

NOT AVAILABLE COPY

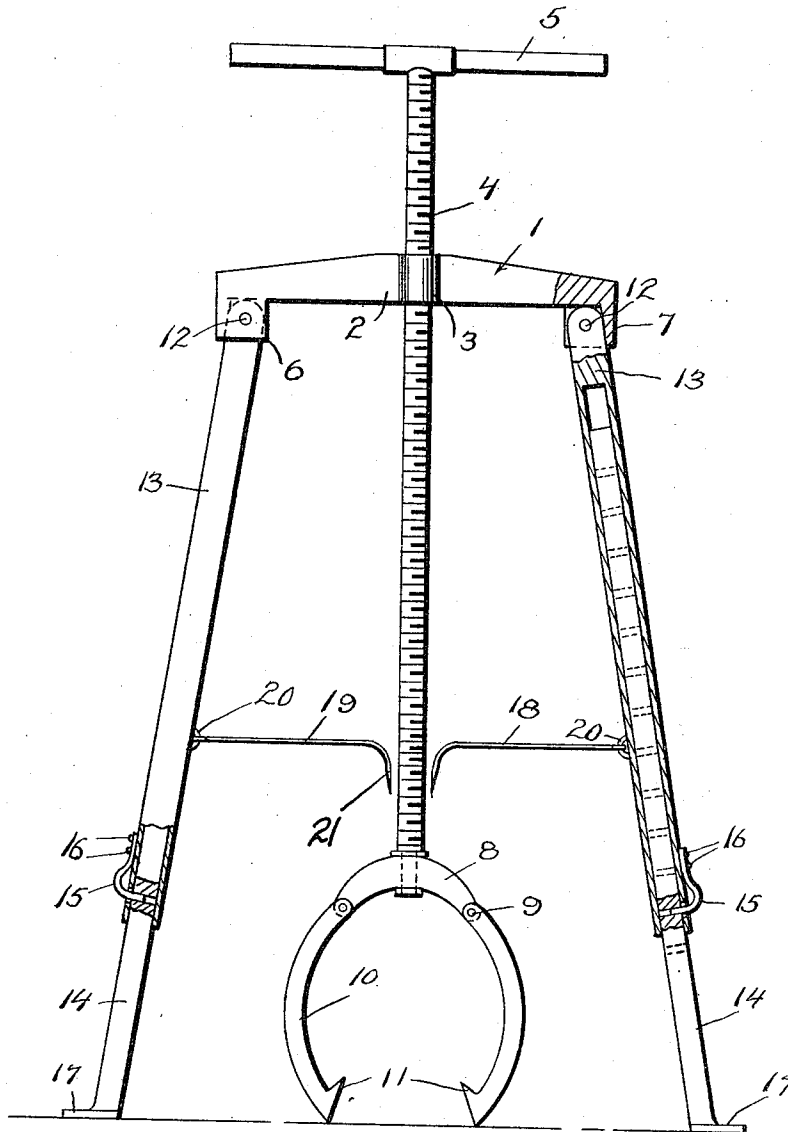
J. H. BARRET.

TIMBER JACK.

APPLICATION FILED JUNE 15, 1914.

1,134,581.

Patented Apr. 6, 1915.



Inventor

J. H. Barret.

Witnesses

M. Jones
H. H. Martin

By

A. H. Humphreys, Jr.
Attorney

UNITED STATES PATENT OFFICE.

JAMES H. BARRET, OF MELROSE, TEXAS.

TIMBER-JACK.

1,134,581.

Specification of Letters Patent.

Patented Apr. 6, 1915.

Application filed June 15, 1914. Serial No. 845,310.

To all whom it may concern:

Be it known that I, JAMES H. BARRET, a citizen of the United States, residing at Melrose, in the county of Nacogdoches and State of Texas, have invented certain new and useful Improvements in Timber-Jacks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in timber jacks, and has for its principal object to provide a device which is particularly adapted for use for persons using cross-cut saws on large pieces of timber.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawing, in which the drawing illustrates a timber jack constructed in accordance with this invention.

Referring now to the drawings by characters of reference, the numeral 1 designates the main frame of the timber jack comprising the body portion 2, having the enlarged portion 3 formed centrally thereof. This enlarged portion is formed with an internally screw threaded aperture through which the threaded stem 4 carrying the lifting tongs, extends. This threaded stem is provided at its upper end with the cross handle 5, by means of which the same is rotated. A pair of depending ears 6 are formed at the ends of the body portion 2, and said ears are connected at their free terminals with the closure 7, the use of which will appear as the description proceeds. The end of the threaded stem 4 opposite the cross handle 5, terminates in a reduced extension which is arranged to project through the body portion 8 which is preferably segmental as clearly illustrated in the drawings.

Pivottally secured as at 9 to the free ends of the segmental body 8 are the tongs 10, having the dogs 11 formed at their free terminals. These dogs 11 are arranged to grip the timber which is being sawed and thus prevent the tongs from slipping from their position.

Pivottally secured as at 12 between the ears 6 are provided the legs or rectangular tubular members 13, which are provided with

suitable apertures near their lower extremities, the use of which will appear as the description proceeds. A suitable rectangular member 14 is slidable in the member 13 and is also provided with a plurality of apertures which are arranged to register with the aperture formed in the member 13 and receive the latch or locking member 15 which is riveted or otherwise secured as at 16 to the member 13. These slidable legs 14 are provided at their lower terminals with the feet 17, and thus it will be seen that a firm engagement with the surface of the ground is thereby obtained.

A pair of rods 18 and 19 which are held to the legs 14 by means of the staples 20 are provided at their free terminals with suitable hook members 21 which are preferably sharpened and are arranged to be driven into the timber when the same is in place in the jack. These rods are arranged to hold the timber 30 and prevent any accidental movement thereof.

It will be apparent from the foregoing that in use the legs are swung on their pivots to the position illustrated in the drawing, at which time they will engage the portion 7 and be prevented from further outward swing. The cross handle 5 is then turned so that the threaded stem 4 will pass downwardly through the internally screw threaded enlargement 3, and simultaneously with this movement the tongs 10 are spread so that when the movement of the handle is reversed the dogs 11 will bite into the surface of the timber which is to be handled and will thus be prevented from becoming accidentally displaced. To further assist in the holding of the timber which is being handled, the pointed ends of the angular extensions 21 on the members 18 and 19 are driven into the log in such a way that any accidental movement thereof is eliminated.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A timber jack including a body portion having an internally screw threaded aperture formed centrally thereof, a pair of legs hingedly secured to the ends of the body

portion, means carried by the ends of the body portion to limit the movement of the legs, a threaded stem, extending through the threaded aperture in the body portion, 5 a segmental body portion carried by the lower terminal of the threaded stem, a pair of tongs carried by the free terminal of the segmental body portion, teeth at the free ends of the tongs, and means to hold the legs 10 in their proper position.

2. A timber jack including a body, legs pivotally secured to the ends of the body, a threaded stem extending centrally through the body, an arcuate member swivelly 15 mounted on the lower end of the threaded

stem, tongs pivotally mounted to said arcuate member and arranged to engage the underside of a log to lift the same, hooks pivotally connected to the legs intermediate their ends and down turned pointed extensions at the free ends of the hooks arranged to engage the upper side of a log to support the same in the tongs. 20

In testimony whereof I affix my signature in presence of two witnesses.

JAMES H. BARRET.

Witnesses:

FRED BUCKNER,
L. S. PETERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."