

No. 884,219.

PATENTED APR. 7, 1908.

E. C. SCATES.
BIAS FOLD CUTTER.
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Fig. 1.

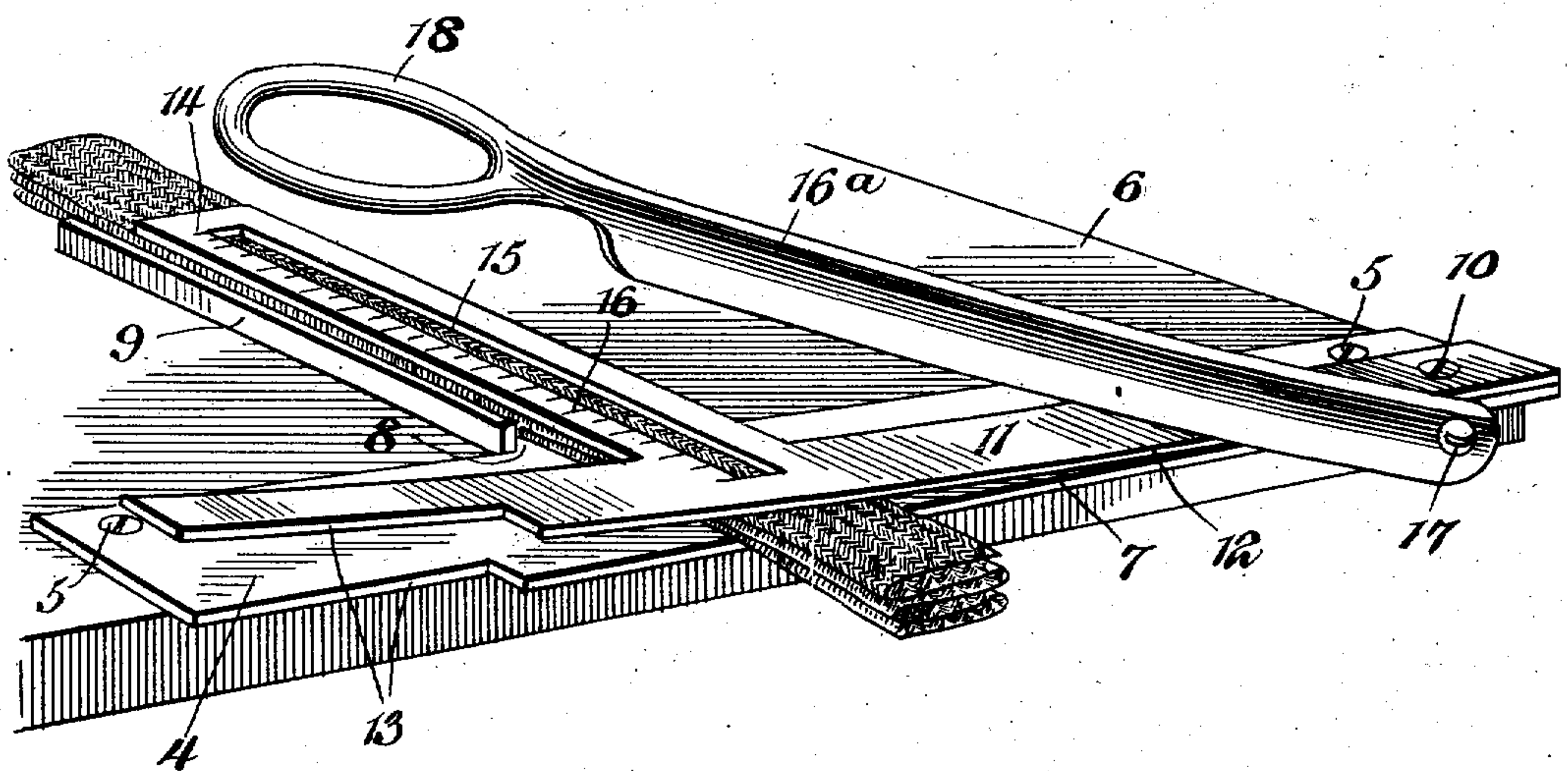


Fig. 2.

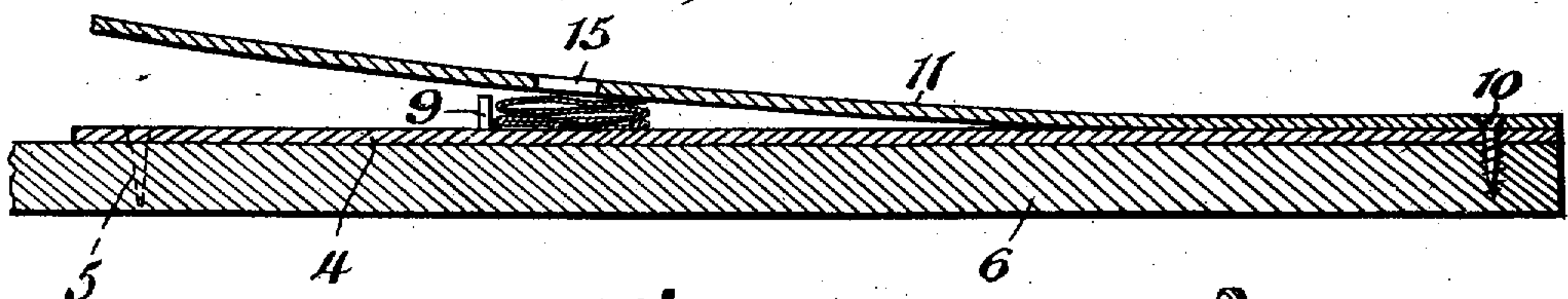
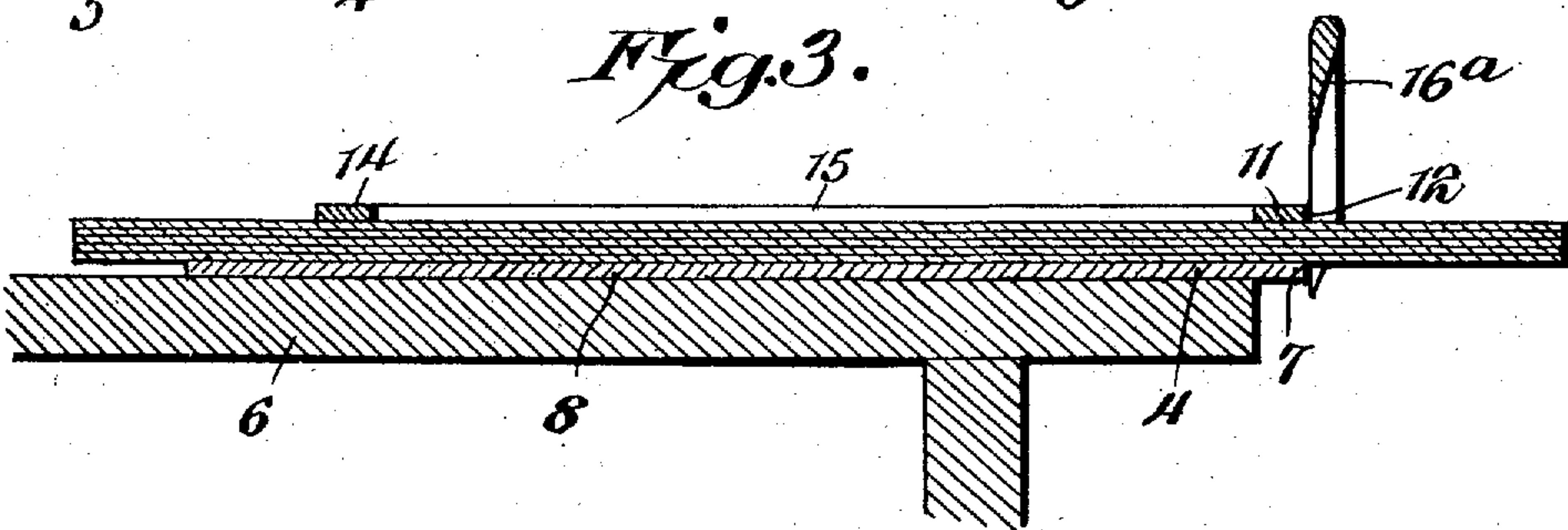


Fig. 3.



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BIAS-FOLD CUTTER.

No. 884,219.

Specification of Letters Patent.

Patented April 7, 1908.

Application filed November 14, 1907. Serial No. 402,197.

To all whom it may concern:

Be it known that I, EMMA CARRIE SCATES, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented a new and useful Bias-Fold Cutter, of which the following is a specification.

The principal object of the present invention is to provide a novel, simple and effective device, particularly intended for cutting bias folds, though not necessarily limited to this use, said device being so constructed that portions of the folds cut may be accurately measured and severed in order that all may correspond.

The preferred form of construction is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view showing the same applied to a support with a bias fold in position to be cut. Fig. 2 is a longitudinal sectional view through the structure. Fig. 3 is a cross sectional view taken at right angles to Fig. 2.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

In the embodiment disclosed, a base 4 is employed, preferably of sheet metal and arranged to be secured by screws 5 or other suitable fasteners to a table 6 or other support, with its outer edge 7 projecting beyond said support and constituting a cutter guiding edge. The base furthermore has a rearwardly extending arm 8 located at right angles to the edge 7, and provided along one of its longitudinal edges with an upstanding work guiding flange 9.

Secured at one end upon one end of the base by a screw 10 or other fastener, is a resilient clamping blade 11 that extends longitudinally upon the base, and has its outer edge 12 registering with the edge 7. The free end of the resilient clamping blade and the corresponding outer margin of the base are cut away, as illustrated at 13. This resilient clamping blade has a rearwardly extending arm 14 disposed at right angles to said blade and operating over the arm 8 of the base and alongside the guide flange 9. The arm 14 of the resilient clamping blade 11 is provided with a longitudinal slot 15 and a scale 16 which is disposed alongside the slot.

The structure as thus far described, is complete inasmuch as ordinary shears may be used in connection with it, but for heavy

work, a cutter blade 16^a is preferably employed, which is pivotally mounted, as shown at 17 at one end of the base and operates alongside the edges 7 and 12 of said base and resilient clamping blade. The handle 18 of this cutter moves past the cut away portions 13.

It is believed that the manner of using the device will be clear by reference to Fig. 1. The bias folds to be cut are placed between the base and resilient clamping blade, the proper position thereof being determined by the guide flange 9. Having positioned the goods, the same are passed beyond the guiding edges 7 and 12 the desired distance, the resilient clamping blade 11 is clamped upon the same and if the work is heavy, the cutter blade 16^a is used, the same being brought down and severing the projecting portion, as will be evident. With this structure therefore, the goods can be accurately measured and cut, so that the portions will be of the same length. In case shears are to be used, the blade 16^a may be detached or swung backwardly out of the way. The shears are operated alongside the edges 7 and 12 and the cut-away portions 13 permit the movement of the fingers.

From the foregoing, it is thought that the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a cutter of the character described, the combination with a base, of a spring clamping blade having one end located flat upon and secured to the base and having its other end free, said base and arm having co-acting edges located in the same vertical plane and both constituting a guide for a cutting device.

2. In a cutter of the character described, the combination with a base having a cutter guide edge and an angularly disposed guide flange, of a clamping device mounted on the base and having a portion that operates alongside the guide flange.

3. In a cutter of the character described,

the combination with a base having a cutter guide edge and an angularly disposed guide flange, of a clamping device mounted on the base and having an angularly disposed arm that operates alongside the guide flange.

4. In a cutter of the character described, the combination with a base having a cutter guiding edge and an angularly disposed arm provided with an upstanding guide flange, of a clamping blade operating on the base between the guiding edge and said flange.

5. In a cutter of the character described, the combination with a base having a cutter guiding edge and an angularly disposed arm provided with an upstanding guide flange, of a clamping blade operating on the base between the guiding edge and said flange and having a rearwardly extending arm that operates alongside the guide flange, said arm being provided with a longitudinal slot, and a scale disposed alongside the slot.

6. In a cutter of the character described, the combination with a base plate having a rearwardly extending arm, said arm being provided along one edge with an upstanding guide flange, of a clamping blade secured at one end of the base and located alongside

said base, said blade being provided with a rearwardly extending arm located over the arm of the base and operating alongside the guide flange, the arm of the blade being furthermore provided with a longitudinal slot, and a scale disposed alongside the slot, the free end of the clamping blade and the corresponding end of the base having inset portions, the cutter being pivoted at the opposite end of the base and operating alongside the said base and clamping blade.

7. In a cutter of the character described, the combination with a base plate, of a blade of resilient material secured to the same and normally having a portion spaced therefrom, said blade having an angularly disposed arm carried by the spaced portion and movable therewith into and out of coaction with the base.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EMMA CARRIE SCATES.

Witnesses:

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W. B. HENDERSON.