

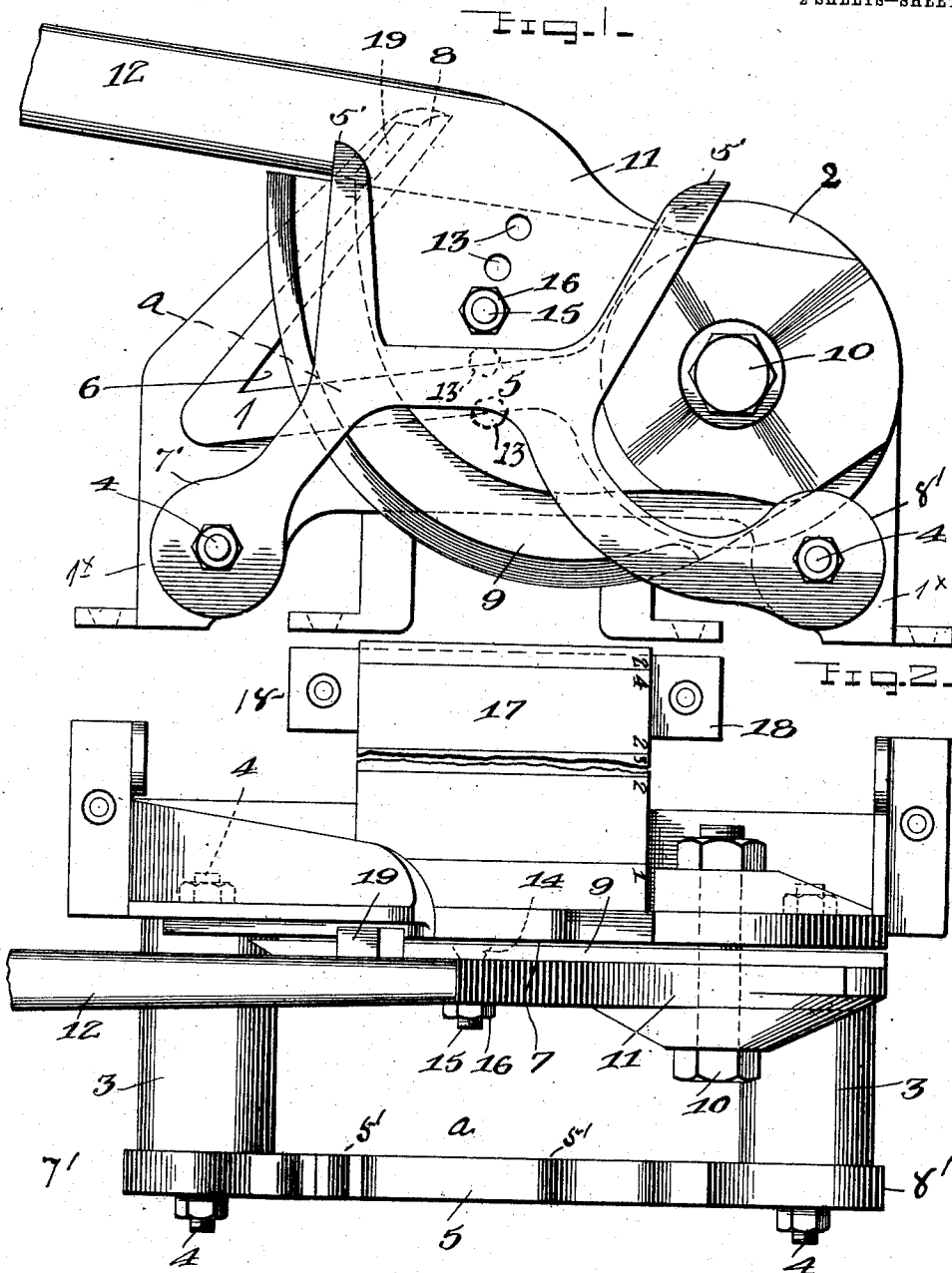
B. H. PONDER.
YARN CUTTER.

APPLICATION FILED MAR. 17, 1910.

1,015,339.

Patented Jan. 23, 1912.

2 SHEETS—SHEET 1.



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Fig. 3.

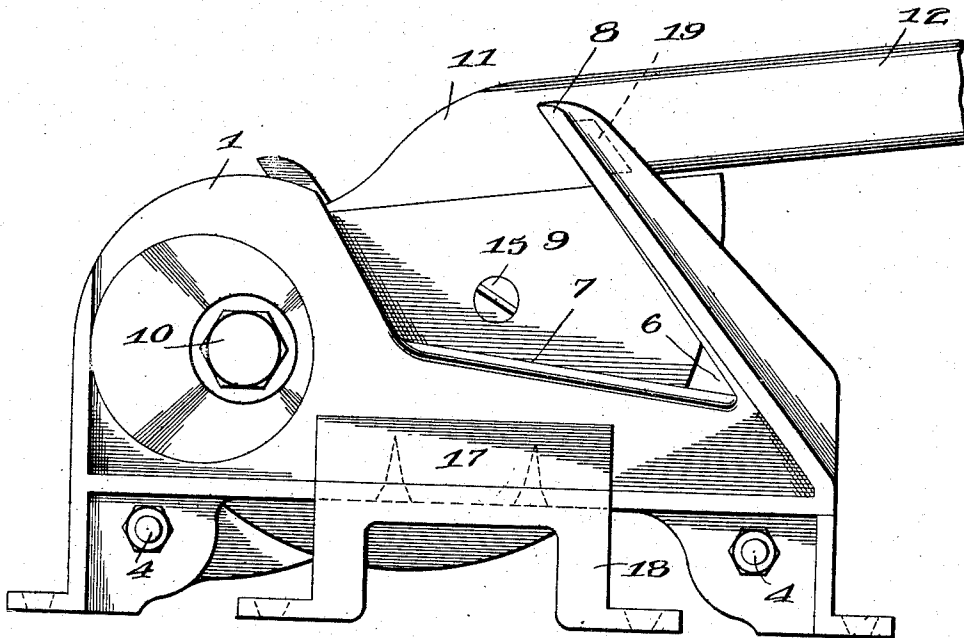
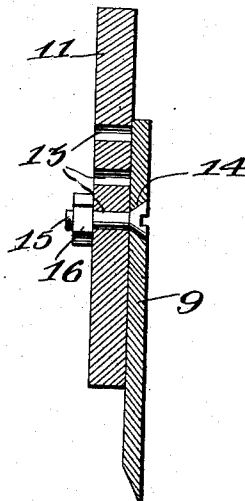


Fig. 4.



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UNITED STATES PATENT OFFICE.

BENJAMIN HYATT PONDER, OF CAMDEN, ARKANSAS, ASSIGNOR OF ONE-HALF TO
JAMES HENRY WATERS, OF CAMDEN, ARKANSAS.

YARN-CUTTER.

1,015,339.

Specification of Letters Patent.

Patented Jan. 23, 1912.

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To all whom it may concern:

Be it known that I, BENJAMIN H. PONDER, citizen of the United States, residing at Camden, in the county of Ouachita and State of Arkansas, have invented certain new and useful Improvements in Yarn-Cutters, of which the following is a specification.

My invention has relation to yarn cutters, and the main object of my invention is to produce a device of this type that will be simple in construction and operation, durable and inexpensive to manufacture.

A further object of my device is to provide a curved cutting blade used therewith which is given both a forward and downward movement at the same time.

A further object of my invention is to provide means for measuring and holding the yarn in position so that the blade will make a smooth and clean cut of the same, and also means for holding the yarn when cut.

With the foregoing and other objects in view my invention consists of the novel construction and arrangement of its several parts as are fully shown in the accompanying drawings, and described in this specification and the claims hereunto attached.

Referring more particularly to the drawings: Figure 1 is a front elevation of my invention. Fig. 2 is a top plan view thereof. Fig. 3 is a rear elevation of my invention. Fig. 4 is a detail of the adjustable cutting blade in cross section and of the blade carriage also in cross section.

Referring more particularly to the drawings in which like numerals designate like parts throughout, my invention is described as follows.

The frame consists of a bed plate, see Figs. 1 and 3, having a normally inclined bottom portion 1, the left-hand end of which terminates in an arm 8, turned upwardly and to the right diagonally over said bottom portion at an angle of about 45 degrees forming in conjunction with said base, a V-shaped throat 6, the edges of which V-shaped throat are sharpened into cutting edges. The right-hand end of said bottom portion turns up vertically and on a line with the front end of said base and terminates in an arm 2, which is practically circular; its front side being perfectly flat and smooth. The flat side of the blade carrier 11, is pivotally se-

cured to an arm 2, by means of a bolt 10, and to the said carrier is adjustably secured a blade 9, by means of a bolt 15, and nut 16; said bolt passing through one of a series of openings in the carrier, and an opening in the blade as shown in Fig. 4. Secured to said blade carriage and extending to the left is an operating handle 12, having extending from its rear side a lug 19, which contacts with the upper end of said arm 8, thereby operating as a stop limiting the downward stroke of said blade. Secured to the base of said bed plate and running rearwardly is a board or table 17, which table is provided at its rear end with supports 18; said table having thereon certain scale as indicated in Fig. 2, for the purpose of determining the length of the cut. Secured to the side of said bed plate opposite the said table 17 is a bar or frame "a" formed of a base 5, having the arms 5', 5', extending diagonally upward from each end thereof; and the legs or supports 7', 8', which latter are connected to the legs of the bed plate by means of the bolts 4, having thereon the spacing sleeves 3. The legs 1', 1', of the bed plate and the legs 7', 8' of the bar a have each a flat foot with an opening therein for securing said parts to a suitable support.

Although I have specifically described the construction, combination and arrangement of my invention yet I may exercise the right to make such changes therein as do not depart from the spirit of the invention or the scope of the appended claims.

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

1. A cutting mechanism consisting of a bed plate provided with a downwardly inclined bottom portion adapted to support the material to be cut, an arm extending upwardly from the lower end of said bottom portion at an acute angle thereto, and forming therewith an inclined V-shaped recess, a blade supporting arm extending upwardly from said bed plate at the upper end of said inclined bottom portion and a cutting blade pivotally supported by said arm and having shearing engagement with the side walls of said inclined bottom portion and with said first named arm and a material supporting bracket consisting of a recessed bar disposed parallel with the side walls of

said bed plate and means for supporting said bar in spaced relation from said bed plate.

2. In a cutting device, the combination of
5 a bed plate having a V-shaped throat at one end and a bearing at the other provided with a plane vertical face, a blade carriage secured to said bearing and having a bowed knife adjustably secured thereto, and a guide
10 bar having a base with upwardly projecting

arms at its ends, said frame being connected to said bed plate by bolts and spacing sleeves.

In testimony whereof I affix my signature, in presence of two witnesses.

BENJAMIN HYATT PONDER.

Witnesses:

JAS. H. WATERS,

GEO. W. CHIDESTER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."