

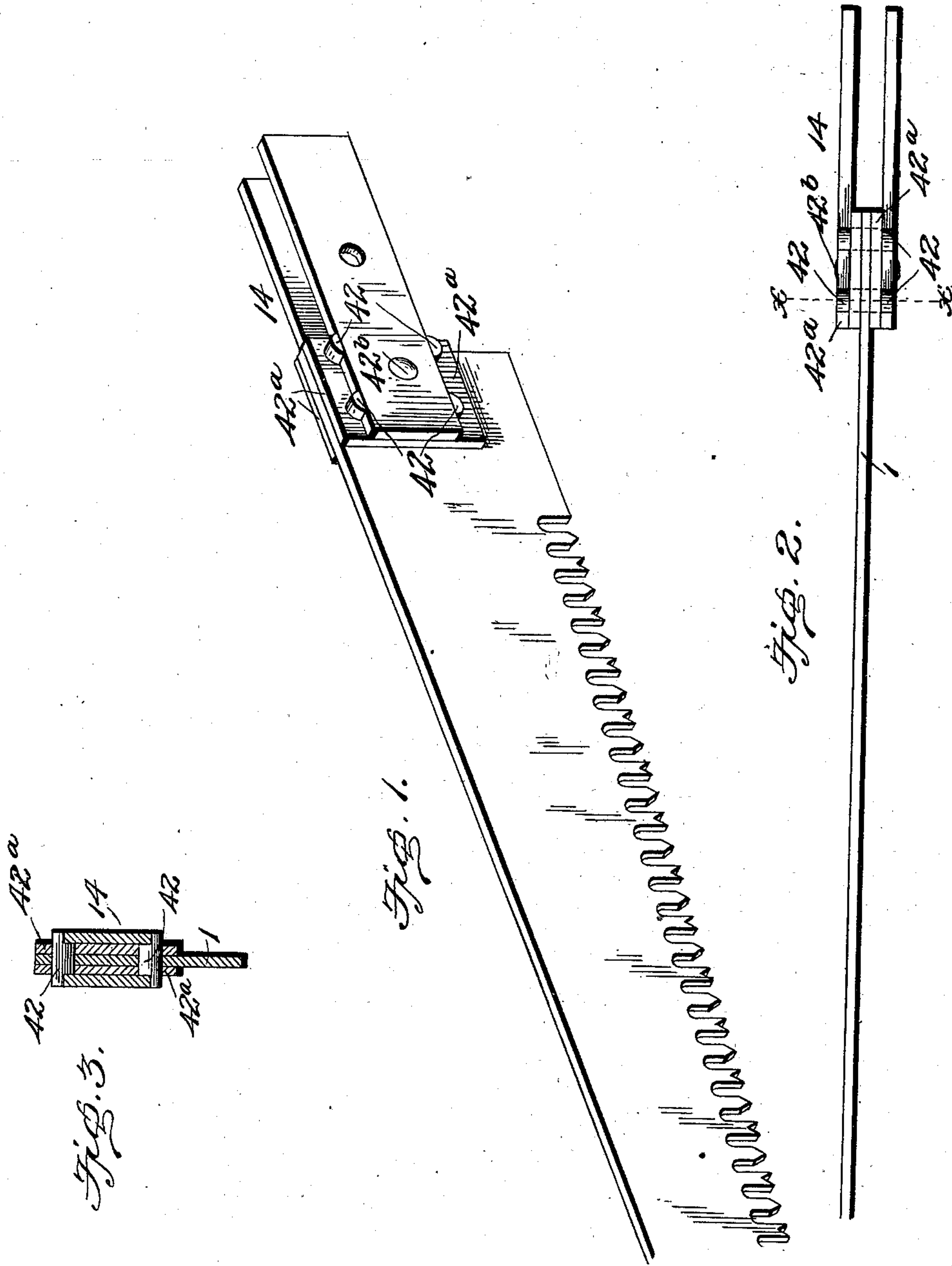
No. 651,865.

Patented June 19, 1900.

J. B. KELLY.
STEAM POWER CROSSCUT SAW.

(Application filed Feb. 8, 1900.)

(No Model.)



Witnesses
Edw. J. Hamilton by *John B. Kelly* Inventor
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UNITED STATES PATENT OFFICE.

JOHN B. KELLY, OF PORTLAND, OREGON, ASSIGNOR OF ONE-HALF TO
CHARLES L. VAN BUSKIRK, OF LODI, CALIFORNIA.

STEAM-POWER CROSSCUT-SAW.

SPECIFICATION forming part of Letters Patent No. 651,865, dated June 19, 1900.

Original application filed November 9, 1899, Serial No. 736,345. Divided and this application filed February 8, 1900. Serial No. 4,492. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. KELLY, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Steam-Power Crosscut-Saws; and I do 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.

The invention relates to steam-power crosscut-saws, and more particularly to that class of saws shown and described in my application for patent filed November 9, 1899, Serial No. 736,345, of which the present application is a division.

The object of the invention is to provide simple, durable, and inexpensive means for attaching the saw-blade to its head, which, as explained in the application above referred to, is reciprocated by a piston working in a cylinder, whereby the saw-blade may be adjusted up or down, according to the position at which it is desired to set the saw-blade with respect to its head.

To this end the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a saw-blade and its head, illustrating my invention. Fig. 2 is a top plan view. Fig. 3 is a vertical sectional view on the line *x x* of Fig. 2.

In the drawings the same reference characters indicate the same parts of the invention.

1 denotes the saw-blade, and 14 the saw-blade head, which is adapted to be reciprocated in any suitable manner, but preferably by a piston, to which it is adapted to be attached. The blade is secured to the upper corner of its rear end two plates 42^a, which are secured in place by rivets 42, which project beyond the sides of the plates and have their adjacent portions filed away to present straight parallel faces which receive the up-

per and lower edges of the plates constituting the saw-blade head. A bolt 42^b is passed through the parts and prevents the withdrawal of the saw-blade from its head. This construction provides a simple means for securing the saw-blade to the saw-blade head, and also enables the one to be adjusted with respect to the other by hammering the upper or lower set of rivets either up or down, according to the position at which it is desired to set the saw-blade with respect to the head.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my improved steam-power crosscut-saw will be readily apparent without requiring an extended explanation. It will be seen that the device is simple of construction, that said construction permits of its manufacture at small cost, and that it is exceedingly well adapted for the purpose for which it is designed.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination with the saw-blade head; of a saw-blade, means for securing the saw-blade to said head, and rivets and lugs passed through the saw-blade at points above and below the upper and lower edges of the head and adapted to engage said edges, substantially as and for the purpose set forth.

2. The combination with the saw-blade and saw-blade head; of clamping-plates, rivets passed through the saw and clamping-plates and engaging the upper and lower edges of the saw-blade head, and means for securing the saw-blade to said head, substantially as and for the purpose set forth.

3. The combination with the saw-blade head and the saw; of clamping-plates, rivets passed through the saw-blade and clamping-

plates and having their opposing surfaces squared and adapted to engage the edges of the saw-blade head, and means for securing the saw-blade to said head, substantially as
5 and for the purpose set forth.

4. In a saw-blade the combination with two plates arranged upon opposite sides thereof; of rivets passed through said plates and having their opposing faces squared and adapted

to engage the edges of the saw-blade head, substantially as and for the purpose set forth. 10

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN B. KELLY.

Witnesses:

WM. A. SHRYOCK,

WM. K. SHRYOCK.