

(Model.)

R. E. POINDEXTER.

SAW JOINTER AND GAGE.

No. 246,414.

Patented Aug. 30, 1881.

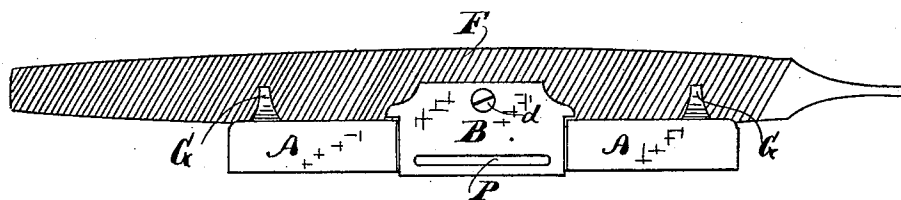
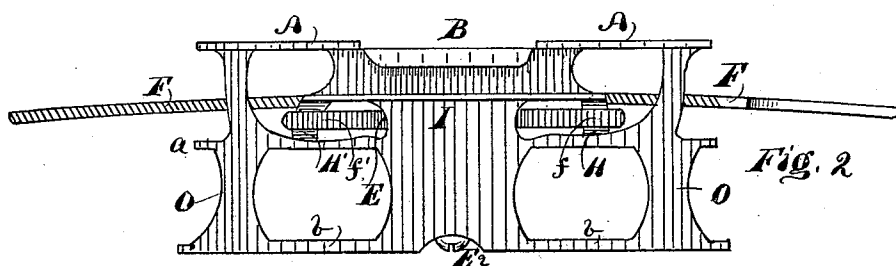
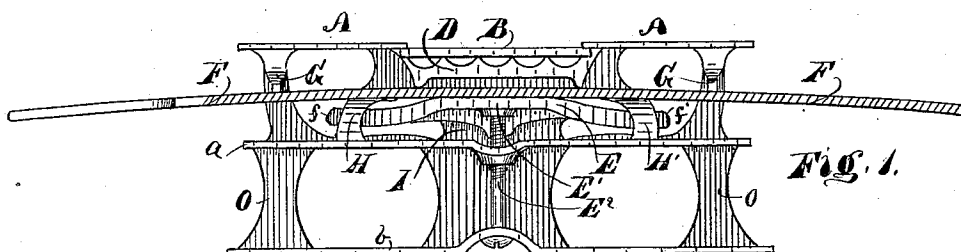


Fig. 3.

WITNESSES;
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UNITED STATES PATENT OFFICE.

ROBERT E. POINDEXTER, OF INDIANAPOLIS, INDIANA.

SAW JOINTER AND GAGE.

SPECIFICATION forming part of Letters Patent No. 246,414, dated August 30, 1881.

Application filed September 28, 1880. (Model.)

To all whom it may concern:

Be it known that I, ROBERT E. POINDEXTER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Saw Jointers and Gages, of which the following is a specification.

My invention relates to an improvement in saw jointers and gages, and is an improvement on my Patents No. 150,431, dated May 5, 1874, and No. 164,762, dated June 22, 1875.

The objects of my invention are, first, to provide a device for holding and curving a file for jointing a saw, and, second, to afford facilities for gaging the teeth. These objects I accomplish by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of one side of the device. Fig. 2 is a side elevation of the opposite side of the device, and Fig. 3 is a top view.

Similar letters refer to like parts throughout the several views.

O O and I represent the main casting or skeleton-frame, which is provided with the gage plates or flanges A A at the top, projecting from one side, also lugs G G, which project from the opposite side of the frame. Between the flanges A A is a space to receive the gage-plate B, which is secured by the screw *d* to a side projecting base or flange, D.

The gage-plate B is provided with a slit, P, through which the points of the chisel or raking teeth of the saw project, so that their points may be dressed perfectly square by moving a file over the top of the gage-plate.

The lower part of the casting O O I is provided with two flanges, *a* and *b*, in the center of which is an adjusting clamp-screw, E². This screw fits loosely in a hole formed in the lower flange, *b*, but its upper end is screwed into a screw-threaded hole formed in the flange *a*, as shown. Above the flange *a* the casting O O I is provided with ribs H H', which unite the flange *a* with that part of the casting which holds the gage-plate B. On each side of the ribs H H' are open spaces, and in the center

of the casting O O is formed a broad rib, I. In front of this rib I is the curved clamp-block E, which is locked and held in place by passing the ends *f f'* behind the ribs H H', as shown in Fig. 1. The central part of the block E, on the lower side, is provided with a flange, E', against which the end of the screw E² operates, and by means of which the file F may be firmly clamped between the block E and projecting flange D of the frame, as shown in Fig. 1.

The operation of my improved device is as follows: The file F is placed between the flange D, lugs G G, and block E, and made fast by the screw E². The outer edges of the ribs *a* and *b* are then placed against the side of the saw, with the file resting on the points of the teeth. The file may then be curved to conform with the breast of the saw-teeth by adjusting the screw E². The device is then moved along the saw, backward and forward, until the points of all the teeth have been dressed or jointed even, after which the casting O O I is reversed, and the opposite side, or that side shown in Fig. 2, is placed against the saw-blade. The points of the chisel or raking teeth of the saw are permitted to project through the slit P in the gage-plate B far enough to permit the extreme points of said teeth to be dressed off perfectly square, the gage-plate B preventing the file from dressing the teeth unevenly.

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

1. In a saw jointer and gage, the cast frame O O I, combined with the gage-plate B, having a slit, P, as and for the purpose specified.

2. In a saw jointer and gage, the cast frame O O I, provided with flanges A A D *a b*, ribs H H', and projecting lugs G G, combined with the clamp-plate E and screw E², as and for the purpose specified.

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

ROBERT E. POINDEXTER.

Witnesses:

E. O. FRINK,
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