(No Model.)

# J. N. WILSON.

## ADDING MACHINE.

No. 289,483. Patented Dec. 4, 1883

Fig. 1.

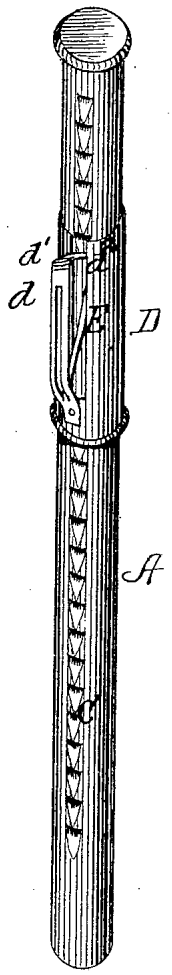
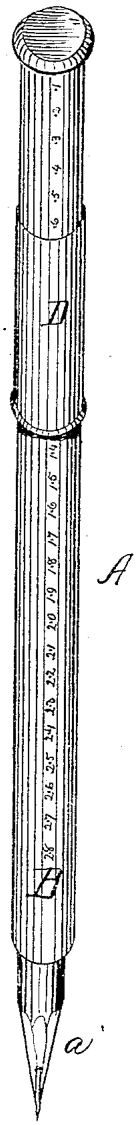



Fig. 2.

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## ADDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 289,483, dated December 4, 1883.

Application filed September 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN N. WILSON, of Carthage, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Ten-Register Adding-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of one side of the device, and Fig. 2 of the opposite.

This invention relates to devices to be used in adding up columns of figures.

The invention consists in the construction hereinafter set forth.

In the annexed drawings, the letter A indicates a stick or pencil having a point, *a*, or not, and made of wood, gutta-percha, or other suitable material. On this pencil is arranged a column of figures, B, running from 1 to any given number. On the opposite side is a series of notches, C, the notches being just as far apart as the figures, and corresponding in position. Sleeved on this pencil is the sliding tube or indicator D, having a spring-finger, *d*, which is secured to the lower end of such tube, and its upper free end, *d'*, passes through a slot, $d^2$, in such tube, and engages the notches C. This tube D fits the pencil snugly, so as to be held by friction; but a spring, E, may be employed, secured to the tube D, and passing through the slot $d^2$ and bearing on the the stick A.

The manner of operating this device is as follows: Take the sliding case or tube between the thumb and finger of the left hand, with the tube slipped up, so as to hide the figure 1, with the other end against the table or book. Then place your right hand upon the column of figures to be added, and begin the addition either upward or downward, (downward preferred;) add in the mind until you have reached ten, when press with the left hand on the sliding case downward against the table until the spring *d* passes over the first ratchet or notch and snaps. This registers the first ten and the figure 1 appears. Let the mind drop back to units and add till ten is reached again, when snap the spring again, and so on till the column is completed. Then place the last unit figure under the first column and look at the figure nearest the sliding case, which tells you how many tens should be added to the next column to be added. Thus the addition of the column may run up to several hundreds, while the mind in adding never passes above ten, but drops back to units as each ten is reached and registered as the addition progresses, while the eye need not leave the column being added.

Having thus described my invention, what I claim is—

1. The stick A, having the series of numbers B, in combination with the indicator or tube D and means, such as described, for retaining the latter at any desired point, as set forth.

2. The stick A, having the series of numbers B and the notches C, in combination with the sliding tube D, having the finger *d*, as set forth.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

JOHN N. WILSON.

Witnesses:
JOSHUA R. HEATH,
A. C. WHITE.