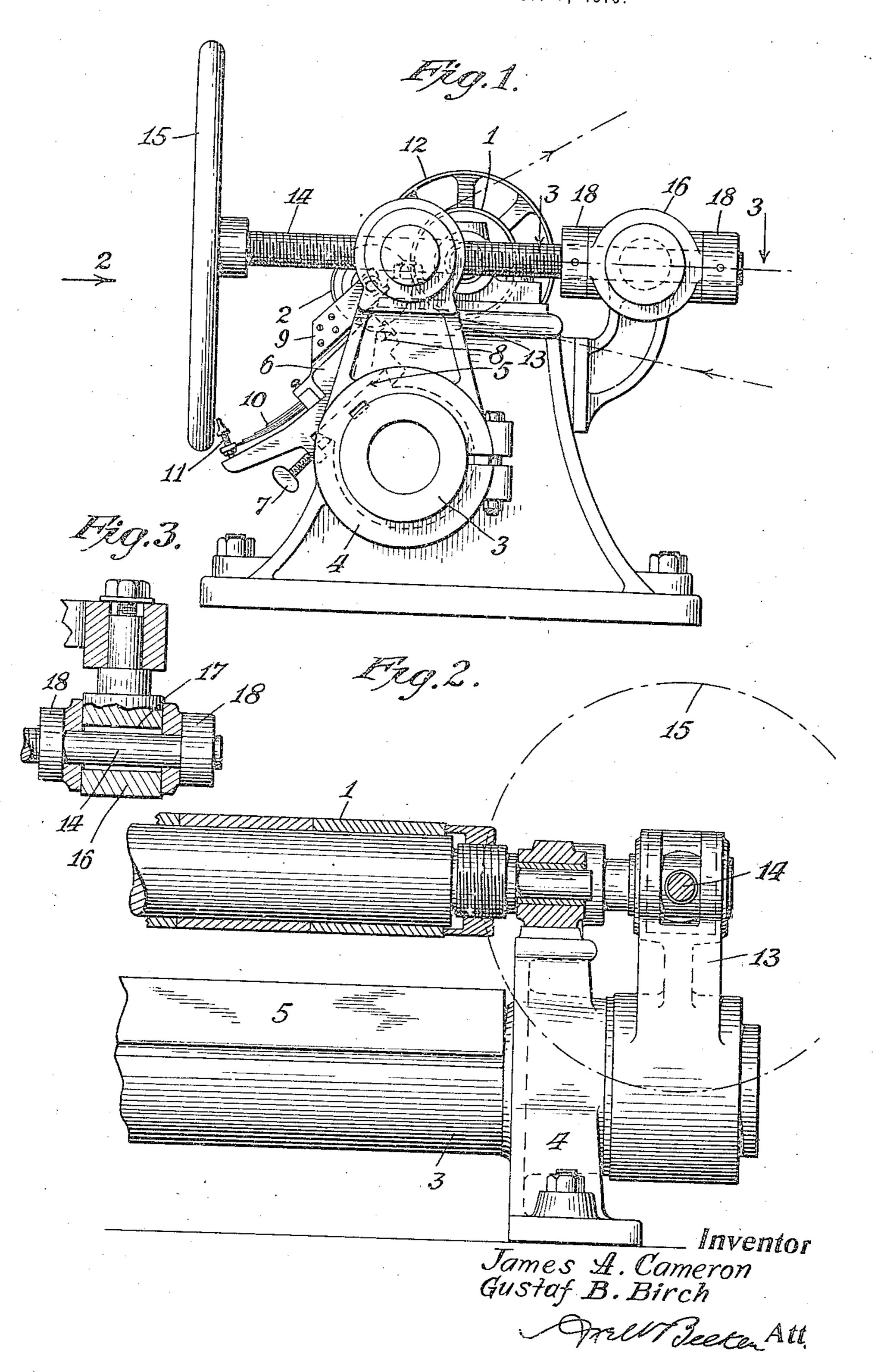
J. A. CAMERON ET AL.
SLITTING MEANS.
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## UNITED STATES PATENT OFFICE.

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## SLITTING MEANS.

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The present invention relates generally to suitable means as by pulley 12. 10 slitting means and has for its main object a The means for imparting a rocking motion

effected.

20 the support, together with a threaded mem- bearing 16. In this instance the particular 25 gagement so that the crank arm and threaded and said stem extends through said bore tated.

Other features of construction will appear

as the specification proceeds.

form in which:

and in section.

Figure 3 is a sectional plan view on the We claim:

line 3—3 of Fig. 1.

trated in connection with score cutters 1 and a score cutter, a rocking support means for 95 2 of the character shown in Patent No. rocking said support and for increasing the 1,076,189. 3 is a rocking support suitably tension of one slitting member against the mounted in bushings such as 4, and the cutter other after they are in engagement including 45 2 is carried by it in the following manner a holder for one of said slitting members Rocking support 3 is formed with a dovetail pivotally mounted on the rocking support, 100 surface 5 on which is slidably mounted one a spring acting between the rocking support or more cutter carriers 6 secured in position and the holder to urge one slitting member by set screw 7. Pivotally mounted at 8 on against the other, a crank arm carried by the 50 said carrier is the cutter holder 9 in turn rocking support internally threaded at right carrying rotatable cutter 2. A spring 10 is angles to the axis of the latter, a threaded 105 interposed between the end of the cutter member in engagement with the threaded holder 9 and abutment 11 of carrier 6, said portion of the crank arm, and a bearing spring normally urging cutter 2 toward tiltably supporting the threaded member

To all whom it may concern: cutter 1, and it will be understood that when 55 Be it known that we, James A. Cameron rocking support 3 is turned to the right in and Gustaf B. Birch, citizens of the United Fig. 1, after members 1 and 2 are in engage-States, and residents of the borough of ment, cutter holder 9 will swing on pivot 8 5 Brooklyn, in the city of New York and State and the tension of spring 10 will be inof New York, have invented certain new and creased. In this form of the invention only 60. useful Improvements in Slitting Means, of one of the slitting members, viz: cutter roll which the following is a specification.

1, is driven, motion being imparted by any

structure whereby adjustment for the pur- to rocking support 3 are here constructed as 65 pose of engaging and disengaging the slit-follows: 13 is a crank arm, carried by said ting members may be readily and quickly rocking support, said arm being, at its outer end, internally threaded at right angles to One feature of the invention resides the axis of said rocking support. Extending in a structure where one of the slit- through the internally threaded portion of 70 ting members is mounted on a rocking sup- the crank arm is an externally threaded port, said support having a crank arm inter- member 14 rotatable by means of handle 15 nally threaded at right angles to the axis of and having its end tiltably supported by ber in engagement with the threaded portion means used to tiltably support the end of 75 of the crank arm, there being a bearing that member 14 take the following form. The tiltably supports the threaded member and diameter of bore 17 of bearing 16 is somewith which the latter has idle rotatable en- what larger than the diameter of stem 14, member are rocked when the latter is ro- and rotates idly therein, stop collars 18 being 80 secured to said stem as shown to prevent lengthwise displacement thereof. It will be understood that, when stem 14 is rotated, In the accompanying drawings the inven-bearing 16 will prevent lengthwise displacetion is disclosed in a concrete and preferred ment thereof while allowing idle rotation 85 and tilting, and that therefore crank arm 13 Figure 1 is an end elevation of slitting will be moved carrying with it rocking supmeans embodying the invention in one form. port 3. The rocking movement is so slight Figure 2 is a view looking in the direction that the slightly increased diameter of bore of the arrow 2 of Fig. 1, with parts omitted 17 is sufficient to permit requisite tilting of 90 stem 14.

1. Slitting means comprising: opposed In Figs. 1, 2 and 3, the invention is illus-slitting members consisting of a drum and latter is rotated.

2. Slitting means comprising: opposed which the latter has idle rotatable engageslitting members consisting of a drum and a ment to thereby admit of rocking the crank score cutter, a rocking support means for arm and threaded member when the latter is rocking said support and for increasing the rotated, and means for slidably adjusting 10 other after they are in engagement including support in a direction parallel to the axis a holder for one of said slitting members of the latter. pivotally mounted on the rocking support, Signed at the borough of Brooklyn, in a spring acting between the rocking support and the holder to urge one slitting member York, this 27 day of Sept., 1918. 15 against the other, a crank arm carried by the rocking support internally threaded at right

and with which the latter has idle rotatable angles to the axis of the latter, a threaded engagement to thereby admit of rocking the member in engagement with the threaded crank arm and threaded member when the portion of the crank arm, a bearing tiltably supporting the threaded member and with 20 tension of one slitting member against the one of said slitting members on the rocking 25

the county of Kings, city and State of New

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