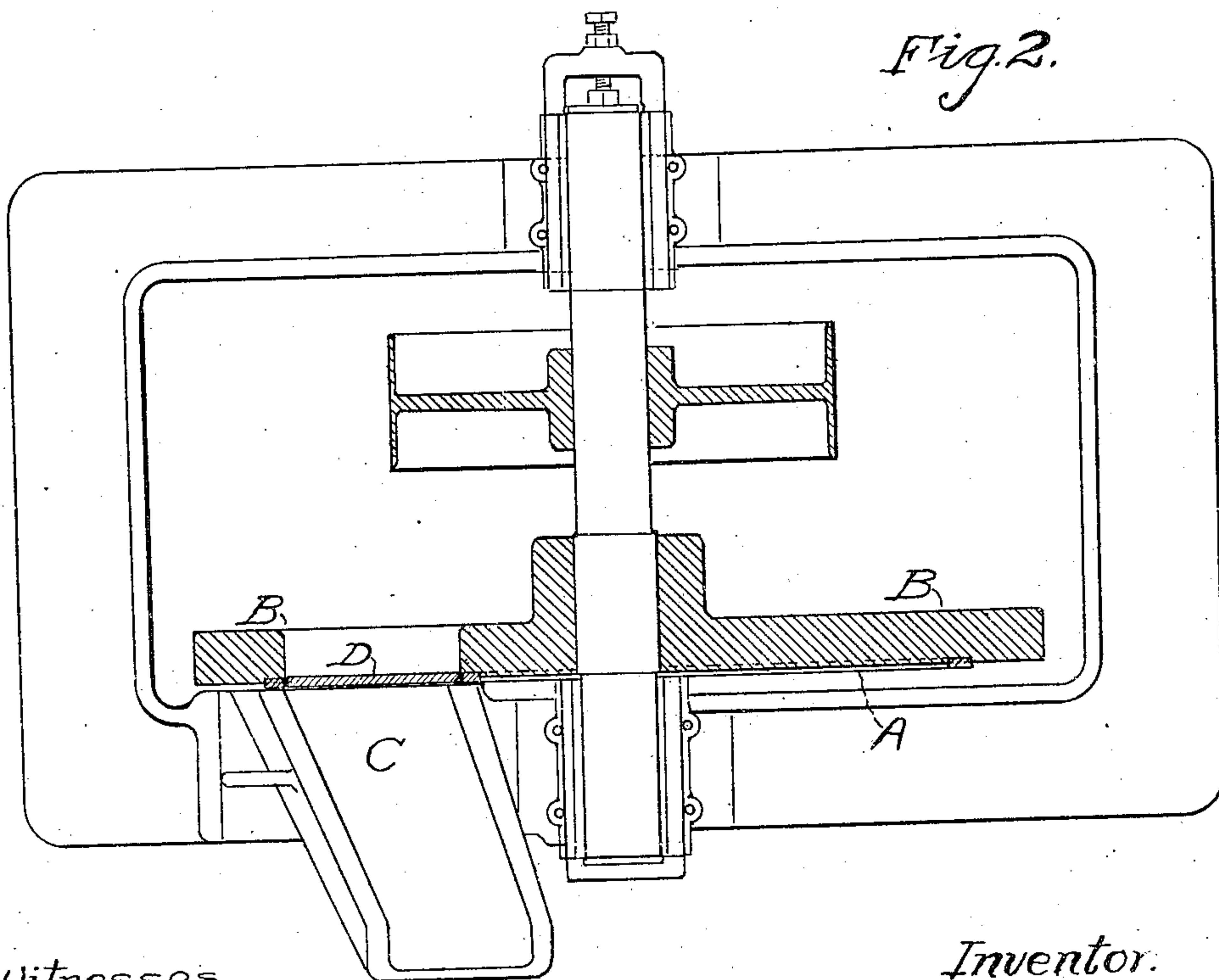
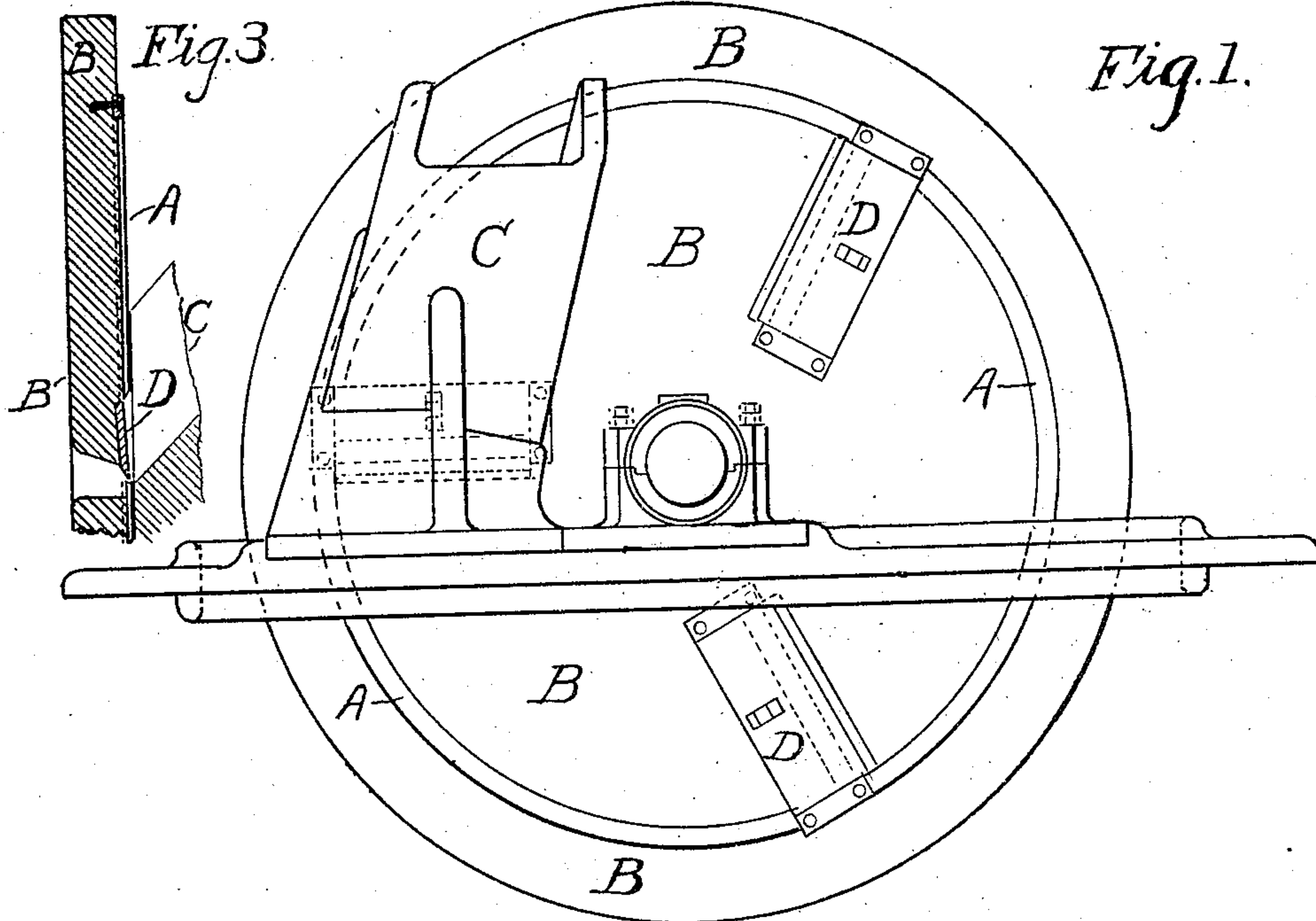


No. 845,198.

PATENTED FEB. 26, 1907.

G. F. ROWE.
PULP WOOD CHIPPER.
APPLICATION FILED JAN. 9, 1907.



Witnesses.
P. J. Russell
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UNITED STATES PATENT OFFICE.

GEORGE F. ROWE, OF BANGOR, MAINE.

PULP-WOOD CHIPPER.

No. 845,198.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed January 9, 1907. Serial No. 351,405.

To all whom it may concern:

Be it known that I, GEORGE F. ROWE, a citizen of the United States, residing at Bangor, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Pulp-Wood Chippers, of which the following is a specification.

My invention consists of an improvement in chippers used in machines for the manufacture of pulp-wood chips, and is fully illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of complete cutter. Fig. 2 is a plan. Fig. 3 is a partial section of disk at a knife.

Similar letters refer to corresponding parts throughout the figures.

In the cutters in use the knives are set radially or nearly so in the flat surface of a circular chipper-disk near its periphery, the cutting edge of the knives projecting one-half an inch or more from the face of the disk and just clearing the mouth of the chute or spout through which the block of wood is fed to the knives, the chips falling through slots in the disk behind and in front of the knives. This arrangement of the knives leaves an open unguarded space between the face of the disk and the mouth of the chute as broad as the projection of the knives from the face of the disk, which allows the escape of splinters and splinters which are produced in the chipping process and occasions very appreciable waste.

My improvement is designed to prevent this waste, and consists of an annular flange

or rib A, projecting from the face of the disk B toward the mouth of the chute C to such extent as to terminate nearly or exactly in the plane of the cutting edges of the knives D and so placed on the disk with reference to its center as to coincide with the outer ends of the knives. By this means the space between the disk and the mouth of the chute is closed and the escape of the splinters and slivers is prevented, they being thus held and subjected to the further action of the cutters and reduced to chips of the desired form.

I make no claim on any chipper-disk without the annular flange placed, shaped, and arranged substantially as shown, which flange, serving as a catch and guard, in combination with the other parts, constitutes the whole of my invention.

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

In a chipper for making pulp-wood chips, a chipper-disk having knives projecting from its face; slots behind said knives and in front of their cutting edges; and an annular flange or rib on the face of said disk, projecting therefrom substantially to the same extent as the cutting edges of said knives; and so placed on said disk as to include said knives and substantially to coincide with the curve including the outer ends thereof.

GEORGE F. ROWE.

Witnesses:

A. B. FOSTER,
MILDRED B. BAILEY.