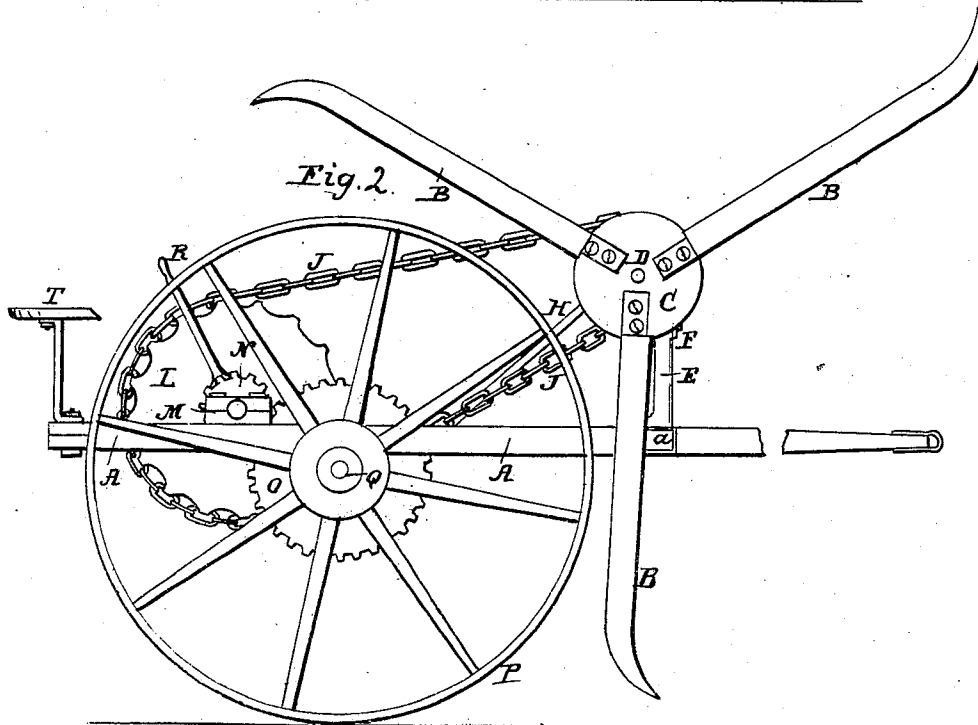
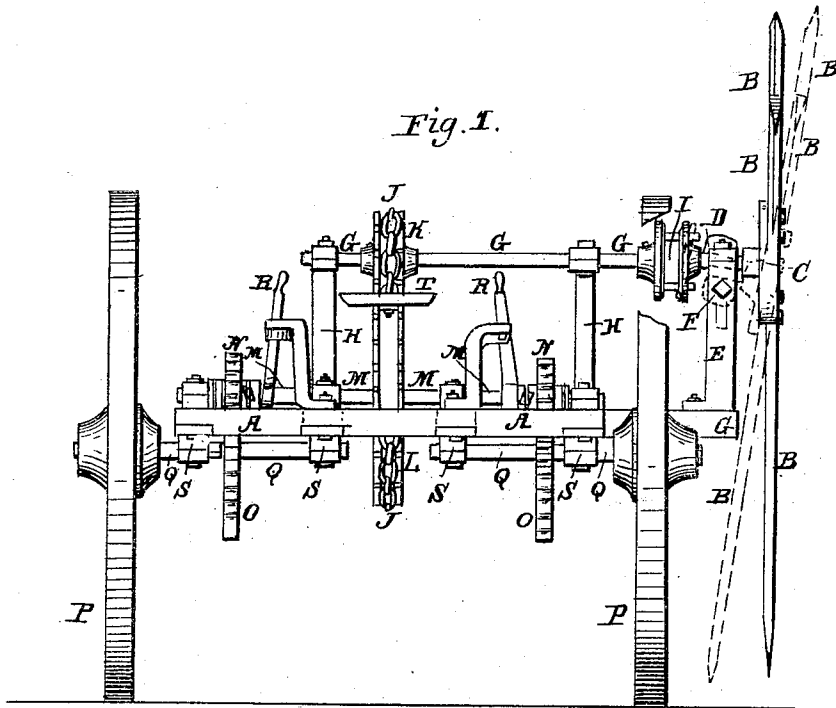


W. E. HORNE.  
Hedge Trimmer,

No. 104,956.

Patented July 5, 1870.



Witnesses:

Charles P. Soussun  
and L. Wright

Inventor  
William Edward Horne

# United States Patent Office.

WILLIAM E. HORNE. OF DECATUR, ILLINOIS.

Letters Patent No. 104,956, dated July 5, 1870.

## IMPROVEMENT IN HEDGE-TRIMMERS.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM E. HORNE, of Decatur, in the county of Macon and State of Illinois, have invented certain improvements in Hedge-Trimmers, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to a machine for trimming osage, thorn, arbor vitae, and other hedge fences, by means of knives revolving rapidly and making a smooth and clean cut, trimming the hedge in a cone-shape, the knives being raised, lowered, or set at an angle of not over thirty-five (35) degrees.

### *Description of the Accompanying Drawings.*

Figure 1 is a rear elevation of a machine embodying my invention.

Figure 2 is a side elevation of the same.

### *General Description.*

A A is the frame of the machine.

B B B are the knives.

The knives B B B being bolted on disk C, can be removed for sharpening.

The disk C is supported by shaft D passing through journal on standard E.

Said standard is bolted on a prolongation of the frame A, as shown at *a*, so that the knives will clear the wheel P.

The disk C can be raised, lowered, or set at an angle of not over thirty-five (35) degrees, by unscrewing-nut F, on a bolt passing through a slot in the stand-

ard E, and through a flange on the journal of the shaft D, thereby raising, lowering, or setting the shaft D, to which the disk C is attached.

The shaft G is supported by standards H H.

The shafts D and G are coupled by a pivot-coupling, as shown at I.

J is an endless chain on pulley K on shaft G, and pulley L on shaft M.

N N are cog-wheels on shaft M.

O O are cog-wheels on shaft Q Q.

Those cog-wheels can be thrown out of gear in turning corners by levers R R, under control of the driver on seat T.

The wheels of the machine P P are permanently secured to the shafts Q Q, said shafts being supported by journals S S S S, bolted to the bottom of the frame A.

### *Claim.*

I claim as my invention—

The combination of the knives B B B on disk C, with the shafts D and G, pivot-coupling I, and the flange journal, adjustable by means of the bolt (having nut F) passing through the slot in the standard E, substantially as and for the purpose herein set forth.

WILLIAM E. HORNE.

Witnesses:

CHARLES P. HOUSUM,

A. L. WRIGHT.