

(No Model.)

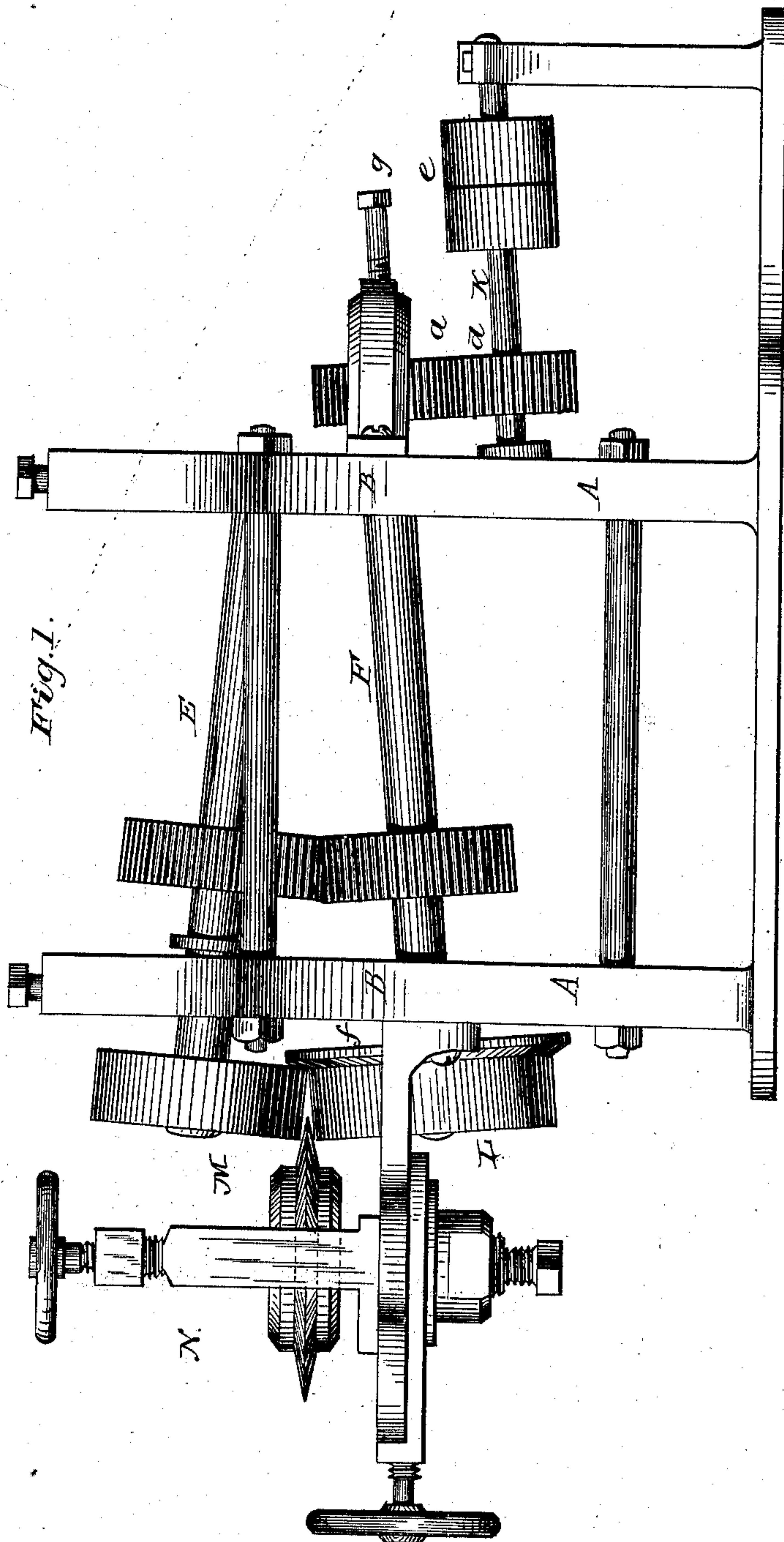
3 Sheets—Sheet 1.

R. C. NUGENT.

MACHINE FOR BEVELING COLTERS, &c.

No. 272,082.

Patented Feb. 13, 1883.



WITNESSES:

Med. & Dietrich
W. E. Walling

INVENTOR.

Richard C. Nugent

by A. C. Johnston
ATTORNEYS.

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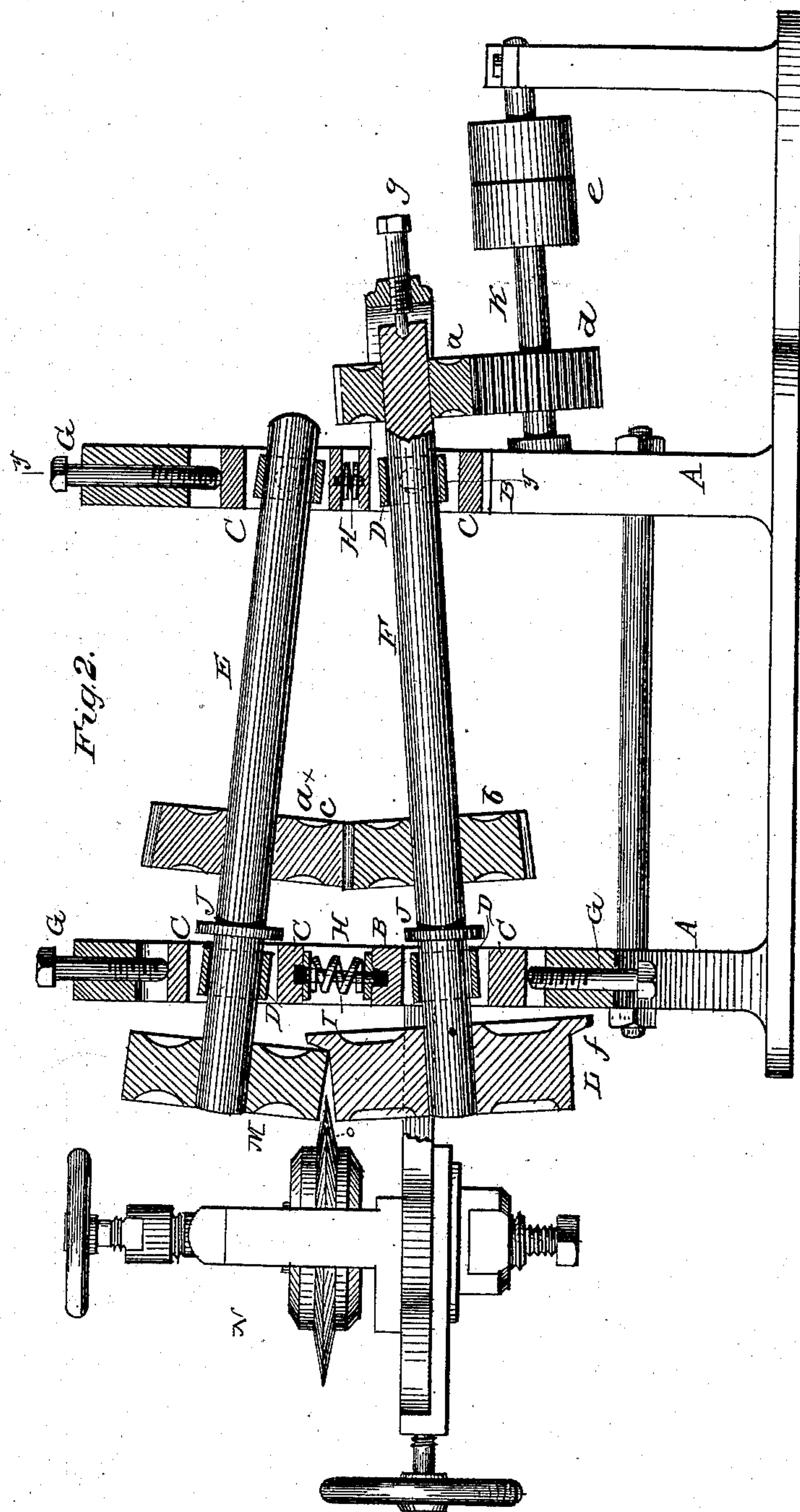
3 Sheets—Sheet 2.

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Patented Feb. 13, 1883.



WITNESSES:

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INVENTOR.

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(No Model.)

3 Sheets—Sheet 3.

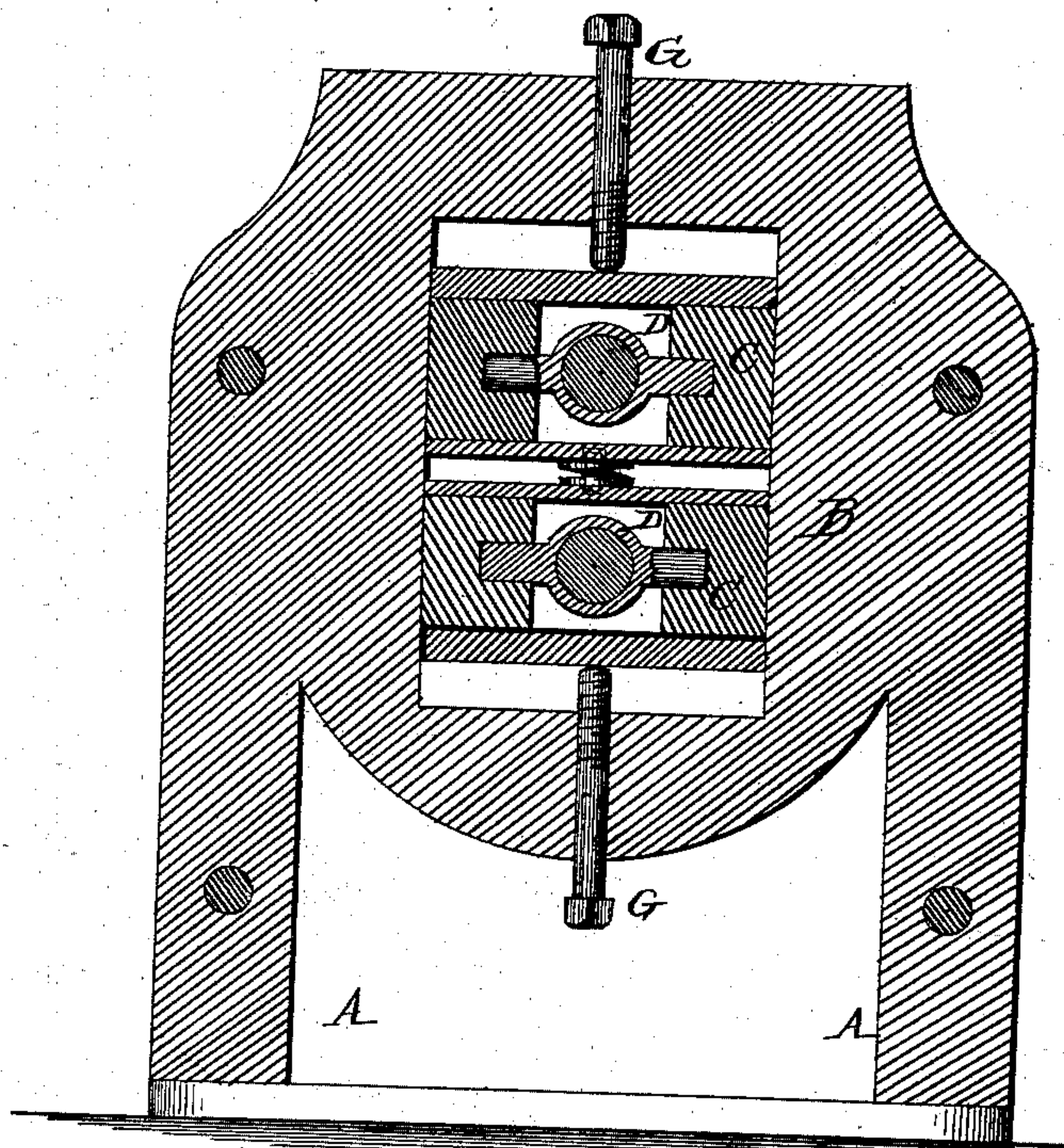
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Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD C. NUGENT, OF PITTSBURG, PENNSYLVANIA.

MACHINE FOR BEVELING COLTERS, &c.

SPECIFICATION forming part of Letters Patent No. 272,082, dated February 13, 1883.

Application filed August 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, RICHARD C. NUGENT, of
Pittsburg, in the county of Allegheny and
State of Pennsylvania, have invented a new
5 and useful Improvement in Machines for Beveling the Edges of Colters and Analogous Articles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in machines for beveling the edges of colters and analogous articles; and it consists in the features of construction and combination, substantially as hereinafter set forth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

20 In the accompanying drawings, which form part of my specification, Figure 1 is a side elevation of my improvement in machines for beveling the edges of colters and analogous articles. Fig. 2 is a longitudinal section; Fig.
25 3, a transverse section taken on the line *y y*.

In the accompanying drawings, A represents the frame of the machine, in the uprights B of which are adjustable blocks C, in which are pivoted swivel-bearings D, for the shafts or axles E F. The blocks C are susceptible of adjustment in the uprights B through the medium of adjusting-screws G, and are held against the inner ends of the adjusting-screws G by means of spiral springs H, or other means placed on vertical pins I, the ends of which are fitted in recesses in the blocks C. The axles or shafts E F are provided with collars J; for preventing them from moving longitudinally.

40 On the shaft or axle F are secured wheels *a b*, the wheel *b* meshing into wheel *c* on the shaft E, and the wheel *a* meshing into wheel *d* on the shaft K, having a driving-pulley, *e*.

On one end of the shaft F is a roller, L, having a beveled flange, *f*, which flange is adjusted 45 with reference to the rear side of the roller M on the shaft E through the medium of adjusting-screw *g*, said flange being employed for the purpose of preventing the "finning" of the periphery or cutting-edge of the colter or 50 other article while forming the beveled edge thereon.

The formation of the teeth of the gear-wheels *a b c d*, for adapting the wheels to the converging and varying positions that the 55 shafts or axles E F may be in in adjusting the rolls L M to the different degrees of bevel desired for the colter or other article, I leave to the skill and judgment of the mechanic.

The clamping mechanism N, for the blank O, 60 is the same in construction and operation in every respect as that described in Letters Patent No. 248,053, granted me October 11, 1881, for improvement in machines for beveling plow-colters, to which reference is had; and 65 the operation of the machine, as an entirety, will be readily understood by reference to the accompanying drawings and without further description.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, and desire to secure by Letters Patent of the United States, is—

The combination, with the roller L, provided with an annular flange, *f*, of the plane-faced roller M, the shafts E and F, mounted in pivoted bearings D, and means, substantially as described, for effecting a longitudinal adjustment on the part of one of the shafts, these said shafts being mounted so as to diverge toward their ends upon which the rollers are secured, substantially as described.

R. C. NUGENT.

Witnesses:

A. C. JOHNSTON,
I. R. BEAZELL.