

(No Model.)

W. ROSENKRANZ.
COMBINATION RULE.

No. 593,608.

Patented Nov. 16, 1897.

Fig. 1.

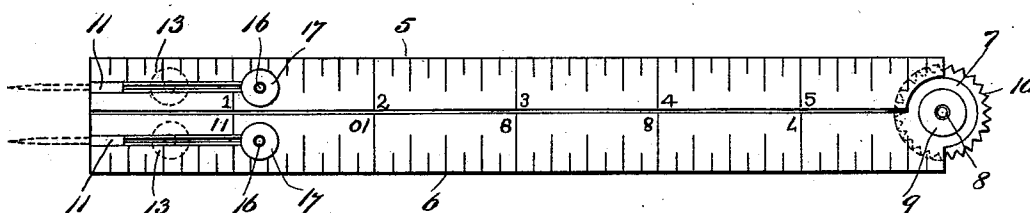


Fig. 2.

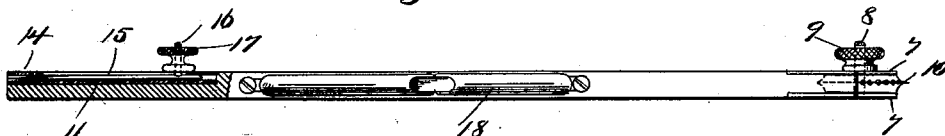
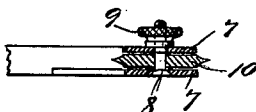


Fig. 3.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM ROSENKRANZ, OF NEW YORK, N. Y.

COMBINATION-RULE.

SPECIFICATION forming part of Letters Patent No. 593,608, dated November 16, 1897.

Application filed July 9, 1897. Serial No. 643,994. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ROSENKRANZ, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Rules, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to rules, and the object thereof is to provide a device of this class which may also be used as a compass, a level, and tracer.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a side view of my improved rule; Fig. 2, a sectional edge view thereof; and Fig. 3, a view similar to Fig. 2, showing a part of the construction in section.

In the drawings forming part of this specification the separate parts of my improvement are designated by the same numerals of reference in each of the views, and in the practice of my invention I provide a rule which consists of two separate parts 5 and 6, which are provided with the usual scales, as clearly shown in Fig. 1, and said separate parts of the rule are hinged together at one end in the usual manner.

In hinging the separate parts of the rule together, as above described, I secure to each part a circular jaw 7, through which is passed a screw or bolt 8, which is provided on one side with a thumb-nut 9, and mounted on said screw or bolt between the separate jaws 7 is a toothed wheel 10, which is adapted to serve as a tracer.

The end of each part of the rule opposite the hinged connection of said parts is provided with a longitudinal plate 11, which is set thereinto and which is provided with a longitudinal slot 13, and each plate is also provided with a longitudinal chamber 14, with which said slot communicates, and mounted in said chamber is a pin 15, to which is secured a screw 16, on which is mounted a thumb-nut 17, and by means of said screw 16 and said nut 17 the pin 14 may be moved outwardly and held at any desired point, the ob-

ject of this construction being to adapt the device for use as a compass.

Countersunk in one side or one part of the rule is an ordinary spirit-level 18, and by means of this construction I provide a rule which in general is of the usual form, but which is adapted to serve as a scriber, a compass, and a level.

The thumb-nut 9 is employed for the purpose of securing the separate parts 5 and 6 of the rule at any desired angle of separation, and whenever it is desired to use the rule as a compass the pins 15 are projected and secured at any desired point by means of the thumb-nut 17.

The operation will be readily understood by all those familiar with this class of devices in view of the foregoing description and the accompanying drawings, and it will thus be seen that I accomplish the object of my invention by means of a device which is simple in construction and operation and which is perfectly adapted to accomplish the result for which it is intended.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

As an improved article of manufacture a rule comprising two parts 5 and 6 provided with scales, said parts being hinged together at one end by jaws 7, a shaft or bolt 8 mounted thereon, a thumb-nut 9 mounted on one end thereof, a toothed wheel 10 mounted between said jaws and adapted to revolve on said shaft, a longitudinal plate 11 mounted in the outer end of each of said parts 5 and 6, each of which is provided with a longitudinal slot 13 and a longitudinal chamber 14, a pin 15 mounted in each of said chambers and provided with a screw 16 having a thumb-nut 17, and a spirit-level 18 countersunk in one of said parts, substantially as and for the purpose described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of July, 1897.

WILLIAM ROSENKRANZ.

Witnesses:

WILLIAM C. NAU,
HENRY C. PFANNER.