

*J. Taggart,
Slivering Wood.*

N^o 52,251.

Patented Jan. 23, 1866.

Fig. 3.

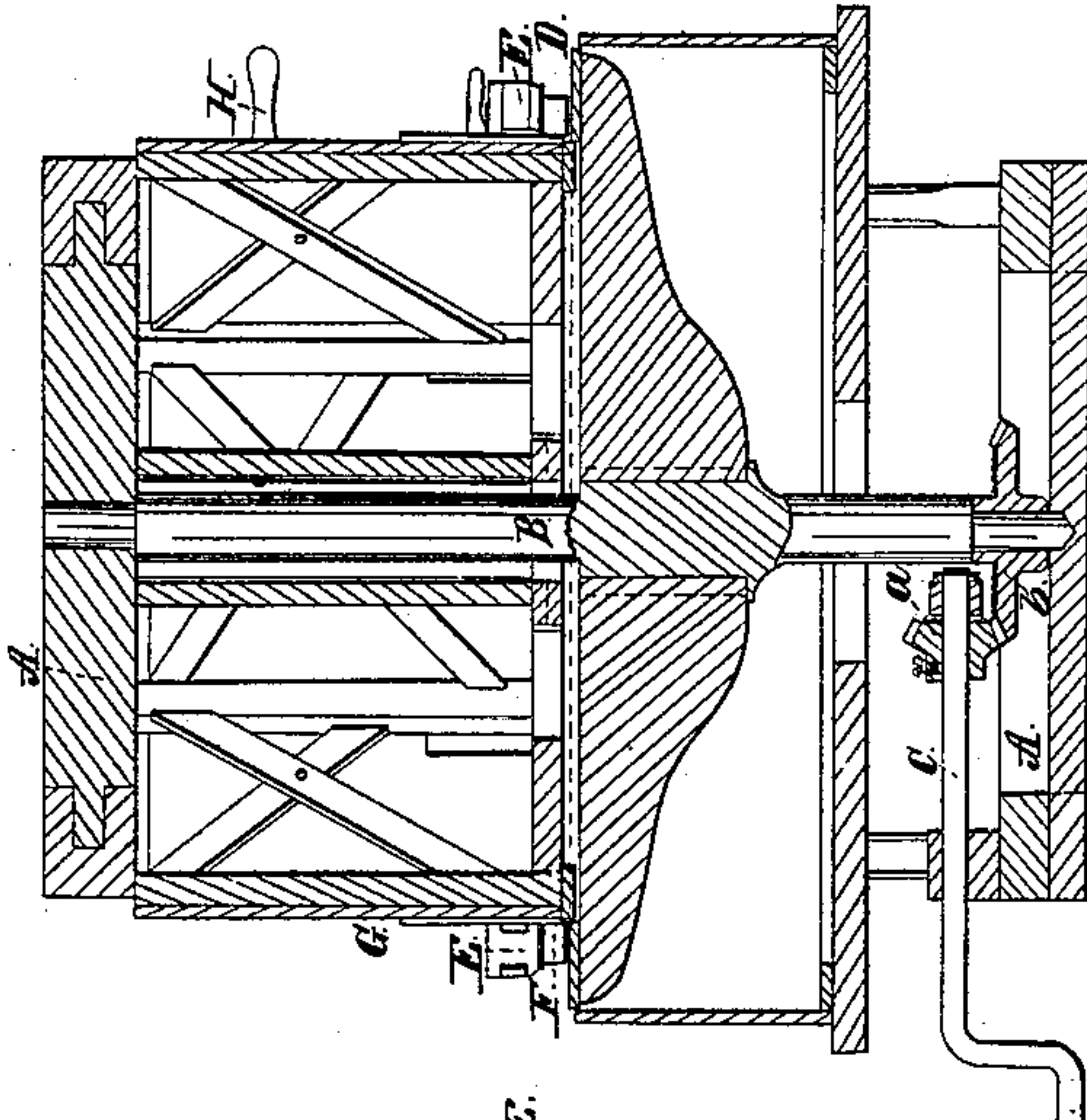


Fig. 2.

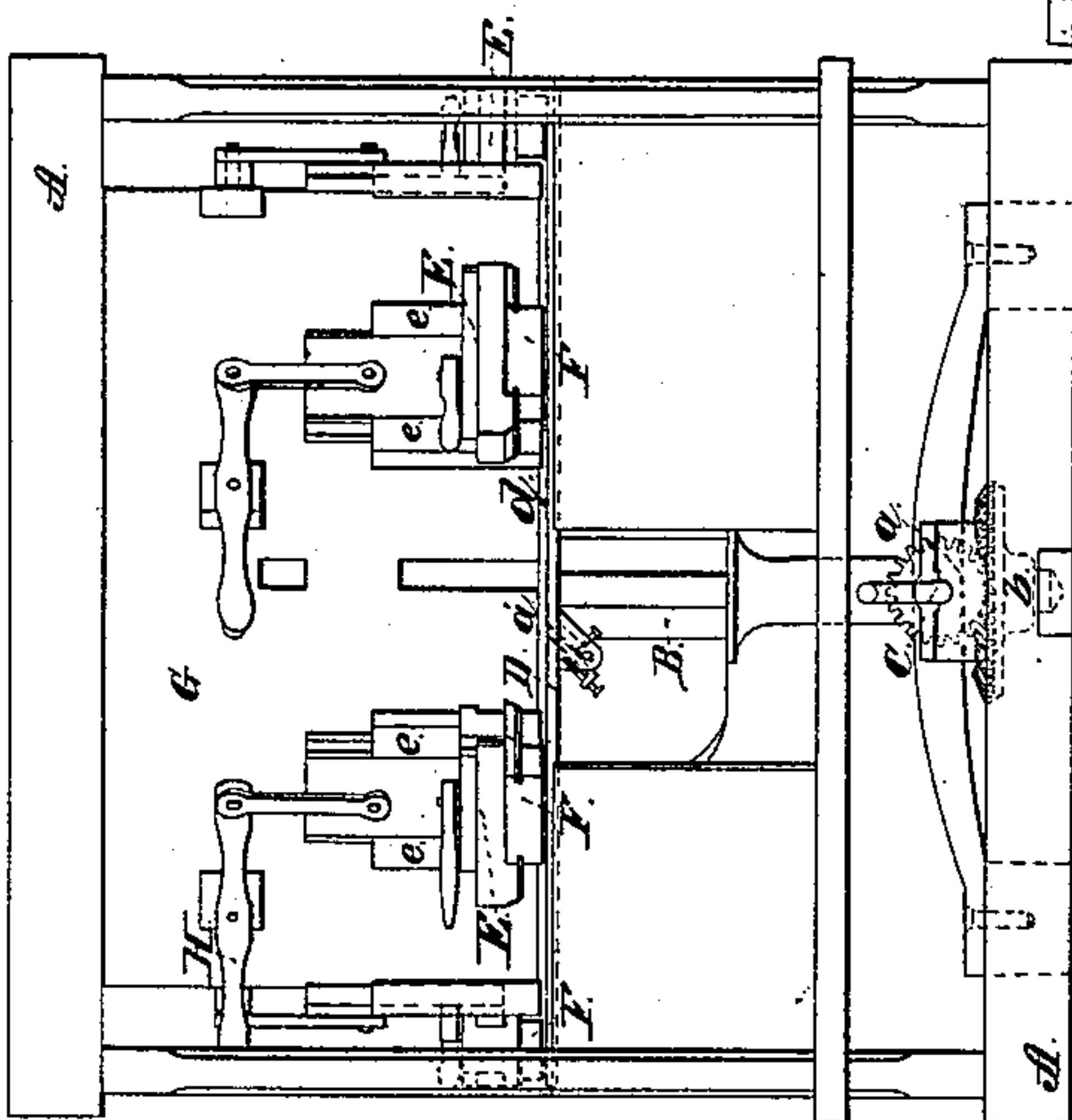
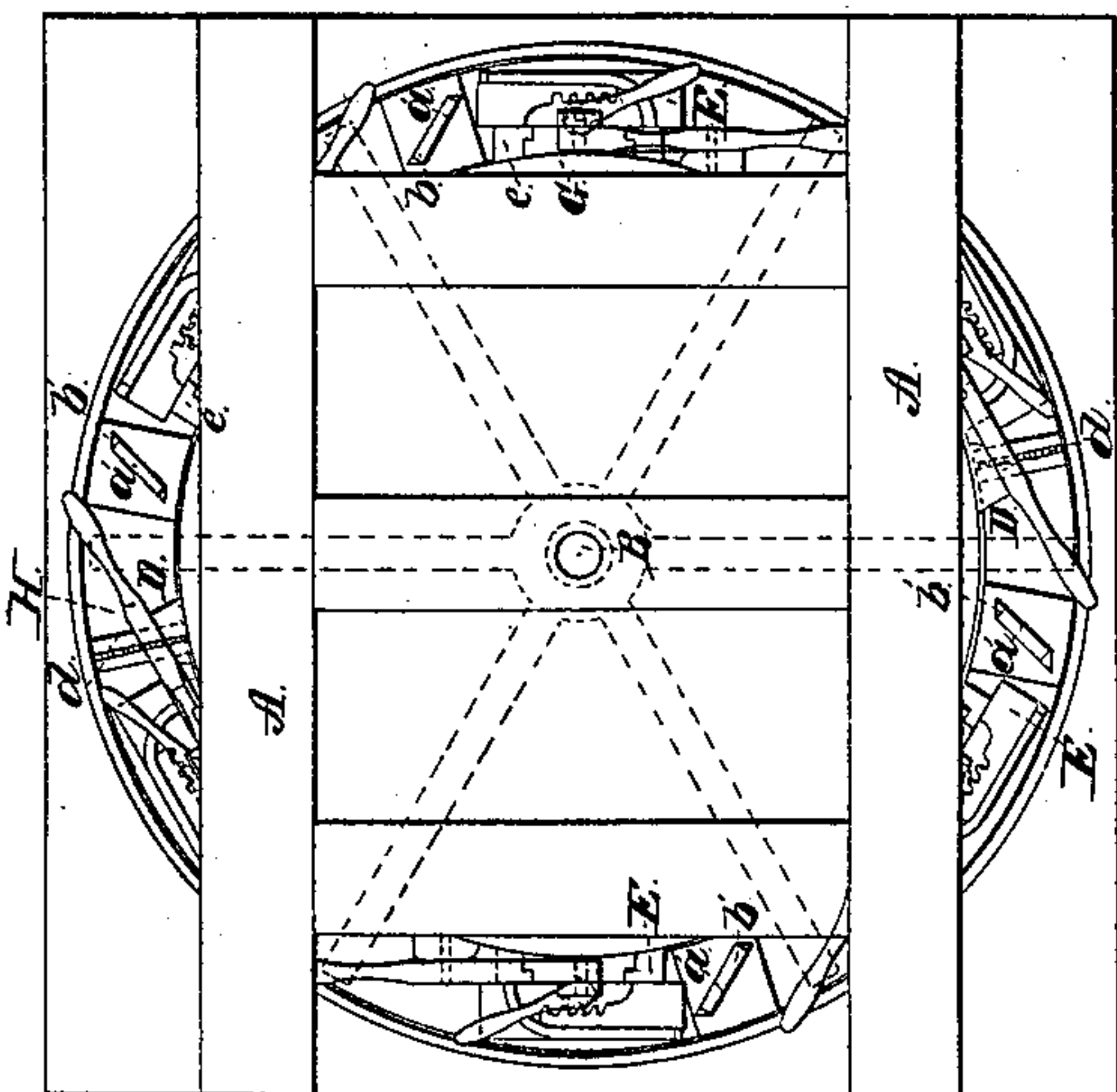


Fig. 1.



*Witnesses:
T. P. Hale Jr.
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*Inventor:
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UNITED STATES PATENT OFFICE.

JOHN TAGGART, OF ROXBURY, ASSIGNOR TO HIMSELF, J. H. LESTER, AND
CHARLES D. ELLIS, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR SLIVERING WOOD.

Specification forming part of Letters Patent No. 52,251, dated January 23, 1866.

To all whom it may concern:

Be it known that I, JOHN TAGGART, of Roxbury, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improved Machine for Reducing or Slivering Wood, for the purpose of enabling it to be twisted, spun, or woven; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front elevation, and Fig. 3 a transverse and vertical section, of such machine.

In the said drawings, A is a frame which serves to support a vertical shaft, B, and a horizontal shaft, C, the said two shafts having two beveled gears, *a b*, applied to them for enabling the upright shaft to be set in revolution by the horizontal shaft while being rotated. The said shaft B has a flat horizontal circular plane or annulus, D, arranged concentrically with it, and connected to it by a series of arms. This annulus carries one or more plane-irons, *a'*, set in proper throats *b'*, such plane-irons being like those of a common bench-plane, and being suitably fixed in such throats so as to cut from a block of wood, when moved against it, a thin shaving or sheet. Besides the said plane-irons, the annulus has one or more series of scoring-cutters, *d d d*, arranged in it, and like the sheet-cutters, so as to project above its upper surface, the same being to cut parallel scores in the block before the sheet-cutters may come into operation thereon.

By the combined action of the two sets of cutters the block will be reduced to slivers suitable for being twisted, spun, and woven into coarse fabrics or used as a stuffing for cushions, beds, or various other articles.

There is arranged over the rotary annulus or plane D a series of block-carriers, E E E, &c., each being provided with means of grasping and holding a block of wood, F, by the upper parts of its two ends or opposite sides and presenting it to the action of the cutters.

Each of the block-carriers should be placed between and be supported by guides which will admit of its being moved vertically toward and away from the cutting-wheel or annulus. These guides (shown at *e e*) are fastened to the external surface of a cylinder or drum, G, which is affixed to the upper part of the frame A, and arranged with respect to the rotary annulus or plane D in manner as shown in the drawings.

A lever, H, is applied to the drum over each of its block-carriers, and is so connected with such carrier as to enable a person, by means of such lever, to raise and depress the said carrier, so as to force in contact with the planing-annulus a block when held by such carrier.

There are to be as many plane-irons and scoring-cutters applied to the annulus and as many stock-carriers applied to the stationary drum as may be desirable or necessary in order to have the annulus operate in succession on several blocks held by such carriers.

By putting the annular plane in revolution and by lowering upon it a series of blocks of wood, they will in succession by it be reduced to slivers.

I am aware that a reciprocating plane provided with irons or cutters to so score and plane a piece of wood as to reduce it to slivers is not new. Therefore I lay no claim to such; but

What I claim as my invention is—

The combination of the annular plane D, provided with sheet and scoring cutters, as specified, with the stationary drum G, or its equivalent, and one or more or a series of block-holders applied to such drum, substantially as described, the whole being to operate as and for the purpose set forth.

JOHN TAGGART.

Witnesses:

R. H. EDDY,
G. H. WASHBURN.