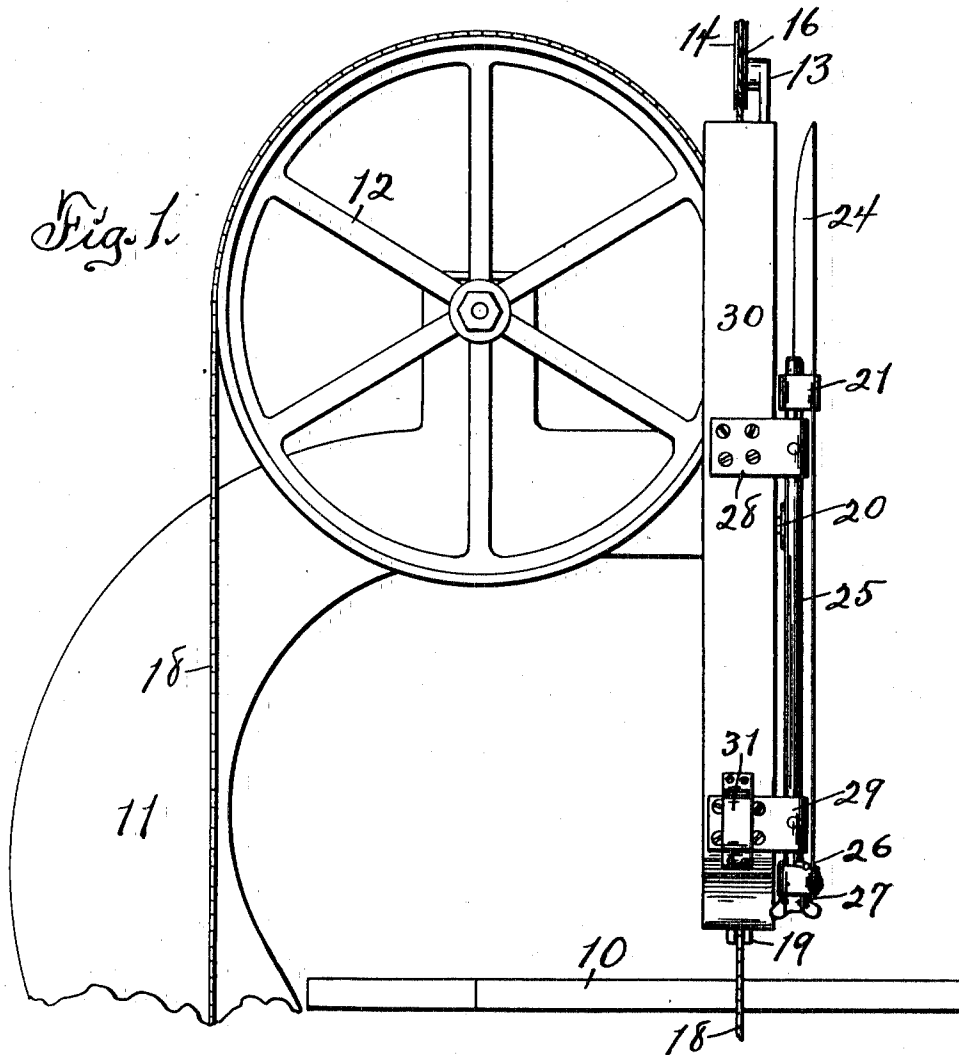


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SAFETY GUARD FOR BAND SAWS.
APPLICATION FILED FEB. 7, 1912.

1,059,400.

Patented Apr. 22, 1913.

2 SHEETS—SHEET 1.



Attest:
F. D. Thompson
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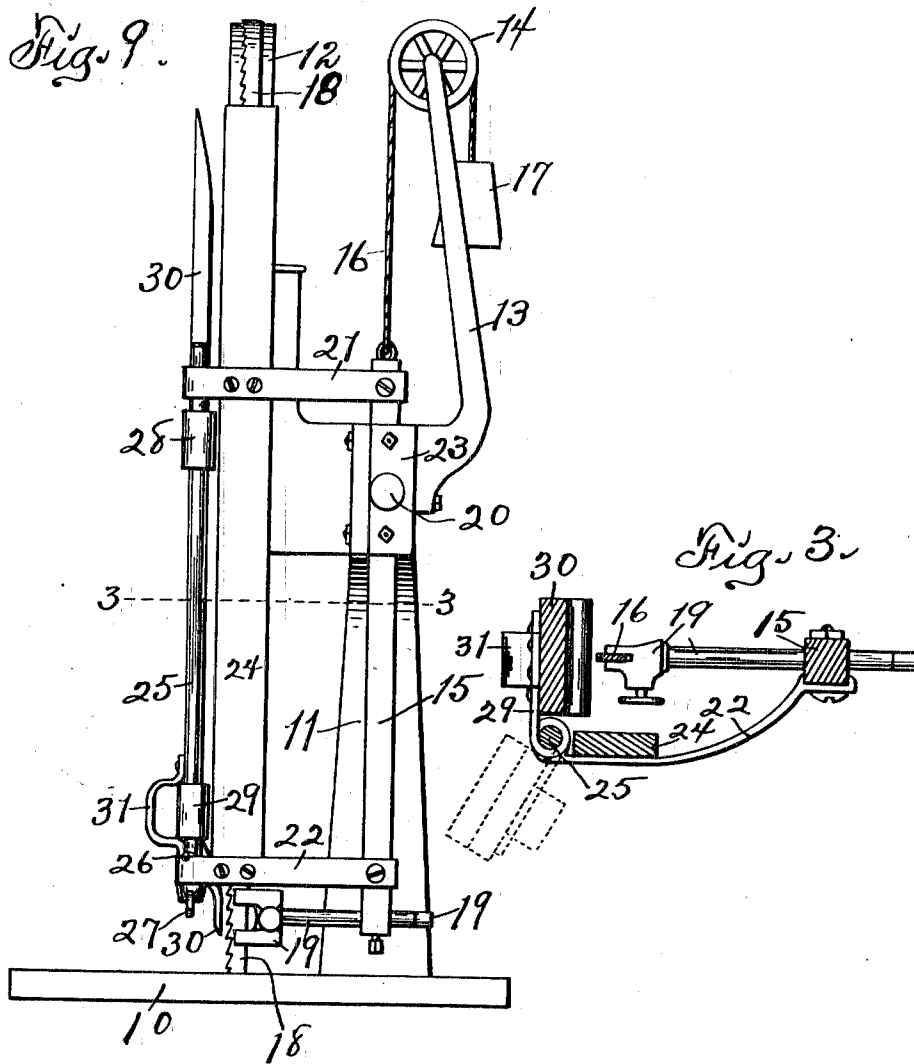
Inventor:
Charles O. Seberg
By H. Sweet Atty

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UNITED STATES PATENT OFFICE.

CHARLES O. SEBERG, OF MARSHALLTOWN, IOWA.

SAFETY-GUARD FOR BAND-SAWS.

1,059,400.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed February 7, 1912. Serial No. 675,989.

To all whom it may concern:

Be it known that I, CHARLES O. SEBERG, citizen of the United States of America, and resident of Marshalltown, Marshall county, Iowa, have invented a new and useful Safety-Guard for Band-Saws, of which the following is a specification.

The object of this invention is to provide means for shielding or guarding a band-saw from accidental contact with the hands of a sawyer using the same.

A further object of this invention is to provide means for adjusting a guard or shield vertically relative to the table of a band-saw.

A further object of this invention is to provide means for opening and closing a guard or shield relative to a band-saw.

My invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in my claim and illustrated by the accompanying drawing, in which—

Figure 1 is an elevation showing my improved device mounted relative to a band-saw as required for practical use. Fig. 2 is an elevation at right angles to Fig. 1. Fig. 3 is a cross-section on the indicated line 3—3 of Fig. 2.

In the construction and application of the devices as shown, the numeral 10 designates a table, 11 a frame head, 12 a wheel, 13 an arm, 14 a sheave, 15 a balanced bar, 16 a cord and 17 a weight for balancing said bar, 18 a band-saw and 19 a guide carried by the bar and partially embracing the saw.

All of the elements thus far recited, together with a set screw 20 adapted to engage and fix the bar 15 at any desired elevation, are common and well known in the art to which this invention relates and are here shown conventionally. The bar 15, in particular, may be of any desired shape so long as it retains the characteristic of carrying the guide and being vertically adjustable to set the guide at desired spacing relative to the work on the table.

Hinge-members 21, 22 are fixed to the bar 15 above and below the slide-bearing 23, through which said bar is adjustable, and extend horizontally therefrom parallel with and across the forward portion of the band-saw 18. A guard plate 24 is fixed to the outer end portions of the hinge-members 21, 22 parallel with and adjacent to the forward

portion of the band-saw 18. A pintle or hinge-pin 25 is mounted pivotally in outer end portions of the hinge-members 21, 22 and a pin 26 is mounted through said pintle and normally rests in notches in said hinge-member 22. A thumb nut 27 is screwed on the lower end of the pintle 25 and normally locks said pintle against upward movement such as would relieve the pin 26 from its seat in the notches of the hinge-member 22. Hinge members 28, 29 are fixed to pintle 25 between the first hinge-members and spaced therefrom and extend laterally from said pintle. In closed position, the members 28, 29 extend across the toothed edge of the band-saw 18. A guard plate 30 is fixed to the hinge-members 28, 29 and extends vertically adjacent to and in front of the toothed edge of the band-saw 16. The lower end portion of the guard plate 30 preferably is offset inwardly into close relation to the toothed edge of the band saw, for convenience in obstructing as little as may be the pattern lines on the work to be sawed from the vision of the sawyer. The guard plates 24 and 30 are spaced from the table 10 sufficiently for the work to be sawed to be inserted beneath them. A handle 31 is mounted on the guard plate 30 and extends across the hinge-member 29.

In practical use, the guard or shield elements may be adjusted vertically, in respect of the table 10 and work thereon by grasping the handle 31 with one hand, releasing the set screw 20 with the other hand and then raising or lowering these elements and the bar 15 by manual force applied to the handle.

It will be observed that the guard elements, guide and bar are counter-balanced by the weight 17.

When it is desired to have access to the saw at some point protected by the guard plate 30, the thumb nut 27 is unscrewed slightly and the plate, hinge members 28, 29, pintle 25 and pin 26 are raised by lifting the handle 31, after which said elements may be turned through an arc articulating on the axis of the pintle, as shown by dotted lines in Fig. 3.

I do not desire to be understood as limiting myself to the precise construction illustrated and described as the same may be modified in many particulars without departing from the invention disclosed.

I claim as my invention—

A safety guard for band-saws, comprising
a bar arranged for vertical adjustment,
hinge-members fixed to said bar and extend-
5 ing laterally therefrom in spaced relations, a
pintle pivoted in said hinge-members, inter-
engaging means between said pintle and
hinge-members, other hinge-members fixed
to and extending laterally from said pintle
10 in spaced relations to each other and to the

first hinge-members, and guard plates fixed
to said hinge-members and adapted for loca-
tion parallel with and in proximity to a saw.

Signed by me at Marshalltown, Iowa, this
7th day of December, 1911.

CHARLES O. SEBERG.

Witnesses:

GUST W. NVID,

HAROLD C. LOUNSBERRY.