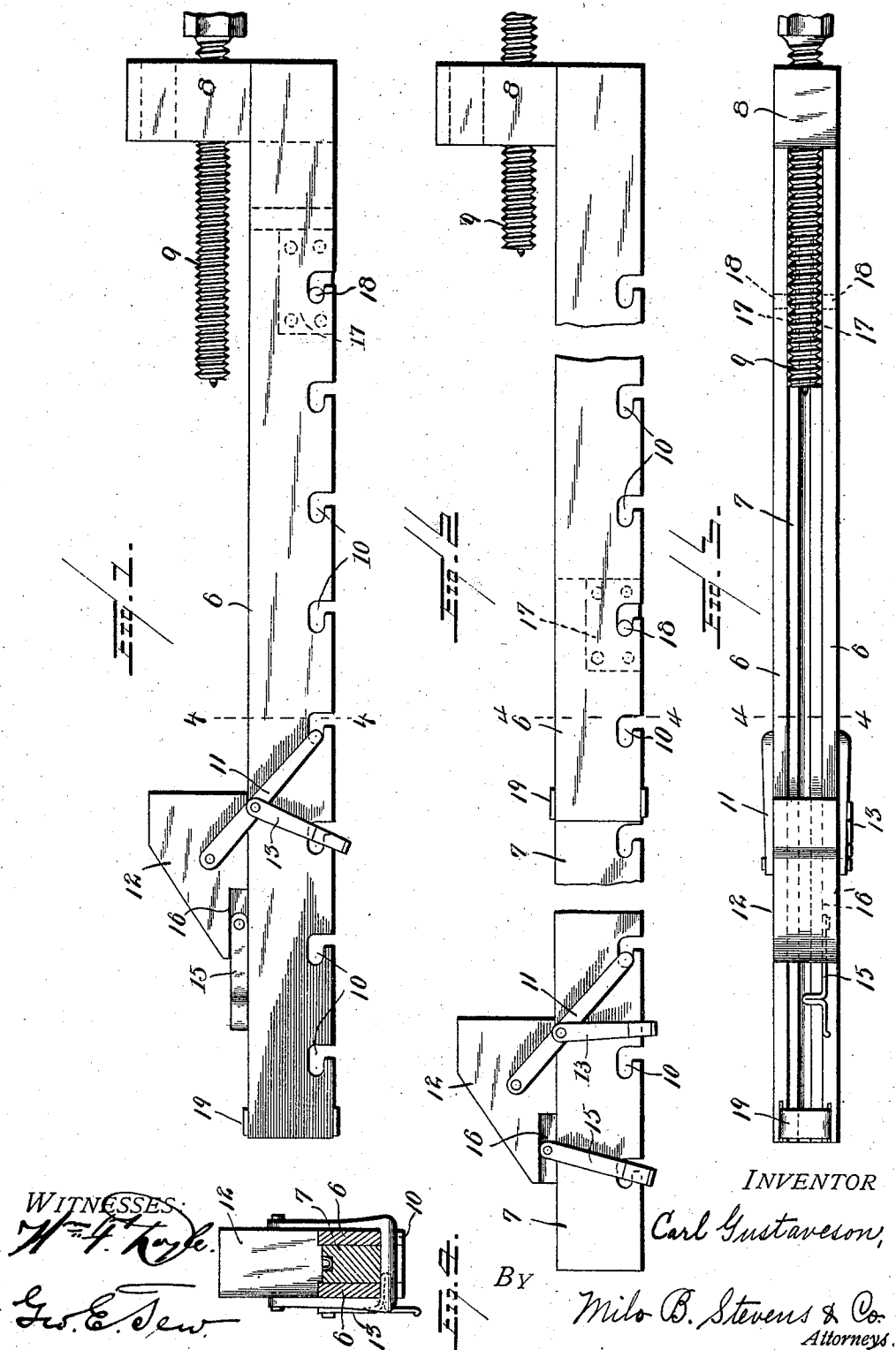


No. 816,011.

PATENTED MAR. 27, 1906.

C. GUSTAVESON.
WOODWORKING CLAMP.
APPLICATION FILED NOV. 14, 1905.



UNITED STATES PATENT OFFICE.

CARL GUSTAVESON, OF CHICAGO, ILLINOIS.

WOODWORKING-CLAMP.

No. 816,011.

Specification of Letters Patent.

Patented March 27, 1906.

Application filed November 14, 1905. Serial No. 287,293.

To all whom it may concern:

Be it known that I, CARL GUSTAVESON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Woodworking-Clamps, of which the following is a specification.

This invention is a woodworking-clamp provided with an extensible beam and an adjustable jaw or foot-block.

The object of the invention is to produce a device improved with respect to the extension of the beam and with respect to the adjustment of the foot-block.

In the accompanying drawings, Figure 1 is a side view with the beam retracted. Fig. 2 is a similar view with the beam extended. Fig. 3 is a top or front view. Fig. 4 is a cross-section on the line 4 4 of the other figures.

The beam is composed of two spaced side pieces 6, between which is a sliding or extensible piece 7. The side pieces are united at the head by the head-block 8, the projecting part of which has a clamping-screw 9. The respective pieces forming the beam are notched on their rear edges, as at 10, to receive the U-shaped latch or locking-bail 11, which is pivoted at its ends to the adjustable foot-block 12. Pivoted to one arm of the latch 11 is a catch 13, which consists of a flat spring having a projection engageable in one of the notches 10 of one of the side pieces 6. The foot-block 12 carries a similar catch 15, which is pivoted in a recess 16 in the side of said block and is arranged to engage in one of the notches 10 of the middle or extension piece 7 when said foot-block is slid down on that piece, as shown in Fig. 2. The purpose of these catches is to prevent the block 12 from jumping or lifting out of place.

At its head or inner end the sliding piece 7

has metal pieces 17 set flush in the sides thereof, and these pieces have projecting studs 18, which are engageable in the notches in the side bars 6. At the foot the side bars are connected by straps 19, which serve to space said bars apart and also to form retaining-guides for the sliding piece 7.

In use the beam is extended by disengaging the lugs 18 from the notches 10 by giving the middle piece 7 a slight backward "break" or movement, allowing said piece to be slid in or out to the desired extent, after which the lugs are again engaged in the appropriate notches in the fixed side pieces. Further adjustment of the foot-block 12 can then be made by setting its latch at the desired notch. When the latch is set on the main beam, it engages the notches of all the pieces; but when it is set on the extended beam it engages the middle piece only. In the former instance the catch 13 is used to lock the block against unintentional movement. In the latter case the latch 15 is used. When these catches are engaged, the block cannot turn or get out of position, even though the clamp be inverted.

What I claim as new, and desire to secure by Letters Patent, is—

A clamp comprising a beam formed of notched side pieces and a notched extensible middle piece therebetween having lugs engageable in the notches of the side pieces, a head-block mounted on the side pieces, and an adjustable foot-block having a latch engageable in the notches on said pieces.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CARL GUSTAVESON.

Witnesses:

NELLIE FELTSKOG,
H. G. BATCHELOR.