

(No Model.)

J. C. FARLEY.
STALK AND CLOD CUTTER.

No. 332,601.

Patented Dec. 15, 1885.

FIG. I.-

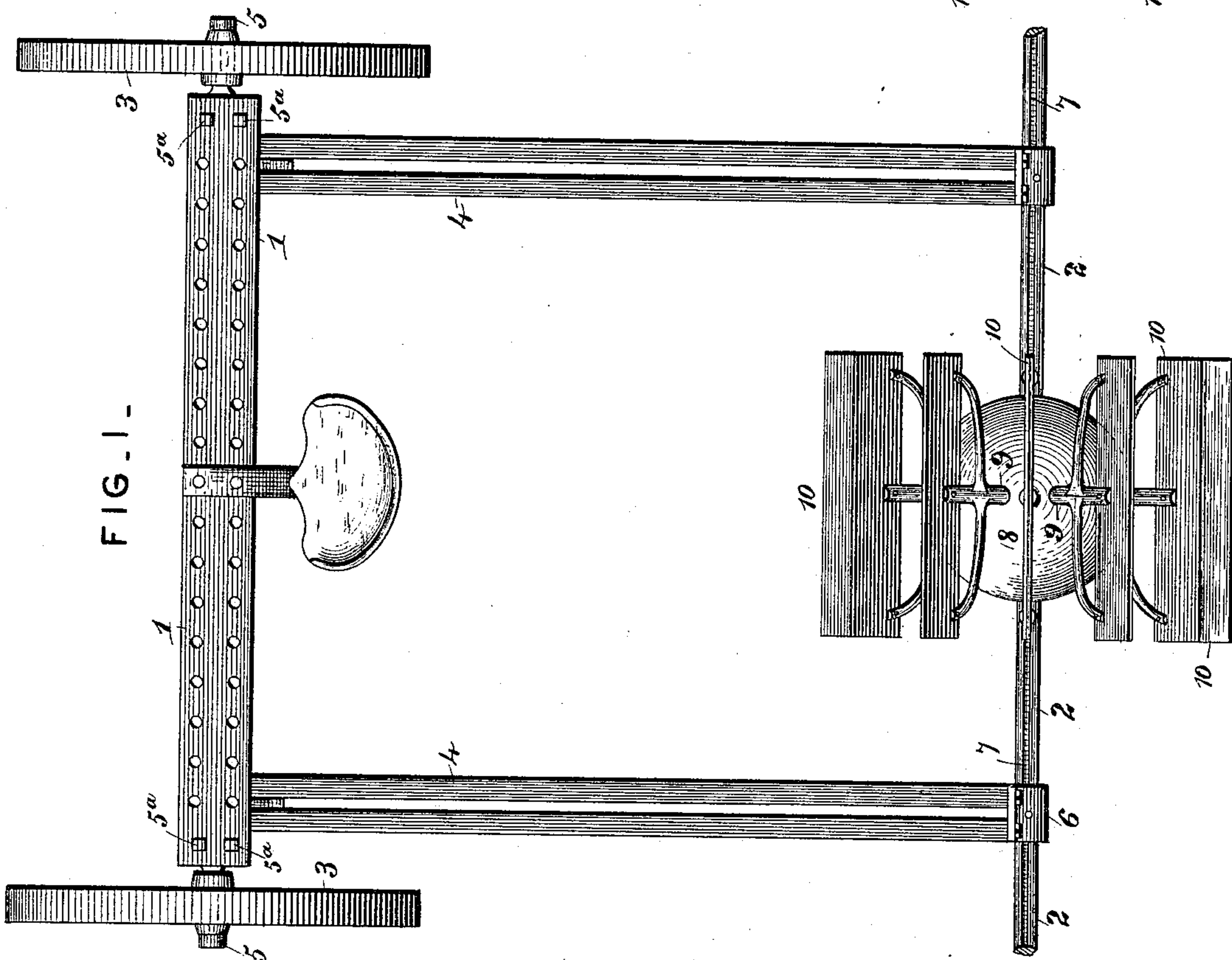
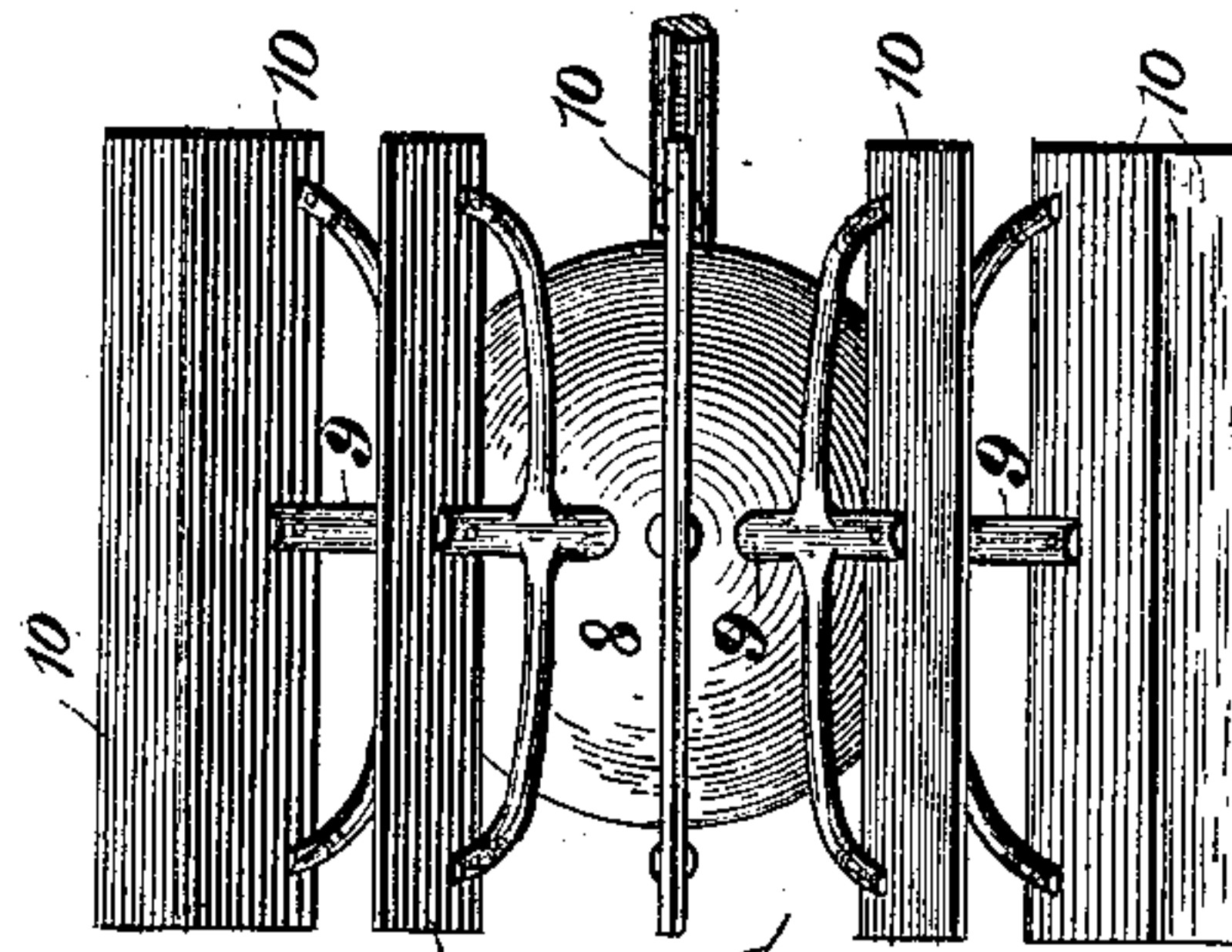
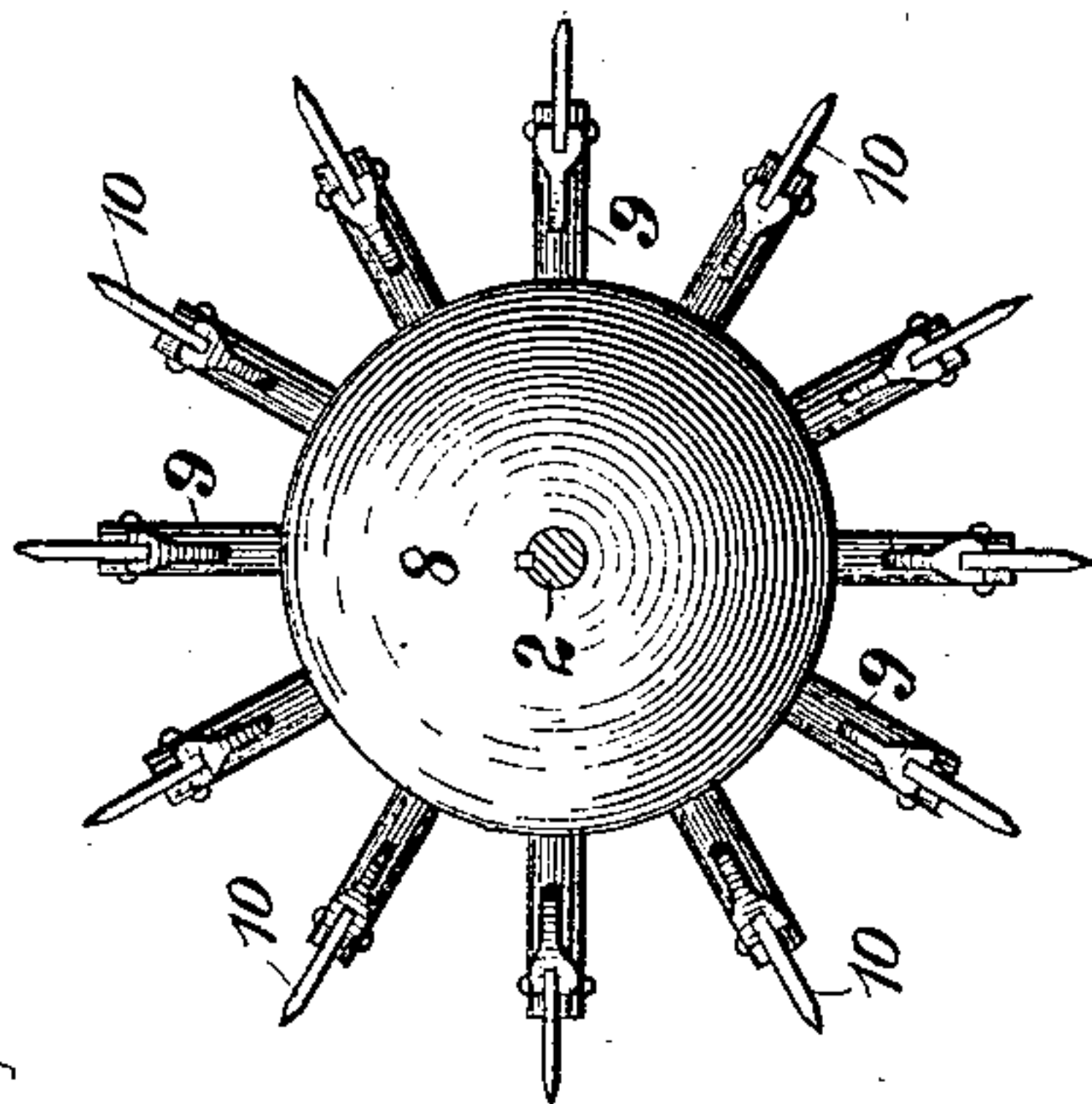


FIG. II.-



Attest:
Geo. P. Smallwood.
Geo. Wheelock.

Inventor:
John C. Farley
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UNITED STATES PATENT OFFICE.

JOHN C. FARLEY, OF HEARNE, TEXAS.

STALK AND CLOD CUTTER.

SPECIFICATION forming part of Letters Patent No. 332,601, dated December 15, 1885.

Application filed April 18, 1885. Serial No. 162,699. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. FARLEY, a citizen of the United States, residing at Hearne, in the county of Robertson and State of Texas, have invented a new and Improved Stalk and Clod Cutter, of which the following is a specification.

The subject of my invention is a stalk and clod cutter, consisting of three, four, or any desirable number of cutting-wheels constructed with heavy spherical hubs of cast metal and spokes carrying at their extremities horizontal knives. The said cutting-wheels are mounted in any desired number on a horizontal shaft provided with a longitudinal key-slot from end to end, so that the cutting-wheels may be adjusted in the desired positions thereon, the said shaft turning in boxes at the rear ends of a pair of longitudinal beams secured in front to an axle provided with two carrying-wheels and a driver's seat.

In the accompanying drawings, Figure I is a plan view of the machine. Fig. II is a side view of one of the cutting-wheels.

The axle 1 I prefer to make in two parts, with a horizontal space between them, as I have described in another application of even date herewith, adapting it for the attachment of journals 5 of the carrying-wheels 3, the said journals being constructed with plates or flanges, which extend between the two members of the axle, and are secured by vertical bolts 5^a. This construction of axle also adapts it for attachment of horizontal beams 4 at any desired distance asunder. These beams may be made in two parts, as shown and described in my other application before referred to; or they may consist of simple bars of iron three inches wide by half an inch thick and four feet long, twisted so as to lie in a horizontal plane at their forward ends, which are inserted within the axle 1, while the main bodies of said beams are in vertical planes, giving them the required vertical rigidity. To the rear ends of the longitudinal beams are secured boxes 6, for a transverse shaft, 2, which is formed with a longitudinal key slot or groove, 7, extending from end to end. Upon the said

shaft are keyed equidistantly any desired number of cutting-wheels, constructed with spherical hubs 8, of cast-iron six inches in diameter, to give the necessary weight, and branching radial spokes 9, to the extremities of which are fixed horizontal cutting-blades 10. The cutting-wheels are preferably made about two feet in diameter to the extremities of the spokes, and the knives 10 six inches apart. The shaft 2 may be nine feet long. It may be used with one, two, three, or four cutting-wheels, according to the work to be done and the strength of the team. If four wheels are used, two are set between the beams 4 and the other two outside the beams on the extremities of the shaft, bringing the cutters in close proximity to one another. This arrangement adapts the machine for cutting stalks, weeds, and clods over the whole surface of the ground.

For cutting corn or cotton stalks, three wheels are used, adjusted, as in Fig. 1, so as to cut in pieces the stalks in three rows simultaneously.

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

1. The rotary cutting-wheels constructed with heavy spherical hubs 8, branching spokes 9, and cutting-knives 10, substantially as herein shown and described.

2. The cutting wheels or rollers consisting of spherical hubs 8, arms 9, and knives 10, in combination with the shaft 7, on which the said spherical hubs 8 of the wheels are secured at any desired distance asunder, as set forth.

3. The combination of the beams 4, secured adjustably at their forward ends in the axle 5, the longitudinally-slotted shaft 7, turning in boxes 6 on the rear end of said beams 4, and the cutting-wheels 8 9 10, secured adjustably on said shaft 7, as and for the purposes herein set forth.

J. C. FARLEY.

Witnesses:

OCTAVIUS KNIGHT,
HARRY E. KNIGHT.