No. 639,863. Patented Dec. 26, 1899.

E. O. PREISSLER.

MECHANISM FOR OPERATING TABLES OF MACHINE TOOLS.

(Application filed Feb. 23, 1899.)

(No Model.)

Fig. 1.

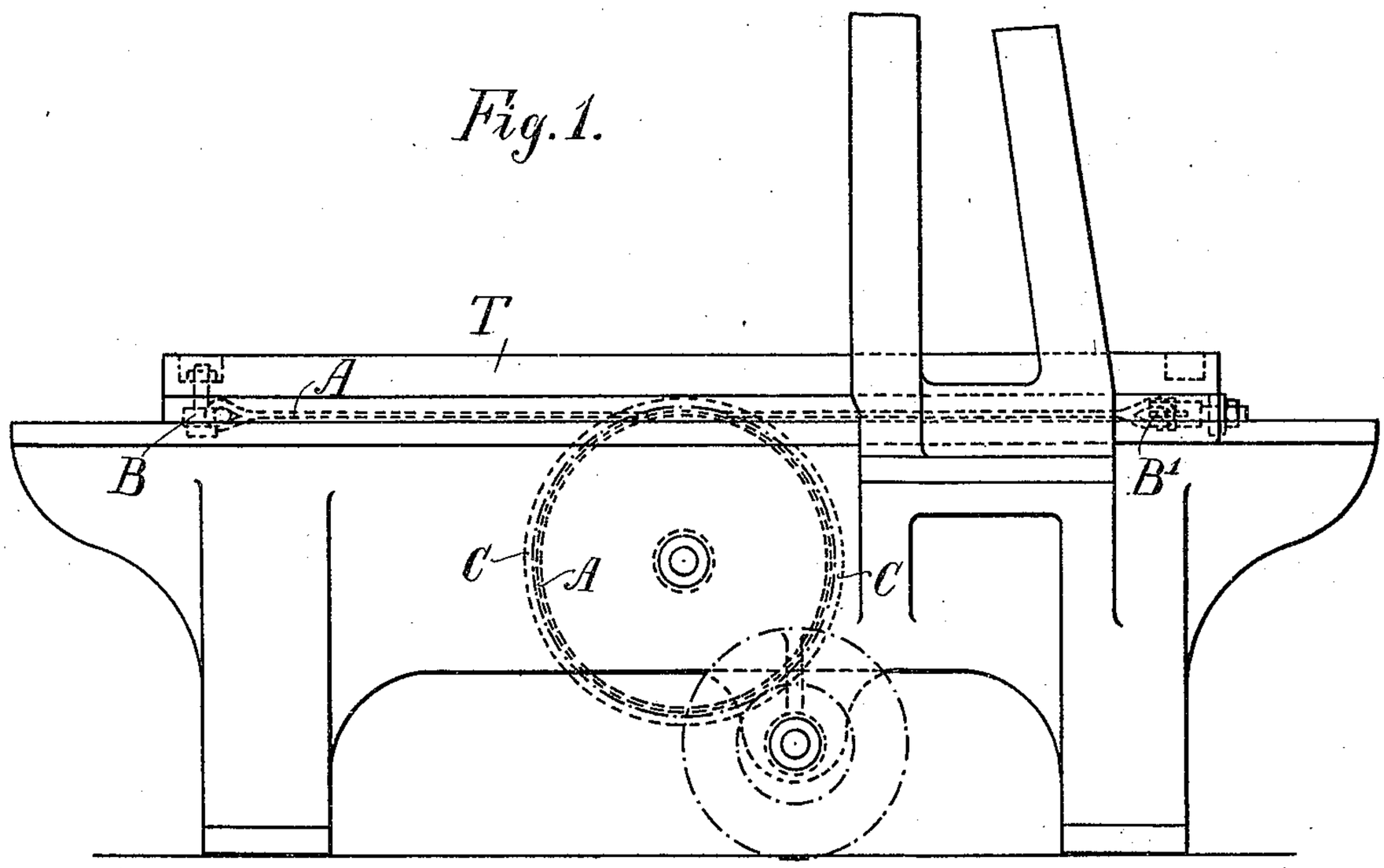
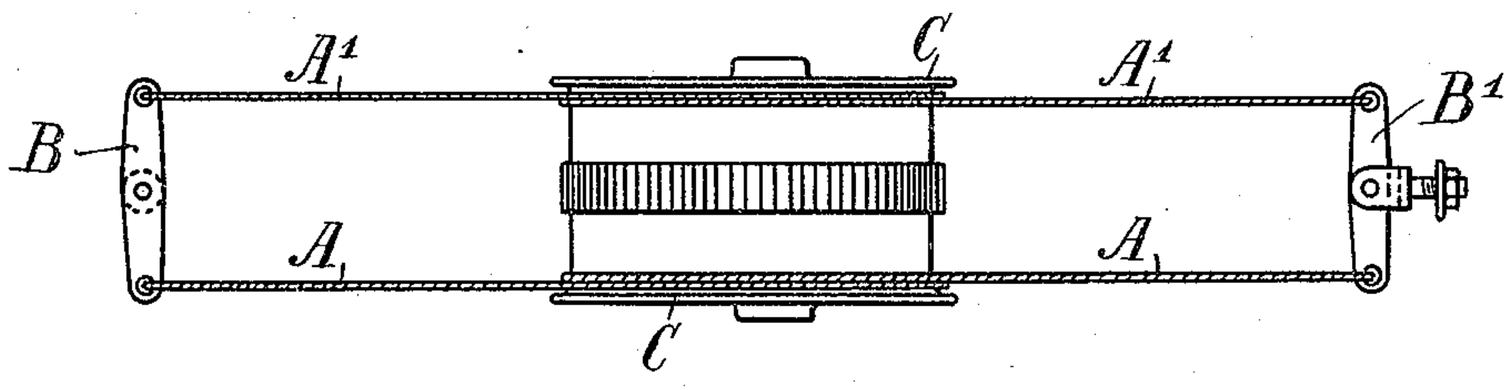


Fig. 2.



Witnesses:
Alfred Mönting
Hugo Böhme.

Inventor:
Ernst Otto Preissler
by: Eustace & Hopkins
Att'y.

UNITED STATES PATENT OFFICE.

ERNST OTTO PREISSLER, OF LEIPSIC, GERMANY, ASSIGNOR TO KIRCHNER & CO., OF LEIPSIC-SELLERSHAUSEN, GERMANY.

MECHANISM FOR OPERATING TABLES OF MACHINE-TOOLS.

SPECIFICATION forming part of Letters Patent No. 639,863, dated December 26, 1899.

Application filed February 23, 1899. Serial No. 706,624. (No model.)

To all whom it may concern:

Be it known that I, ERNST OTTO PREISSLER, a subject of the King of Saxony, and a resident of Leipsic, Kingdom of Saxony, Germany, have invented certain new and useful Improvements for Operating Tables of Machine-Tools, of which the following is a full, clear, and exact description.

The present invention consists of improvements in means for operating the tables of machine-tools or other reciprocating tables or carriages, as hereinafter set forth.

In order to render the specification more easily intelligible, reference is had to the accompanying drawings, in which similar letters of reference denote similar parts throughout both views.

Figure 1 is a side elevation of a planing-machine provided with the improvement, and Fig. 2 a plan of the mechanism.

The cords, chains, or wires A A′, which serve to transmit the reciprocatory motion of the drum C to the table, are attached at each end to yokes B B′. The latter are pivotally connected to the under side of the table or carriage T at their centers, as will be clearly seen from Fig. 2. The drum is provided with teeth which engage or mesh with the driving-pinion for the table or carriage in the well-known manner.

Instead of a single drum C, separate drums may be employed for the cords and an ordinary gear for the driving-pinion.

By connecting the cords, wires, or chains A A′ to the pivotally-supported yokes any unequal tension which might be exercised on the same is entirely compensated and an even working of the table insured.

The invention consists, substantially, in the manner of connecting the actuating cords, wires, or chains to the ends of the table.

I claim as my invention—

In a device for reciprocating the tables of machine-tools having a rotary drum and a pair of driving cords or ropes, wound around the same, the combination of levers B B′ pivoted at their center to each end of the table, the said cords being attached to the ends of the opposite levers substantially as described.

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

ERNST OTTO PREISSLER.

Witnesses:
HANS. SACK,
B. H. WARNER, Jr.