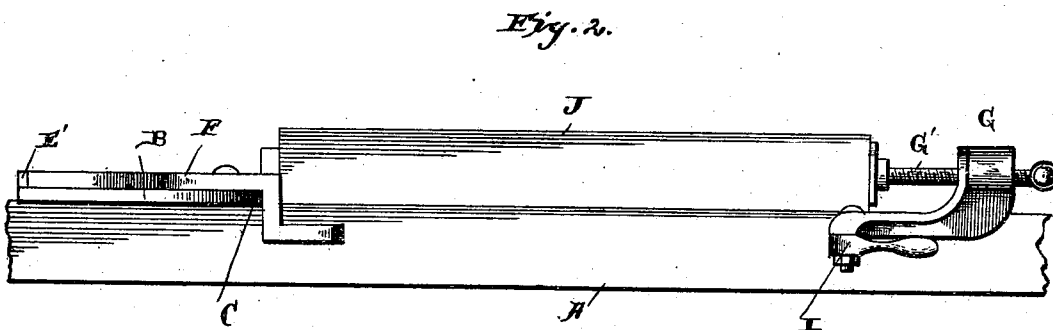
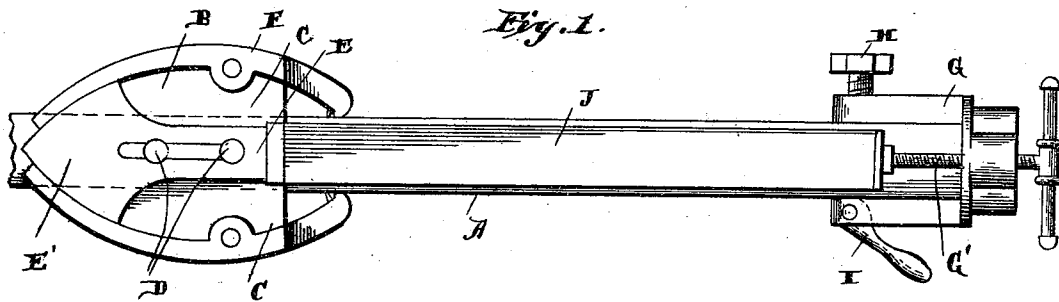


(No Model.)

D. H. ISEMINGER.
CLAMP.

No. 506,114.

Patented Oct. 3, 1893.



WITNESSES

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UNITED STATES PATENT OFFICE.

DANIEL H. ISEMINER, OF BLOOMINGTON, ILLINOIS.

CLAMP.

SPECIFICATION forming part of Letters Patent No. 506,114, dated October 3, 1893.

Application filed July 26, 1892. Serial No. 441,271. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. ISEMINER, of Bloomington, in the county of McLean and State of Illinois, have invented certain new and useful Improvements in Clamps; 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 pertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in clamps; and it consists in the novel features of construction which will be fully described hereinafter, and more especially referred to in the claims.

The object of my invention is to provide an improved removable clamp or work holder which can be conveniently attached to an angular piece of timber when it is desired to clamp work thereto to be operated upon, and which when the work has been accomplished can be removed with ease.

Referring to the accompanying drawings,—Figure 1 is a plan view of my improved clamp. Fig. 2 is a side elevation of the same.

A, represents the base which is formed of a piece of angular timber of the preferred size and adapted to rest thereon is the plate B, the edges C, of which project over the edges of the base A, as shown. Projecting upward from the plate are the pins or guides D, and adapted to move longitudinally on said plate over the guides D, is the slotted top E, having an arrow shaped inner end E'. Pivoted between their ends to the projecting edges C, of the plate B, are the dogs F. The ends of these dogs adjacent the end E', or the stop E, are curved inward so that when the stop is moved longitudinally toward the said arm ends the latter are separated, throwing their opposite ends inward. These opposite ends project downward having spurs formed on their inner edges, so that when they are contracted by the separation of the opposite or curved ends of the dogs they impinge the base A, thus holding the stops securely to the position desired.

Embracing the base A, a short distance

from the device above described is the yoke G, which is held to the base by screw H, and cam I, arranged on the opposite lower ends of the said yoke. By means of the screw and cam the upper portion of the yoke may be conveniently adjusted to the center of the base and this could not be accomplished were only a single screw or cam alone employed.

J, represents a piece of material to be operated upon which is shown clamped between the screw G', of the yoke G, and the stop E. It will be understood that the greater the pressure exerted on the said piece of material by the screw G', the greater will be the hold of the dogs F, upon the base A.

It will be seen from the above that the stop E, may be adjusted to any position on the base, likewise the screw yoke, thus making it possible to operate upon work of great length. They are readily detached and can be carried from place to place with ease, there being no necessity of using a particular form of base as any angular piece of scantling or timber will answer the purpose of a support.

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

1. The combination of a base, a plate thereon having projecting edges, dogs pivoted between their ends to the said edges, the inner ends of the said dogs being projected downward, stops projecting from the upper side of the plate, and a slotted plate arranged to move longitudinally thereon for the purpose of separating the free ends of the said dogs, substantially as shown and described.

2. The combination of a base, a support therefor, curved dogs pivoted between their ends to the base, the concave sides of the dogs facing each other, a spur upon the inner side of one end of each dog, and a longitudinally movable spear shaped wedge between and arranged to separate the free ends of the dogs, substantially as shown and described.

3. The combination of a base, a plate thereon, dogs pivoted between their ends to the opposite sides of the plate and which at one end are arranged to engage the base and at

their opposite ends turned inward toward each other, guides projecting vertically from the plate, and a slotted stop which is arranged to move thereon, and which is constructed with an arrow shaped end which extends between the free ends of the dogs for separating them, substantially as shown and described.

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

DANIEL H. ISEMINER.

Witnesses:

JOHN T. LILLARD,
JAMES HOUGHTON.