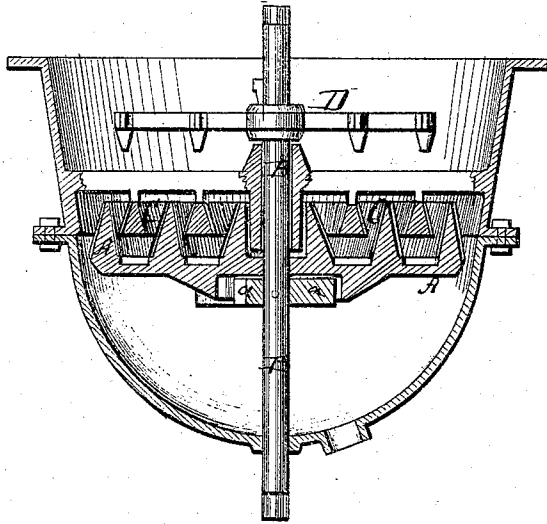


L. N. HERMANCE.

Bark Mill.

No. 103,881.

Patented June 7, 1870.



Witnesses:
John Brecker
Edgar Tate

Inventor:
L. N. Hermance
PER *Wm. J. G.*
Attorneys.

United States Patent Office.

LEWIS N. HERMANCE, OF KINGSTON, NEW YORK.

Letters Patent No. 103,881, dated June 7, 1870.

IMPROVED BARK-MILL.

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, LEWIS N. HERMANCE, of Kingston, in the county of Ulster and State of New York, have invented a new and improved Bark-Mill; and I do 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, in which—

The drawing represents a sectional elevation of my improved bark-mill.

This invention relates to an important improvement in the ordinary bark-mill, and has for its object to facilitate the adjustment of every mill to fine or coarse work, and to allow the runners to be raised when they have become dull by wear, so that, by being brought nearer to the grinders, they may again be made useful.

The invention consists in a peculiar construction and arrangement of the runners, which will be more particularly specified hereinafter.

My invention is intended as an improvement upon the old patent of Montgomery and Harris for "bark-mill." By combining a series of stationary and movable grinders, constructed as shown, with an adjustable shaft, I bring together and form an improved mill.

I am aware that the mere making of a shaft adjustable, so as to raise anything attached thereto, is not new or patentable. I am also aware that the Erkson patent aims at the same object which I have in view; but he accomplishes it by combining an adjustable

shaft with grinders constructed eccentrically, whereas I achieve the same end by extending down the runner below the stationary part, whereby it can be raised, to form in effect a new grinder.

The runners are all connected with each other in the ordinary manner, and are supported by the arms *a* of the shaft, which propel them.

The shaft is supported by the central core of the stationary grinders, on which the stirrer *D* rests, as shown, the stirrer being keyed to, but adjustable on, the shaft, to permit the raising and lowering of the same.

By this improvement the mills can be made to grind the bark to any suitable degree of fineness or coarseness, and can be used when the ordinary mills are entirely useless by wear.

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

The combination, with a series of ordinary concentric stationary grinders, of a series of concentric runners, elongated, and adjustable toward said grinders, so as to take up wear as well as give the ordinary adjustment for coarse or fine work, the said rotating and stationary teeth being constructed and arranged, with respect to each other, as set forth.

LEWIS N. HERMANCE.

Witnesses :

J. BOSTWICK,
MATHEW VAN BUREN.