

J. LOEFFLER.  
SHAPER GUARD.

APPLICATION FILED JAN. 22, 1908.

925.114.

Patented June 15, 1909.

2 SHEETS—SHEET 1.

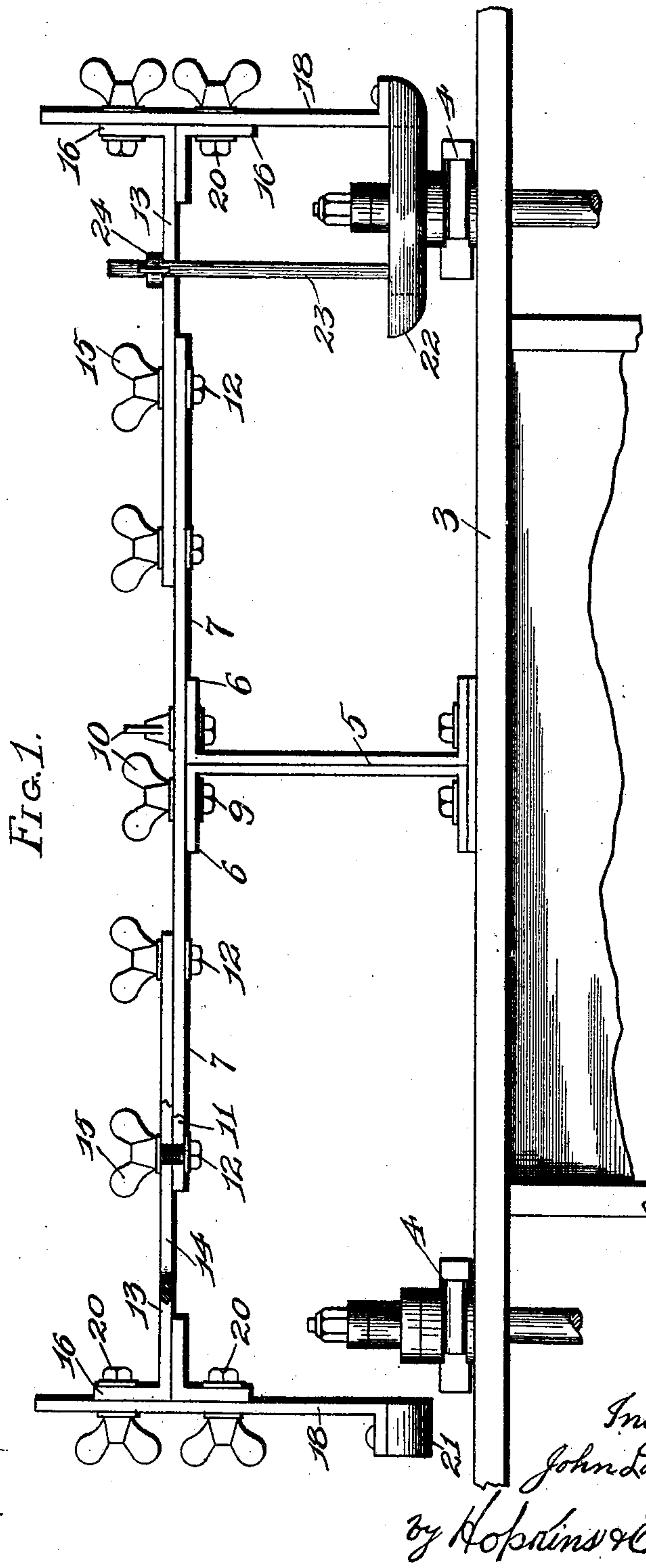


FIG. 1.

Witnesses  
W. C. Stein  
L. A. L. McIntyre

Inventor  
John Loeffler  
by Hopkins & Eicks, Attys

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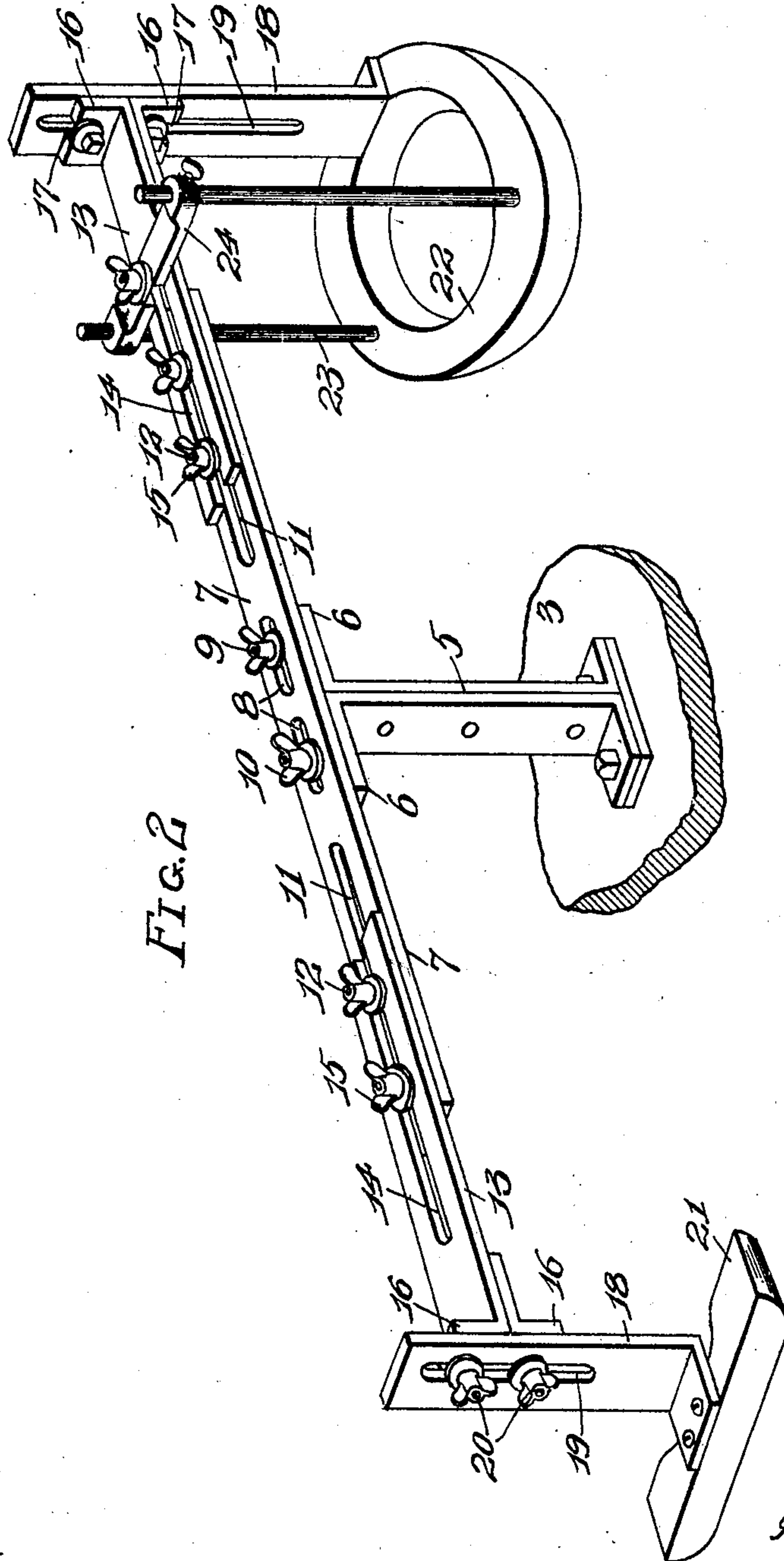


FIG. 2

Witnesses  
H. C. Stein.  
L. A. L. De Intyre

Inventor  
John Loeffler  
by Hopkins & Eicks, Attys.



# UNITED STATES PATENT OFFICE.

JOHN LOEFFLER, OF ST. LOUIS, MISSOURI.

## SHAPER-GUARD.

No. 925,114.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed January 22, 1908. Serial No. 412,068.

*To all whom it may concern:*

Be it known that I, JOHN LOEFFLER, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Shaper-Guards, of which the following is a specification.

This invention relates to improvements in shaper guards, and consists in the novel arrangement, construction and combination of parts as will be fully hereinafter described and claimed.

The object of my invention is to construct a shaper guard to be placed on the table of the shaper, the parts being adjustable, so as to accommodate the various widths and thicknesses of material to be brought in contact with the shaper knives, the guard being essentially constructed to protect the hands of the workmen.

Figure 1 is a side elevation of my complete invention, shown in position on a shaper table. Fig. 2, is a perspective view of the same.

As shown in the drawings, 3 indicates a shaper table, provided with the revolving knives 4, which are of the ordinary construction, used on shaping machines. On the table is rigidly bolted a center support 5, and upon its upper flanges 6, is placed a plate 7, provided with a pair of elongated center slots 8, through which are passed bolts 9, held in the flanges 6, and said plate 7 is held in rigid position upon the flanges 6, by the thumb nuts 10. The ends of the plate 7 are provided with elongated slots 11 which permit the adjustment of the bolts 12, so that forward or rearward movement is allowed, the extension plates 13, which are also provided with corresponding elongated slots 14. These extension plates are held in their adjusted position upon the plate 7, by the thumb nuts 15. The outer ends of the extension plates are provided with flanges 16, in which are formed

slots 17 and against the outer face of the flanges 16, are placed guard plates 18 also 45 provided with elongated slots 19, so that said guard plates may be adjusted vertically and are retained in their adjusted position by the bolts 20, this vertical adjustment will accommodate the various thicknesses of the ma- 50 terial to be brought in contact with the knives. To the lower end of the guard plate is attached a shoe 21, which is brought in contact with the material, on the opposite guard plate I attach a circular guard 22 55 which is designed to be placed directly over the shaper knife, and the said circular guard is supported in a horizontal position by the rods 23, adjustably supported in a bar 24. I may if desired place on either end a like set of 60 guards, depending upon the work to be shaped, the horizontal adjustment is to be governed by the width of the material.

Having fully described my invention what I claim is:

A device of the class described comprising a rectangular rigid center support 5; a plate 7 provided with a plurality of elongated slots lengthwise of the plate adjustably mounted on the top of said center support 5; and ex- 70 tension plates 13 supported on the ends of the plate 7 likewise slotted; slotted guard plates 18 adjustably mounted on the ends of the plates 13; a shoe 21 attached to one of the plates 18 and a circular guard supported to 75 bottom of the opposite plate 18, a bar 24 supported on one of the plates 13, and rods 23 connecting the bar 24 with the circular shoe 22, substantially as specified.

In testimony whereof, I have signed my 80 name to this specification, in presence of two subscribing witnesses.

JOHN LOEFFLER.

Witnesses:

ALFRED A. EICKS,  
WALTER C. STEIN.