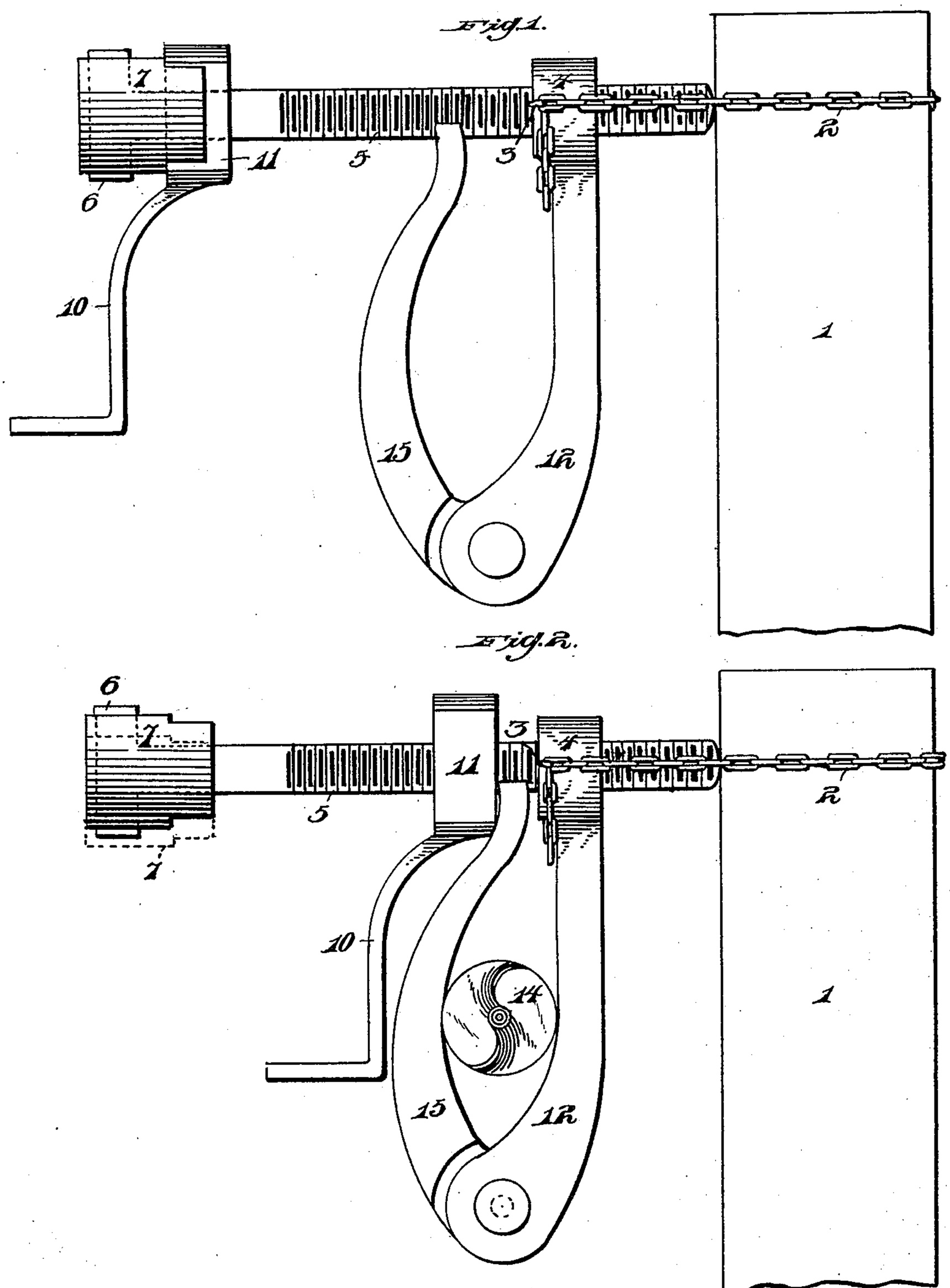

Fig. 2.

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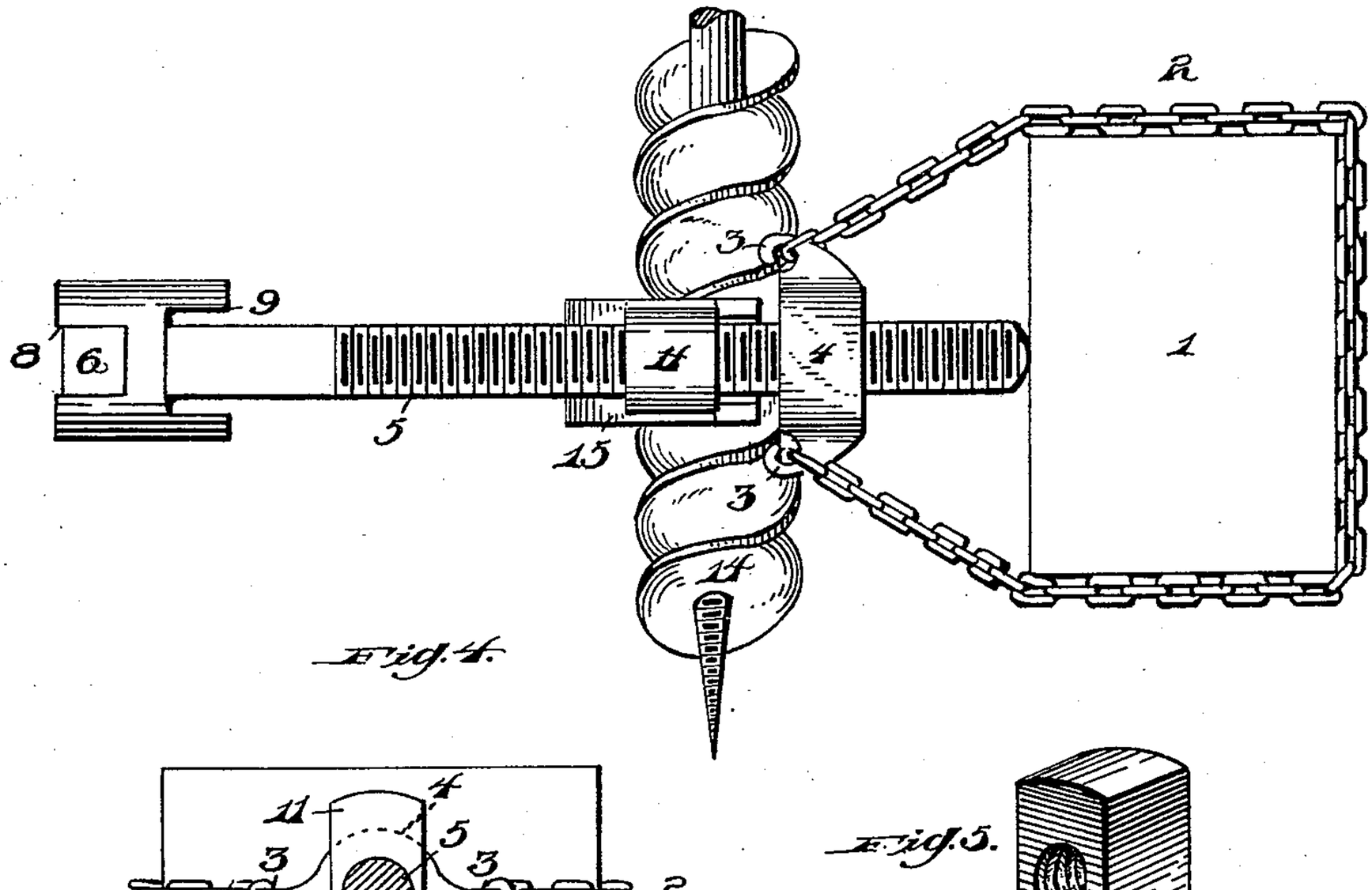
Fig. 3.

Fig. 4.



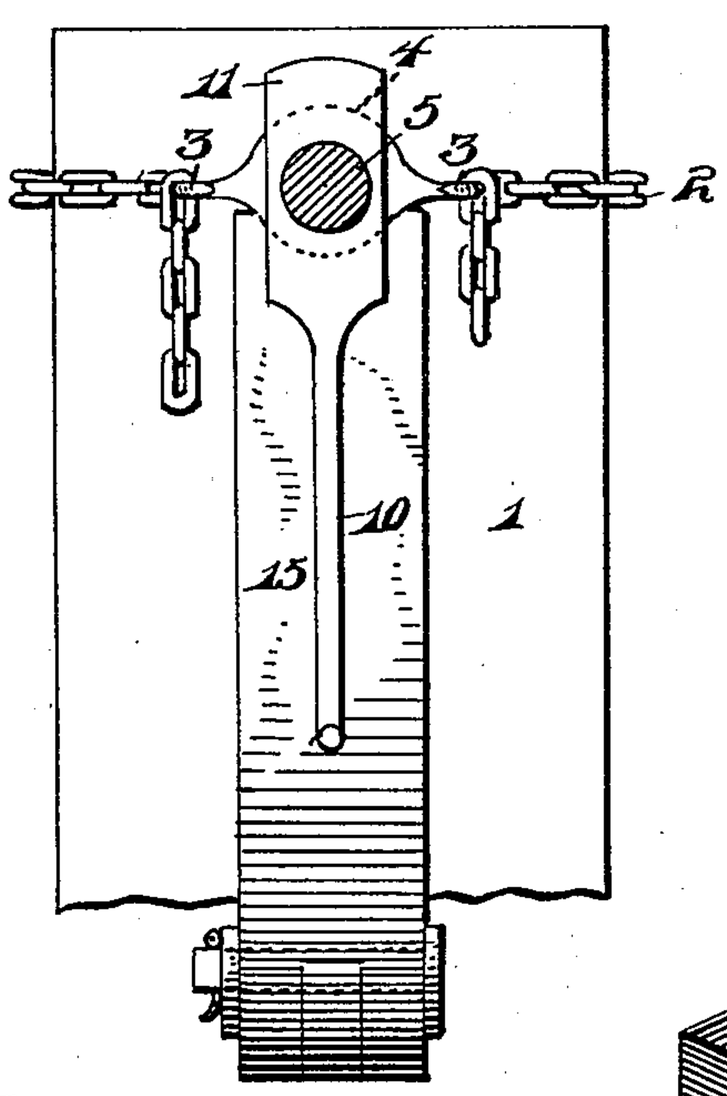


Fig. 5.

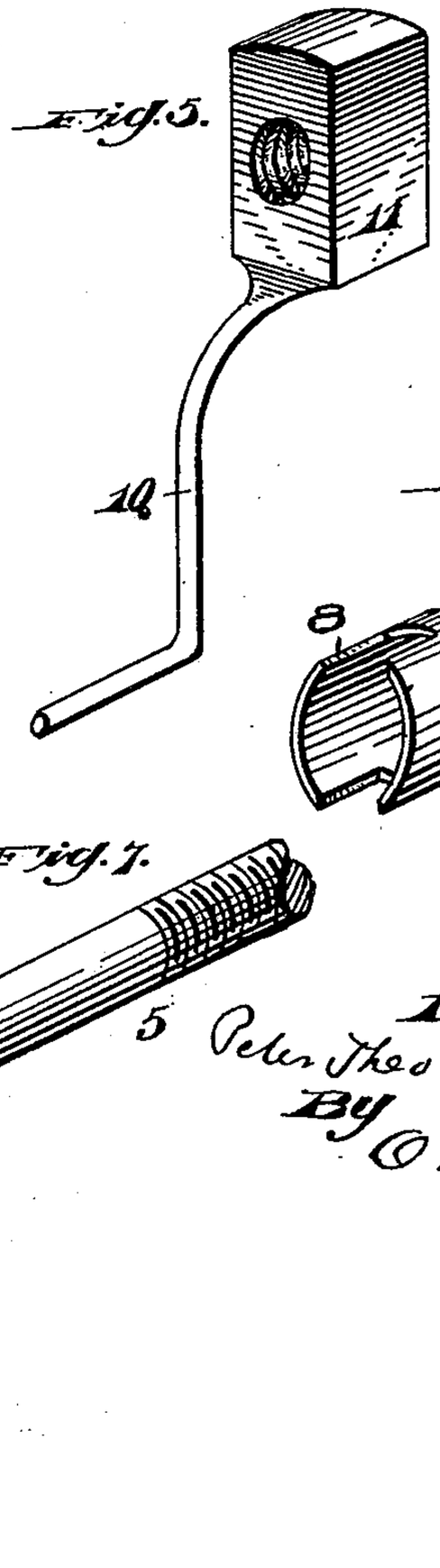


Fig. 6.

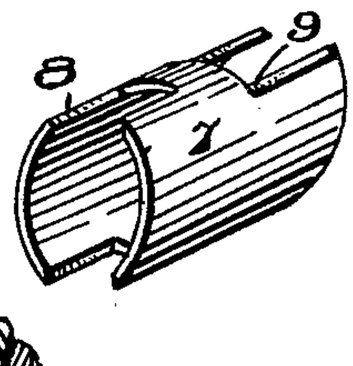


Fig. 7.

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UNITED STATES PATENT OFFICE.

PETER THEOBALD, OF CARRICK, PENNSYLVANIA.

AUGER-HOLDER.

SPECIFICATION forming part of Letters Patent No. 689,434, dated December 24, 1901.

Application filed April 11, 1901. Serial No. 55,296. (No model.)

To all whom it may concern:

Be it known that I, PETER THEOBALD, a citizen of the United States of America, residing at Carrick, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Auger-Holders; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in devices for holding augers while sharpening same, and has for its object to provide new and effective means whereby an auger may be securely held during the operation of repointing or sharpening the same.

The invention is particularly adapted for use in places where the vise or like device cannot be obtained for holding the auger.

In the accompanying drawings, Figure 1 is a side elevation of the device ready to receive an auger. Fig. 2 is a side elevation showing the auger held therein. Fig. 3 is a top plan view of the same. Fig. 4 is a transverse vertical sectional view. Fig. 5 is a detail perspective view of the crank by means of which the device is tightened and also by means of which the pivoted jaw is operated to clamp the auger. Fig. 6 is a detail perspective view of the adjustable sleeve carried by the supporting-bolt. Fig. 7 is a detail perspective view of a part of the supporting-bolt.

It is the object of my invention to provide a device which may be attached to a suitable supporting-post, and in the accompanying drawings 1 indicates such a support around which is passed a chain 2, said chain being connected to hooks 3, carried by the collar 4, which is threaded on the shaft or bolt 5, provided at its free end with a head 6. Mounted on this bolt or shaft 5 is an adjustable sleeve 7, provided on its upper and lower faces at the forward end with cut-away portions 8 and at its rear end with like cut-away portions 9. A crank 10 is provided with a head 11, which is threaded on said bolt or shaft 5. The collar 4 carries a downwardly-extending arm 12, forming one jaw of the vise, which holds the auger 14, and the other jaw 15 being pivoted to the lower end of the rigid jaw 12, with its free end concaved, as shown in dotted lines in Fig. 4, so as to partially straddle the shaft or bolt 5 and permit the operation of the pivoted jaw.

In operation the bolt is placed with its threaded end against the face of the supporting-post 1, the chain having either its link at one end or the link near one end engaged with one of the hooks 3, and the chain is then passed around the post and connected to the other hook 3, as shown in Fig. 3. The crank 10 is rotated upon the bolt or shaft 5 toward the headed end of the bolt or shaft until the head 11 of said crank is engaged within the cut-away portions 9 of the sleeve 7, the cut-away portion 8 of said sleeve receiving the head 6 of said bolt. When in this position and the crank 10 is operated, it will be held rigid with the bolt or shaft 5, and as the latter is rotated within the sleeve 4 the chain will be tightened, so as to hold the device in the supporting position, as shown in Figs. 1, 2, 3, and 4. The crank 10 is then again engaged with the threaded portion of the bolt or shaft 5 and is rotated until brought into engagement with the pivoted jaw 15, near the upper end thereof, forcing said jaw toward the rigid jaw 12 and securely clamping the auger 14 between said jaws.

It will be observed that as the head 11 of the crank passes out of engagement with the threads of the bolt or shaft 5 the crank may be readily slipped into the cut-away portions 9 of the sleeve, so as to tighten the shaft or bolt 5 against the supporting-post, as heretofore described.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. In a clamping device for the purpose specified, the combination with a threaded bolt or shaft having a head on one end, of a collar threaded on said shaft and provided with hooks to receive the securing-chain, a rigid jaw carried by said collar, a pivoted jaw carried by the rigid jaw, a crank mounted on the threaded shaft or bolt, and a sleeve having a cut-away portion at each end to receive

the head of the bolt and the head of the crank whereby the crank and bolt or shaft may be rotated in unison, as and for the purpose described.

2. In a clamping device for the purpose described, the combination with a support, of a threaded shaft or bolt, a collar threaded on said shaft and carrying hooks, a chain connected to said hooks and support, a rigid jaw carried by the collar, a pivoted jaw connected to the rigid jaw, a crank threaded on the bolt or shaft, and means for securing said crank to the bolt or shaft whereby they may be rotated in unison, substantially as described.

3. In a device of the character described, the combination with a support, of a bolt or shaft having a threaded portion, a collar through which said bolt or shaft operates, a rigid jaw carried thereby, a pivoted jaw carried by the rigid jaw, a crank threaded on the bolt for actuating the pivoted jaw, and means carried by the bolt for locking the crank whereby the bolt and crank may be rotated in unison, as and for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

PETER THEOBALD.

Witnesses:
JOHN GROETZINGER,
H. B. BECKER.