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MAY 25, 1943.
BY A. P. C.

T. OHMOTO
DISPLACING DEVICE FOR THE NUMERAL
WHEEL CARRIAGE IN A ROTARY
CALCULATING MACHINE
Filed Aug. 8, 1939

Serial No.
288,964
5 Sheets-Sheet 1

Fig. 1.

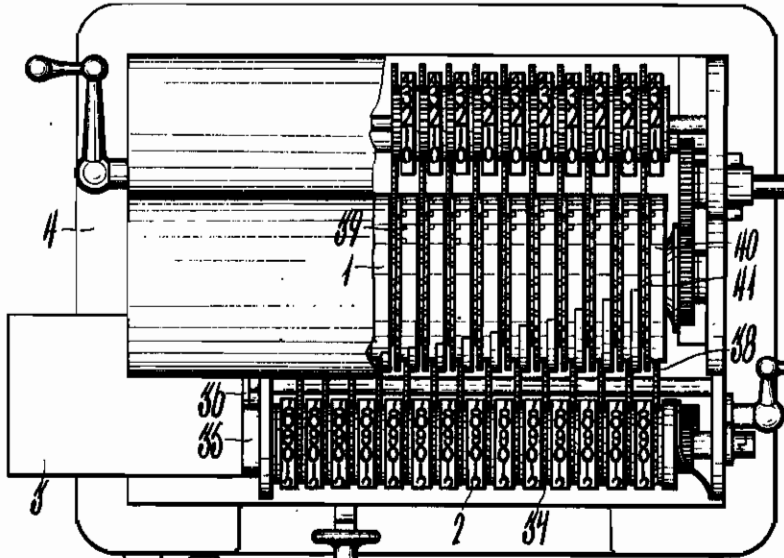
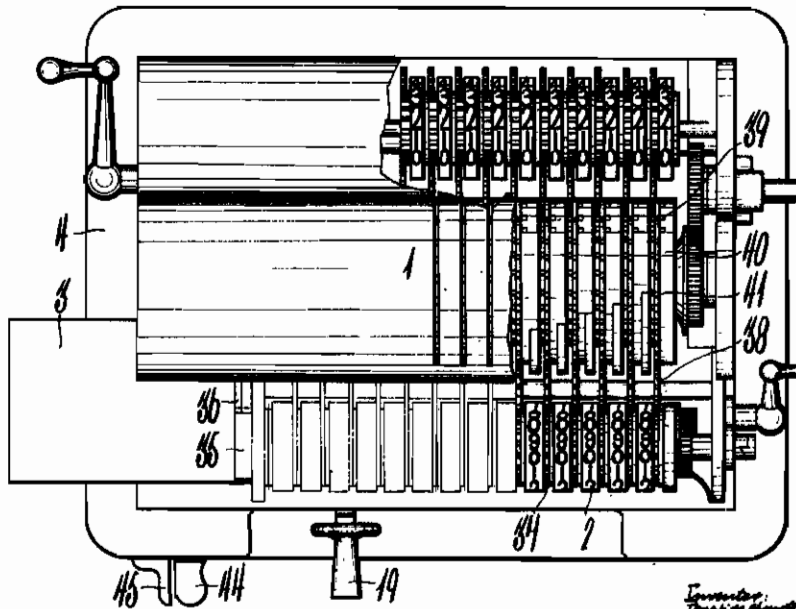


Fig. 2.



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Fig. 3.

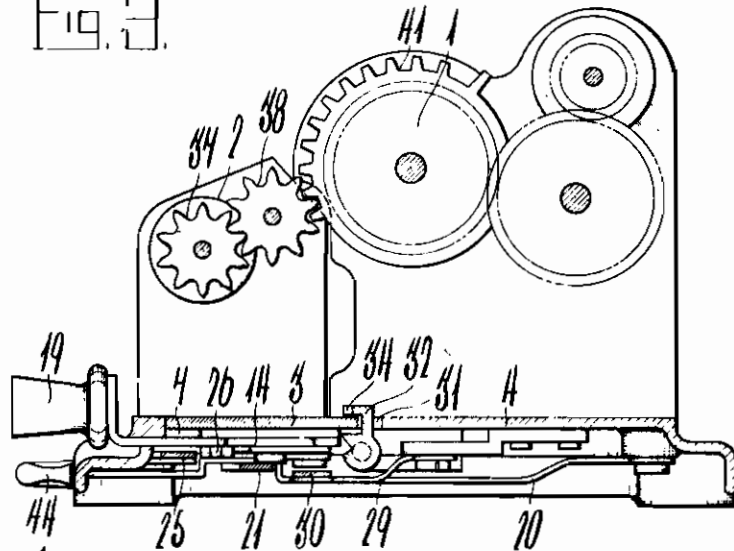
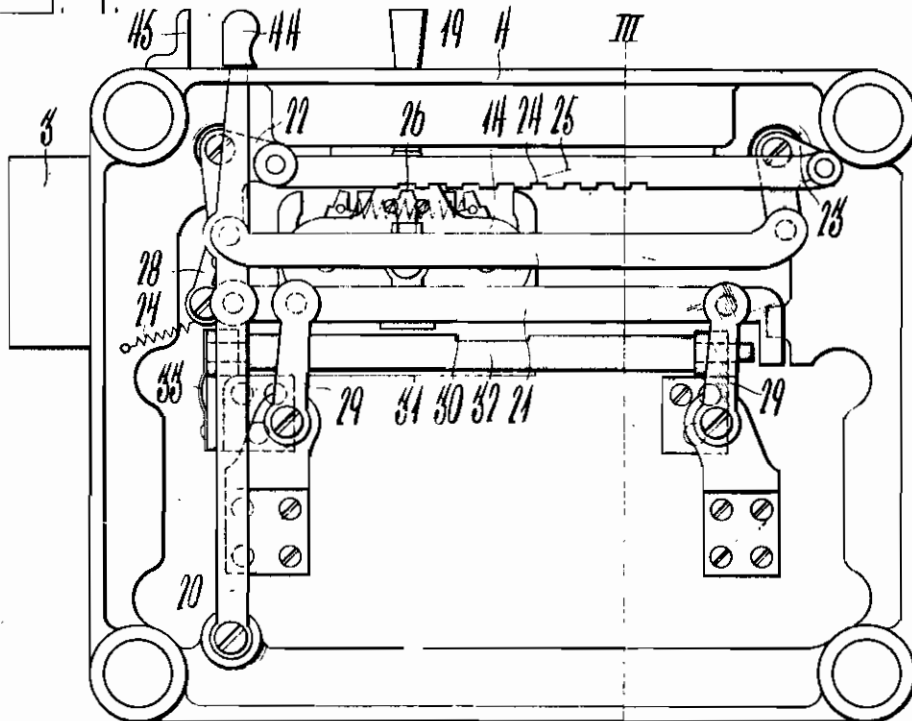


Fig. 4.



III

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Tosyoko Shimbun
PA 11 10 1939*

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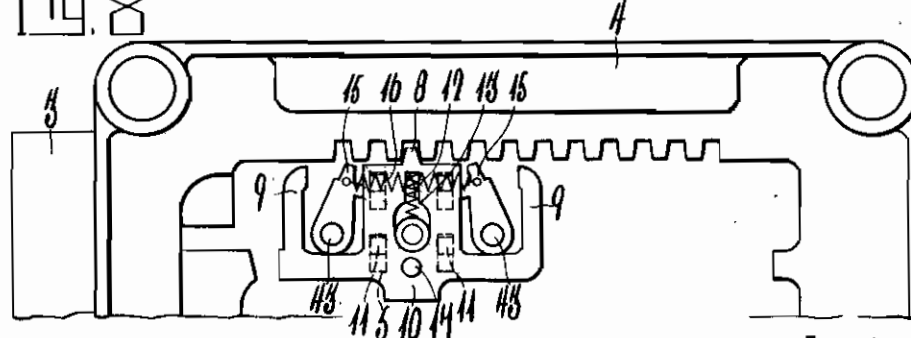
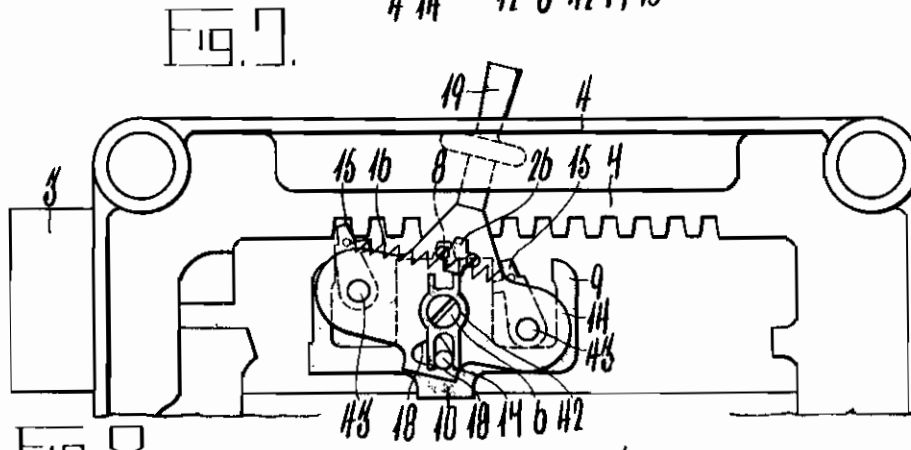
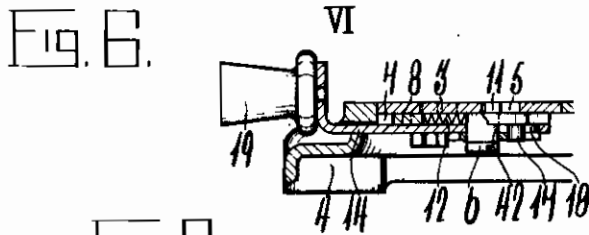
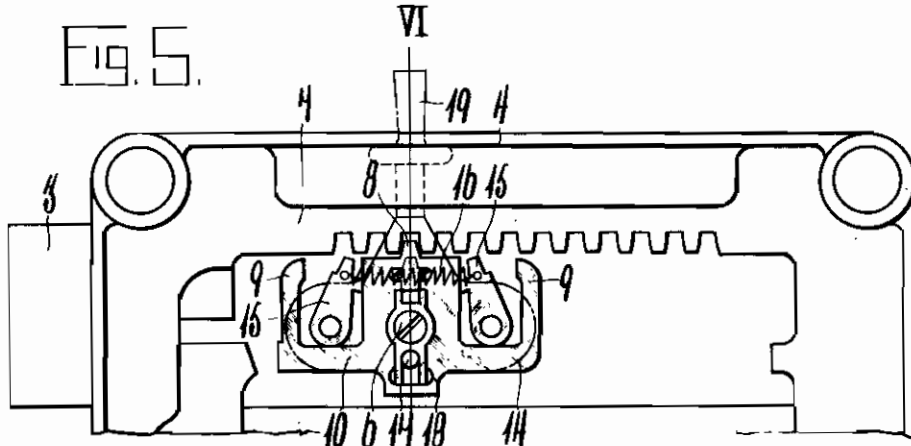
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FIG. 9.

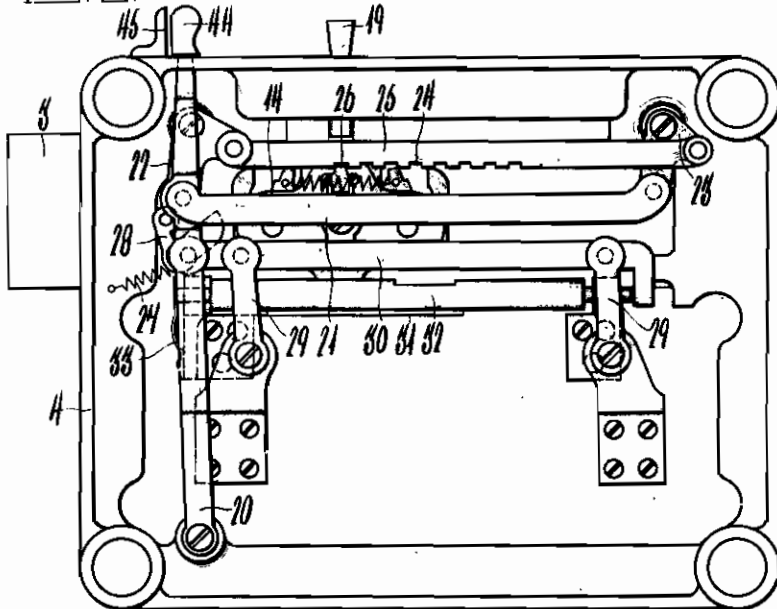
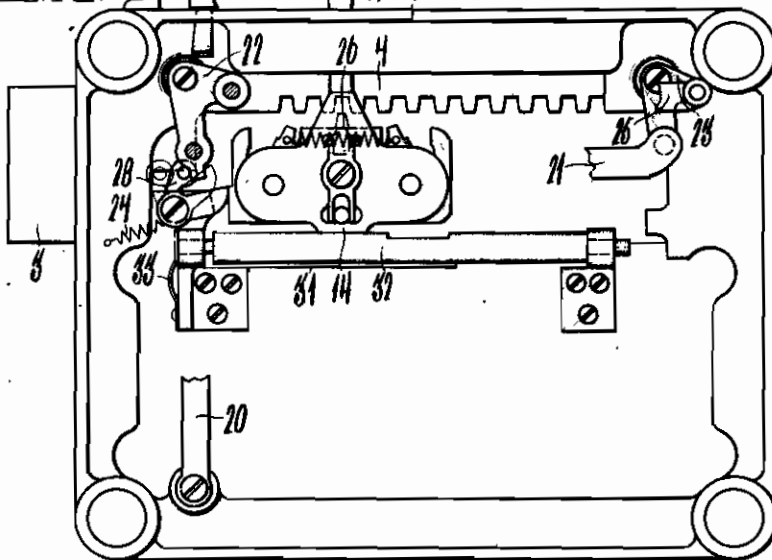


FIG. 10.



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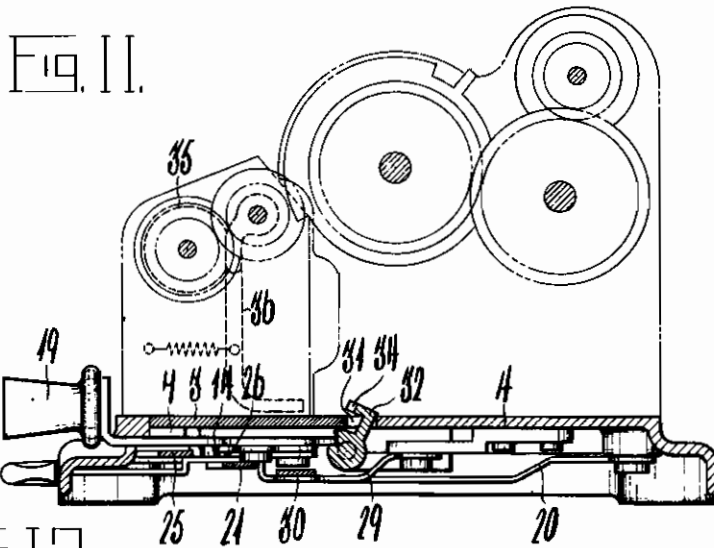
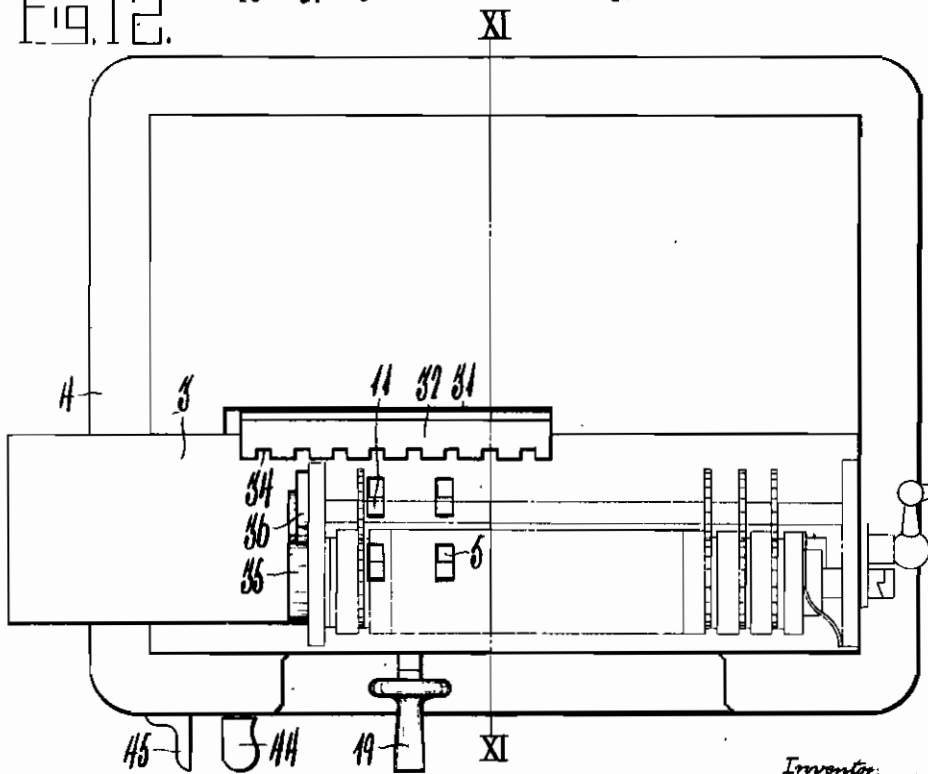


Fig. 12.



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ALIEN PROPERTY CUSTODIAN

DISPLACING DEVICE FOR THE NUMERAL WHEEL CARRIAGE IN A ROTARY CALCULATING MACHINE

Torajiro Ohmoto, Higashiyodogawaku, Osaka,
Japan; vested in the Alien Property Custodian

Application filed August 8, 1939

The present invention relates to a displacing device for the numeral wheel carriage in a rotary calculating machine equipped with the mechanism shown in the United States Letters Patent No. 2,087,701.

An object of the invention is to provide means for displacing the numeral wheel by a figure or by any number of figures in either direction in respect to the calculating wheels. Another object of the invention is to provide a device for further slightly shifting the numeral wheels to the left in its extreme left position.

In the accompanying drawings

Fig. 1 is a plan of a calculating machine provided with the device according to the present invention,

Fig. 2 is the plan showing the carriage slightly shifted to the left,

Fig. 3 is a longitudinal elevation on the line III—III of Fig. 4.

Fig. 4 is an underside view of the device of the invention,

Fig. 5 is an underside plan of the device showing the carriage displaced by the figure.

Fig. 6 is a section on the line VI—VI of Fig. 5,

Fig. 7 is an underside plan showing the knob moved to the right,

Fig. 8 is an underside plan showing the rocking plate removed,

Fig. 9 is an underside plan of Fig. 2 showing the device for slight displacement in operation,

Fig. 10 is an underside plan of Fig. 1 showing part of the device for slight displacement removed,

Fig. 11 is a longitudinal side elevation on the line IX—IX of Fig. 12 showing the frame only, and

Fig. 12 is a plan of Fig. 11.

According to the invention the carriage is secured against accidental displacement, as it is held in position by the projection of a slide which is in mesh with a rack and thus cannot shift unless said projection is disengaged by means of a rocking plate, so that any calculation can be quickly and accurately worked. Further, the device is simple in construction and as is all disposed on the underside of the carriage, it is easy to manufacture and to repair.

The invention is further characterised in that the numeral wheel carriage slidably mounted on the frame is displaceable in either direction by moving or first pushing back and moving a rocking plate equipped in said carriage, which is further slightly displaceable to the left in the extreme left position by said rocking plate controlled by an oscillating rod so as to bring the numeral wheel gears into mesh with the intermediate gears, so that on zeroizing the numeral wheel the figures registered thereon are transferred to the calculating wheels.

TORAJIRO OHMOTO.