

No. 711,673.

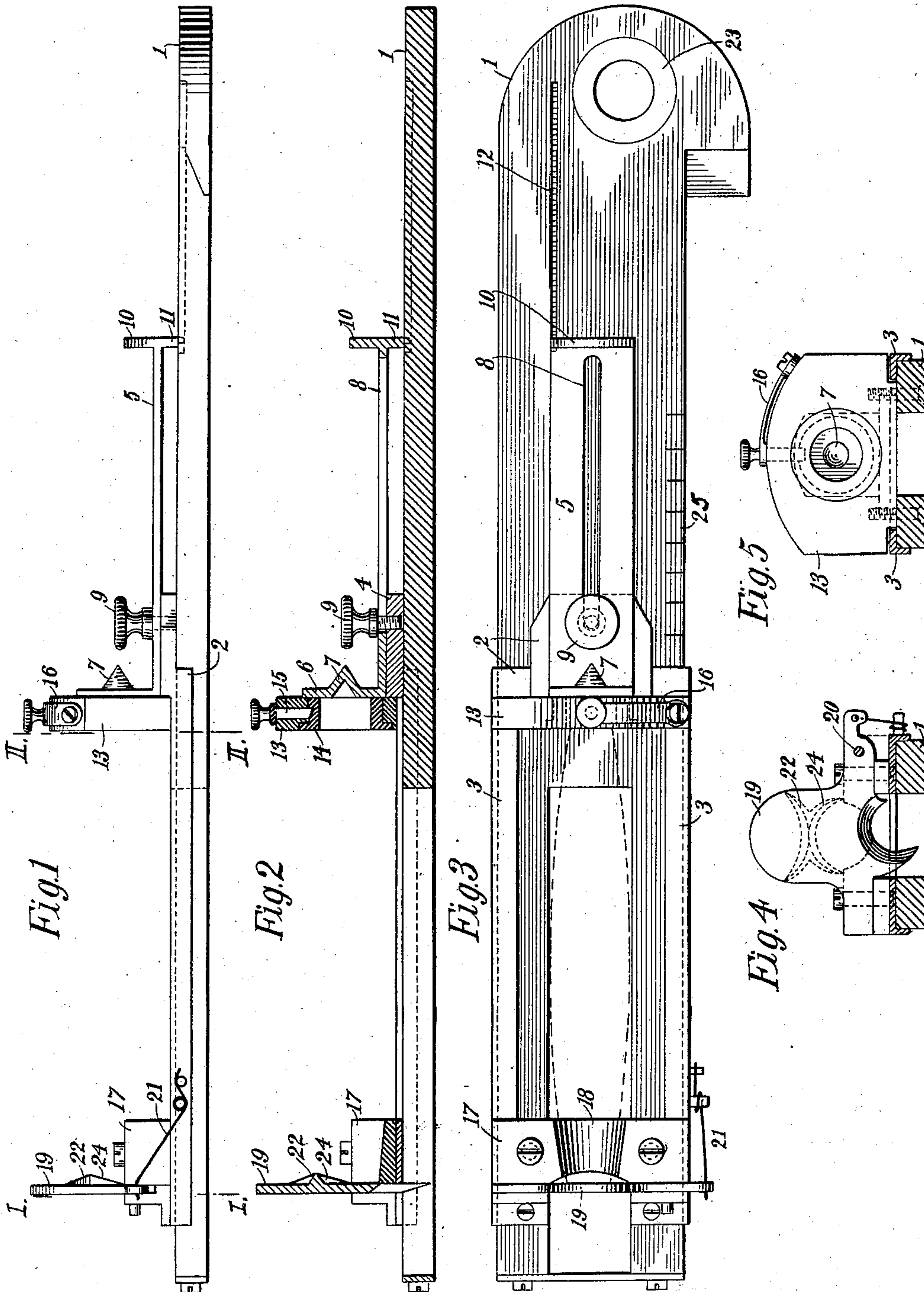
Patented Oct. 21, 1902.

D. PALMGREN.

GAGE FOR MEASURING AND CUTTING CIGARS.

(Application filed Feb. 24, 1902.)

(No Model.)



Witnesses:
Raphael Ketter
S. J. Dunham

David Palmgren, Inventor

by Kerr, Page & Cooper, Attys.

UNITED STATES PATENT OFFICE.

DAVID PALMGREN, OF BROOKLYN, NEW YORK, ASSIGNOR TO LEOPOLD LEWISHEIM, OF NEW YORK, N. Y.

GAGE FOR MEASURING AND CUTTING CIGARS.

SPECIFICATION forming part of Letters Patent No. 711,673, dated October 21, 1902.

Application filed February 24, 1902. Serial No. 95,480. (No model.)

To all whom it may concern:

Be it known that I, DAVID PALMGREN, a subject of the King of Sweden and Norway, and a resident of the borough of Brooklyn, city of New York, county of Kings, and State of New York, have invented certain new and useful Improvements in Gages for Measuring and Cutting Cigars, of which the following is a specification, reference being had to the drawings accompanying and forming a part of the same.

The object of my invention is to provide a gage whereby the diameter of a cigar may be readily and accurately determined and to provide improved means for cutting or trimming the cigar to a predetermined length.

It consists of the novel features hereinafter described, and more particularly pointed out in the claims.

In the drawings, Figure 1 shows a side view of my improved gage; Fig. 2, a longitudinal section through the center of the same; Fig. 3, a top plan view; Fig. 4, a section on line I I of Fig. 1, showing the cutting mechanism with the knife closed; and Fig. 5, a section on line II II of Fig. 1, showing the means for gaging the thickness of the cigar.

Throughout the drawings, 1 represents the base of my gage, preferably of the form shown in Fig. 3, having a cut-away portion on one side and of any suitable material. Secured to the upper side of the base is the sliding plate or movable member 2, open in the center and having the angular portions 3 3 embracing the base on each side to serve as guides for the movement of the part 2.

Fastened on the sliding member 2 is the adjustable stop 5. This stop consists, preferably, of a plate having an upturned end 6, in which is a conical socket 7, the purpose of which will be set forth hereinafter. Through the center of the stop is a slot 8 to receive a set-screw 9, by which the stop is secured in adjusted position. The other end of the stop has the upwardly-projecting part 10, to be grasped in adjusting the same, and the downwardly-projecting part 11, which has a further extension working in the guide-groove 12.

Fixed to the base at a convenient point intermediate the stop and the cutter described below is the block 13, having cut-away por-

tions in its lower corners to receive the guides 3 3, as is more clearly shown in Fig. 5. In the block 13 is the gage-ring 14, secured in position by means of the bolt 15, fitting into a socket in the ring and held by a spring 16.

The cutter consists of a pillow 17, having a hollow 18 and a knife 19, pivoted at 20 and held in a raised position by the spring 21. The cutting mechanism is fastened to the guides 3 3 and moves therewith, as will be explained hereinafter. The crescent-shaped projection 22 on the plate 19 is a rest or stop for the finger in the cutting operation, and the projection 24 serves to hold the cigar firmly against the pillow 17 after it is cut or trimmed.

From the foregoing the manner of using my device will be clear. The stop 5 is adjusted on the sliding plate 2, so that the distance between the knife 19 and the conical socket 7 equals the desired length of the cigar. This distance is determined by reference to the scale 25 on the edge of the base. Having been properly adjusted, the stop is firmly locked in position by tightening the set-screw 9. In the block 13 is then placed a gage-ring, as 14. There are twenty-three of these rings, ranging in size from "32" to "54" and having selected the size with an opening equal to the desired diameter of the cigar it is secured in the part 13. A cigar is now laid on the gage, the pointed end resting in the conical socket 7, the other in the hollow 18 of the pillow 17. The end having been cut off by depressing the knife 19, the thickness is tested by sliding the stop and cutting mechanism, the cigar being still held therein along the base. If the cigar will pass through the gage-ring smoothly without injury or the necessity of using too much force, it is correct in size and is accepted; otherwise it is incorrect and is rejected.

In the end of the base 1 is provided an opening for an additional gage-ring 23, which also may be used to determine the thickness of the cigar—as, for example, the diameter of one which is too large to pass through the ring in the block 13.

It will thus be seen that by my device cigars may be cut to the right length with great rapidity and accuracy, and at the same time

their thickness may be tested with equal speed and sureness.

It is obvious that my invention may be variously embodied and may also be used for
5 other purposes than in the manufacture of cigars. I do not consider myself limited to the precise form described; but

What I claim as my invention is—

1. A gage for measuring and cutting cigars,
10 comprising a base, a stop, cutting mechanism opposite the latter, and means intermediate the stop and the cutting mechanism for gaging the thickness of the cigar.

2. A gage for measuring and cutting cigars,
15 comprising a base, a stop adapted to be moved on said base, cutting mechanism opposite the stop and connected thereto so as to be moved therewith, and means intermedi-

ate said stop and said cutting mechanism whereby when the latter are moved on the
20 base the thickness of the cigar will be gaged.

3. A gage for measuring and cutting cigars, comprising a base, a stop adapted to be moved on said base, cutting mechanism opposite the stop and connected thereto so as to
25 be moved therewith, a block intermediate said stop and said cutting mechanism, and a gage-ring in said block, whereby when the stop and cutting mechanism are moved on the base the thickness of the cigar will be
30 gaged, as set forth.

DAVID PALMGREN.

Witnesses:

GEORGE HOLLAND,
LEOPOLD LEWISHEIM.