

C. KORN.
Bark Mill.

No. 107,923.

Patented Oct. 4, 1870.

Fig. 1.

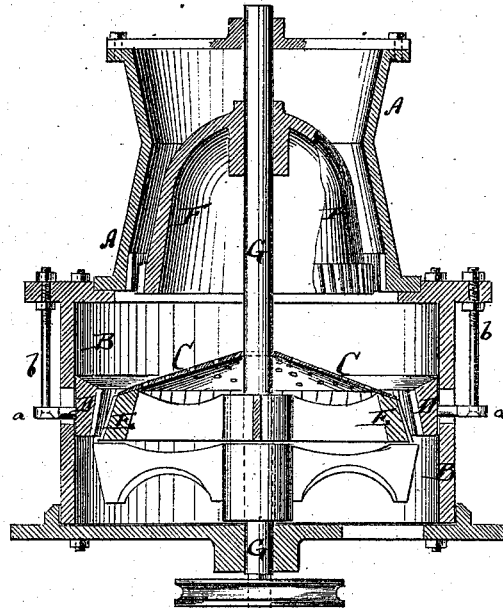
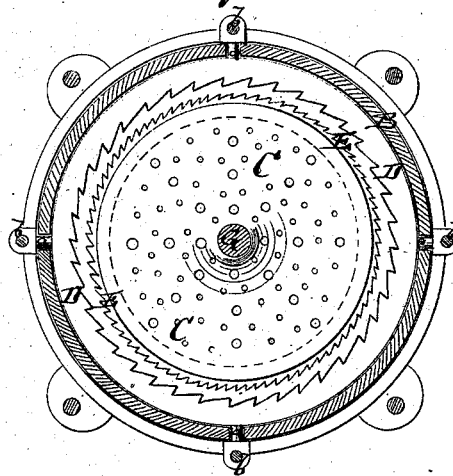


Fig. 2.



Witnesses

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CHARLES KORN, OF WURTSBOROUGH, NEW YORK.

Letters Patent No. 107,923, dated October 4, 1870.

IMPROVEMENT IN BARK-MILLS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES KORN, of Wurtsborough, in the county of Sullivan and State of New York, have invented a new and improved Bark-Mill; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a vertical central section of my improved bark-mill.

Figure 2 is a horizontal section of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to bark-mills, and my object is to introduce to the public certain improvements thereon.

I will first describe these improvements in connection with all that may be necessary to their full understanding, and then clearly point them out in my claim.

The invention consists in arranging, under the ordinary mill A, a secondary grinding apparatus, which is in form of a cylinder, B, fastened in suitable manner to the upper shell A.

The grinding-cylinder F, in the latter, is arranged in the ordinary or suitable manner. It is revolved to grind the bark, but will scarcely ever grind it all sufficiently fine.

Those parts that are fine enough drop upon a ro-

tating sieve, C, which is arranged on the driving-shaft G, in the lower shell B, and pass through the meshes of the same.

The coarse parts, however, are crushed between two sharp-toothed rings, D E, of which the former is stationery, while the latter is fastened to the sieve and revolves with the same. Thereby the bark is entirely ground.

The ring D is up and down adjustable, to regulate the degree of fineness to which the bark is ground.

For this purpose, there are ears *a a* on said ring, and screws *b b* for raising or lowering the same.

By other horizontal screws, the ring D may be adjusted concentric with the ring E.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The combination, in the ordinary bark-mill A F G, of cylinder B, and upwardly-convex rotating sieve C, to separate the coarse from the fine bark, and transfer the former over its annular edge, as described.

2. The combination, in the ordinary bark-mill A F G, with cylinder B and rotating upwardly-convex seive C, of the sharp-toothed grinding-rings D E, arranged and operating as described.

CHARLES KORN.

Witnesses:

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