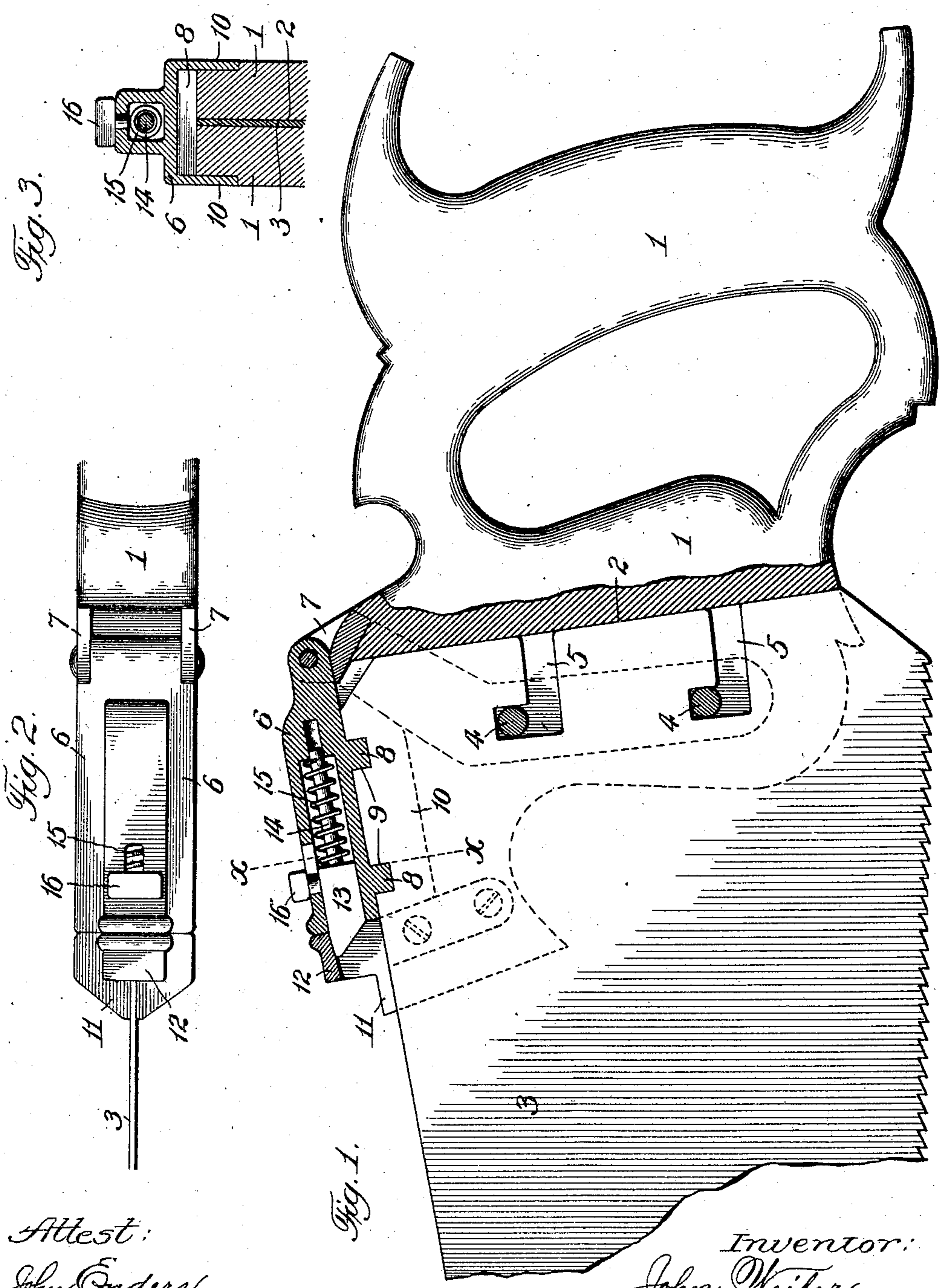


No. 785,459.

PATENTED MAR. 21, 1905.

J. WEILER.
DETACHABLE HANDLE FOR HANDSAWS.
APPLICATION FILED SEPT. 19, 1904.



Attest:
John Enders
M. H. Holmes

Inventor:
John Weiler
by *Robert Burns*
Attorney

UNITED STATES PATENT OFFICE.

JOHN WEILER, OF ST. LOUIS, MISSOURI.

DETACHABLE HANDLE FOR HANDSAWS.

SPECIFICATION forming part of Letters Patent No. 785,459, dated March 21, 1905.

Application filed September 19, 1904. Serial No. 225,004.

To all whom it may concern:

Be it known that I, JOHN WEILER, a citizen of the United States of America, and a resident of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Detachable Handles for Handsaws, of which the following is a specification.

The present invention relates to handsaws, in which provision is made for a ready separation of the hand-grip from the saw-blade to permit of a compact storing of the parts in a carpenter's tool-chest when not required for use; and the present improvement has for its object to provide a simple, strong, and convenient means for securing the hand-grip to the saw-blade in a rigid and substantial manner and which at the same time permits of a ready detachment between the parts when required, all as will hereinafter more fully appear and be more particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation with parts in section of an ordinary handsaw to which the present invention is applied. Fig. 2 is a detail plan view of the same. Fig. 3 is a detail transverse section of the same at line *x x*, Fig. 1.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the hand-grip of the saw having the usual longitudinal groove or seat 2 for the reception of the butt of the saw-blade 3.

4 represents the usual transverse holding-pins arranged in separated relation and intersecting the groove or seat 2 to be engaged by the saw-blade, which blade in the present invention is formed with a pair of L-shaped slots 5, adapting the saw-blade for ready engagement with and detachment from the holding-pins 4 aforesaid.

6 is a locking member having movement upon the hand-grip 1 in any usual manner and preferably by being pivotally connected thereto by means of a rearwardly-extending eye portion having pivotal connection with a pair of metal side plates 7, secured to the opposite sides of the hand-grip, as shown in Figs. 1 and 2.

8 represents transverse teeth or ribs on the

under face of the locking member 6, adapted for engagement with corresponding notches 9 in the back of the saw-blade, as shown, and when the saw-blade is in proper position in the hand-grip.

10 represents side plates at the respective sides of the locking member 6 to form a channel on the under side of the same to embrace the opposite sides of the hand-grip and at the same time afford a strong and substantial support for the ends of the transverse ribs 8, which in the present construction extend transversely from side plate to side plate and are integrally formed therewith.

11 is a keeper member secured to the hand-grip in adjacent relation to the forward end of the locking member 6 and formed with the keeper-eye 12 of the latch mechanism of the present improvement.

13 is a sliding latch-bolt moving in a guide-housing on the locking member 6 and adapted for engagement with the keeper-eye 12 aforesaid.

14 is the guide-stem of the latch-bolt aforesaid.

15 is a coil-spring surrounding the guide-stem 14, with a tendency to force the latch-bolt forward.

16 is a thumb-piece secured to the latch-bolt 13 for convenience in retracting said bolt in the operation of detaching the saw-blade from the hand-grip.

In the operation of the present invention the locking member 6 is first turned back from its engagement with the keeper member 11. The saw-blade is then introduced into place and its L-shaped slots 5 made to engage with the transverse holding-pins 4. The locking member 6 is then brought down to engage its transverse teeth or ribs 8 with the notches 9 of the same blade and lock such saw-blade firmly in place. At the same time the latch-bolt 13 automatically engages the keeper-eye 12 to hold the aforesaid locking member 6 from accidental disengagement during the actual use of the saw.

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

1. A detachable saw-handle, comprising a

hand-grip provided with a longitudinal saw-seat and with transverse holding-pins for detachable engagement with the saw-blade, a locking member pivotally attached at its rear
5 end to the hand-grip and provided with transverse teeth or ribs intermediate its length adapted to engage corresponding notches in the back of the saw-blade, and a spring-latch for securing said locking member in its engaged condition, substantially as set forth.
10

2. A detachable saw-handle, comprising a hand-grip provided with a longitudinal saw-seat and with transverse holding-pins for detachable engagement with the saw-blade, a

locking member pivotally attached at its rear 15 end to the hand-grip and provided with a channel on its under side and with transverse teeth or ribs in said channel adapted to engage corresponding notches in the back of the saw-blade, and a spring-latch for securing 20 said locking member in its engaged condition, substantially as set forth.

Signed at Chicago, Illinois, this 5th day of September, 1904.

JOHN WEILER.

Witnesses:

ROBERT BURNS,
M. H. HOLMES.