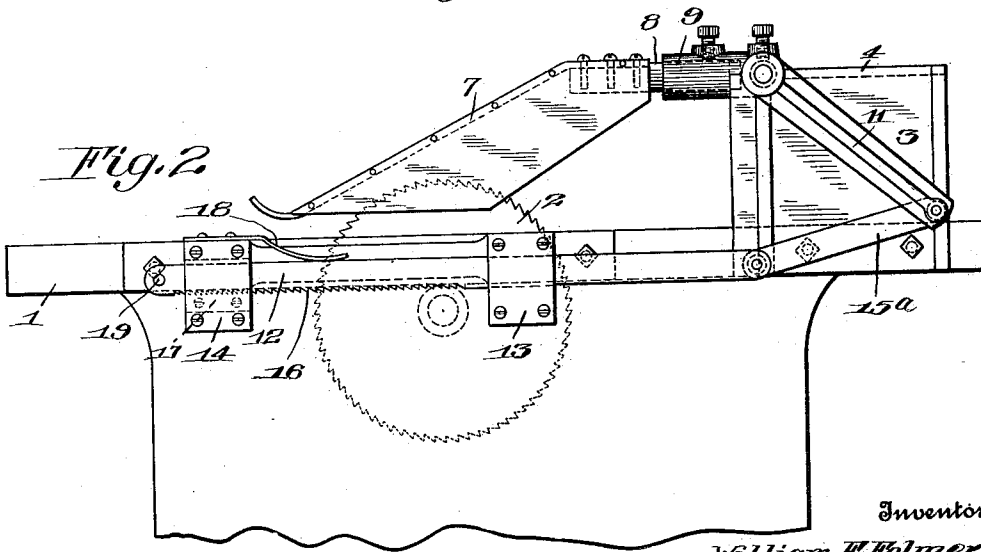
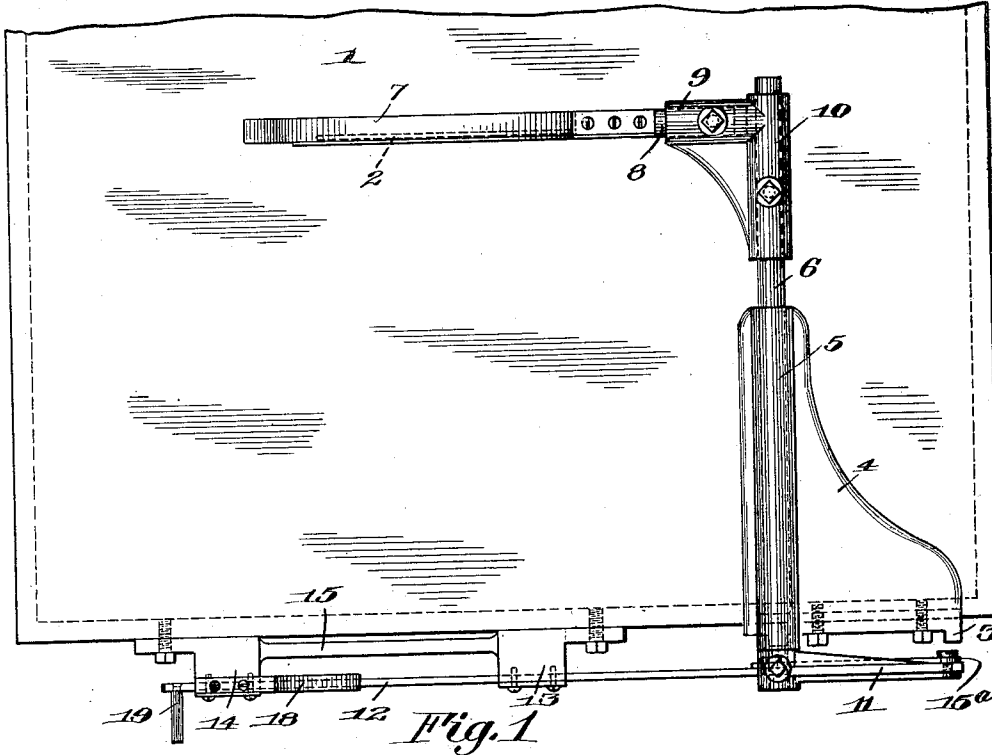


W. F. FOLMER.
SAW GUARD.
APPLICATION FILED FEB. 10, 1913.

Patented Feb. 2, 1915.
2 SHEETS—SHEET 1.

1,126,970.



Inventor
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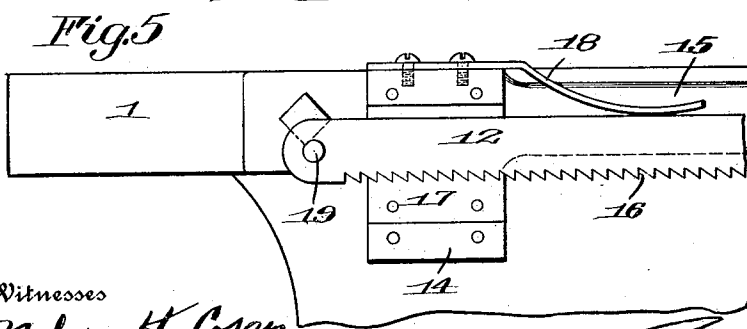
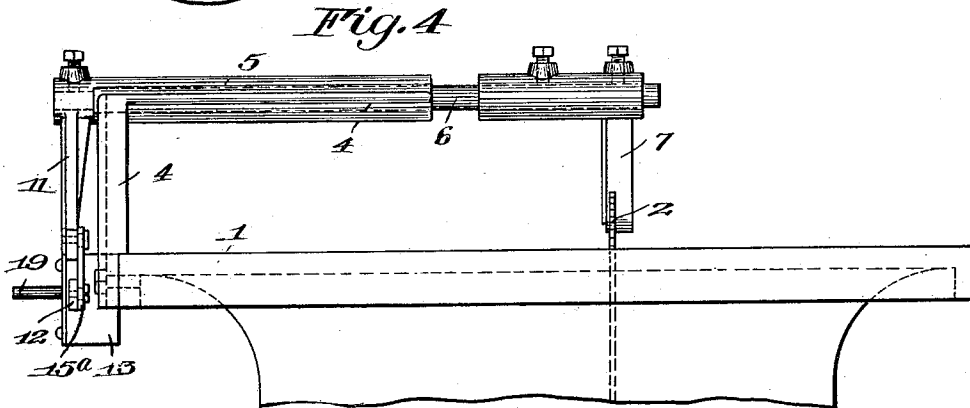
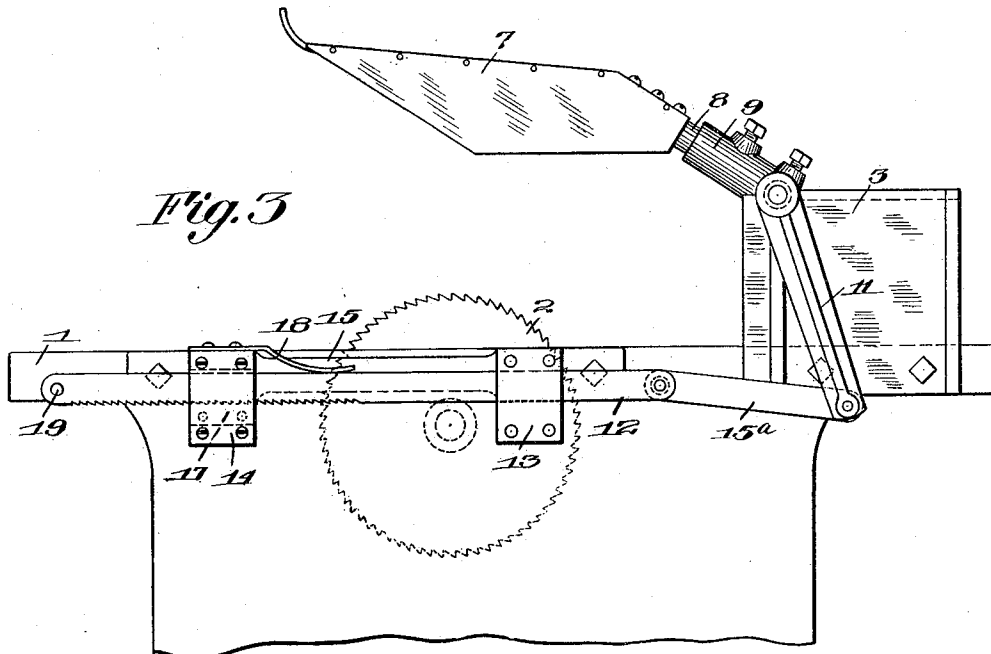
By *Church & Dick*
his Attorneys

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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

WILLIAM F. FOLMER, OF ROCHESTER, NEW YORK, ASSIGNOR TO EASTMAN KODAK COMPANY, OF ROCHESTER, NEW YORK, A CORPORATION OF NEW YORK.

SAW-GUARD.

1,126,970.

Specification of Letters Patent.

Patented Feb. 2, 1915.

Application filed February 10, 1913. Serial No. 747,307.

To all whom it may concern:

Be it known that I, WILLIAM F. FOLMER, of Rochester, in the county of Monroe and State of New York, have invented certain
5 new and useful Improvements in Saw-Guards; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of
10 this specification, and to the reference-numerals marked thereon.

The present invention relates to saw guards, and it has for its object to provide a novel construction and arrangement of
15 parts that coöperate to afford an attachment which is simple in its construction and can be readily manipulated to meet the different needs of a machine.

A further object of my invention consists
20 in providing a construction that permits the guard to be raised or lowered to various positions relatively to the saw table and held rigidly in such position.

To these and other ends the invention
25 consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

30 In the drawings: Figure 1 is a plan view of a saw table equipped with one embodiment of my invention; Fig. 2 is a view in side elevation of the same; Fig. 3 is a similar view, showing the guard when raised. Fig.
35 4 is a rear elevation, and Fig. 5 is an enlarged detail view of the locking means.

Similar reference numerals throughout the several figures indicate the same parts.

In the present embodiment of the machine,
40 1 designates a saw table and 2 is a rotating saw, suitably mounted on a shaft disposed beneath the table 1 as usual in this class of devices. Attached to the table 1, preferably at one side thereof, is the bracket 3 carrying
45 an extension 4 which is provided with a bearing 5 extending lengthwise thereof. Arranged in the bearing 5 is the saw guard support, the latter being preferably in the form of a rotatable shaft 6.

50 7 designates the guard which is secured on a post 8, the latter being mounted on the shaft 6 by means of a suitable angular coupling embodying sleeves 9 and 10 adapted to be attached to the post 8 and shaft 6,
55 respectively, and also susceptible of adjust-

ment thereon. The shaft 6 is provided at its opposite end with an arm 11 which is fixedly mounted thereon, and coöperates with the controlling member to effect adjustment of the guard in the manner that will now
60 be described.

The guard may be adjusted upwardly or downwardly to different positions with relation to the saw, and to this end there is provided an actuating device which is operatively connected to the saw guard so that
65 when it is moved, the guard will be adjusted correspondingly. Preferably, the controlling member consists of the controller bar 12, mounted at one side of the saw table, and slidably arranged in guides 13 and 14
70 respectively, which are formed on a bracket 15, the ends of the latter being attached to the saw table. The controller bar 12 is pivotally connected by means of a link 15^a to
75 the arm 11 so that when it is moved rearwardly, it causes a corresponding downward movement of the saw guard, and vice versa. The controller bar 12 is provided with a
80 toothed lower edge 16, extending for a substantial distance lengthwise of the bar, and coöperating with the stationary locking member or toothed abutment 17 mounted in the guide 14.

18 is a leaf spring secured to the guide
85 14 and engaging the upper side of the controller bar so as to press the latter toward the stationary locking member or abutment 17. A handle 19 is provided whereby the controller bar may be lifted against the
90 action of the spring 18 when it is desired to adjust the guard. When the desired position is obtained, upon releasing the handle 19, the controller bar is forced into engagement with the toothed abutment 17 and held
95 positively against further movement.

I claim as my invention:

1. The combination with a vertically movable saw guard, of a rotatable shaft on which the guard is carried, an arm fixed on
100 said shaft, a slidable controller bar embodying a toothed portion, a link connecting the controller bar and said arm, a guide for the controller bar, a toothed abutment in the guide having engagement with said controller
105 bar, and a spring coöperating with the controller bar to hold it yieldably against said abutment.

2. The combination with a swinging saw guard, of a shaft on which the guard is
110

fixed, an arm mounted on said shaft, a horizontally arranged controller bar connected to said arm and having a toothed portion, a toothed abutment having engagement with
5 said controller bar, and means cooperating with the latter for holding it against the abutment.

3. The combination with a vertically movable saw guard, of an arm operatively connected to the guard, a slidable controller bar
10 embodying a locking portion, a link connecting the controller bar and said arm, a guide for the controller arm, a locking member having engagement with the locking portion

of the controller bar and means cooperating
15 with the controller bar and acting to hold it yieldably against the locking member.

4. The combination with a swinging saw guard, of a shaft on which the guard is mounted, a slidable controller bar operatively
20 connected to said shaft, and locking means cooperating with the controller bar and acting to hold it in any adjusted position.

WILLIAM F. FOLMER.

Witnesses:

RUSSELL B. GRIFFITH,
H. E. STONEBRAKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."