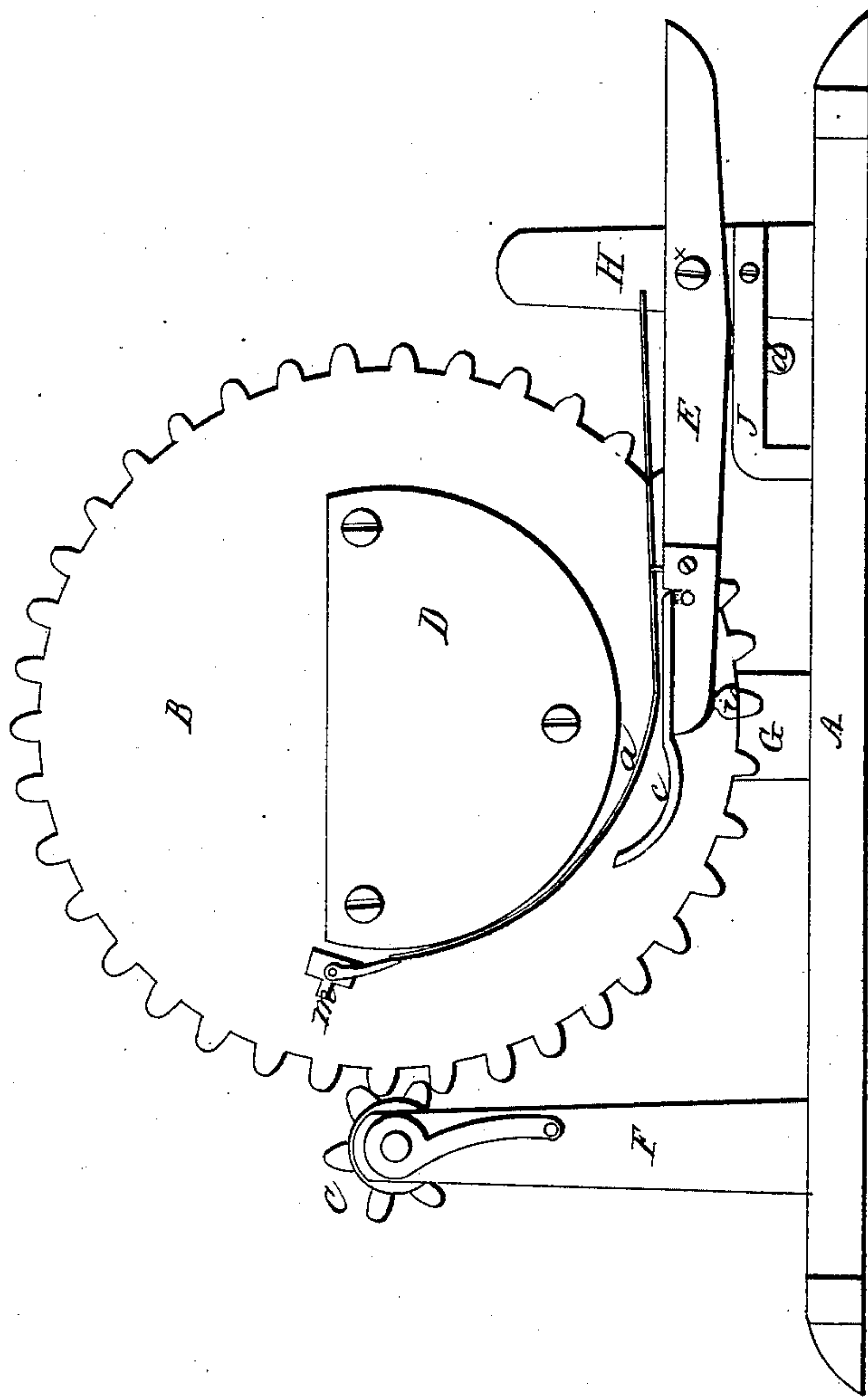
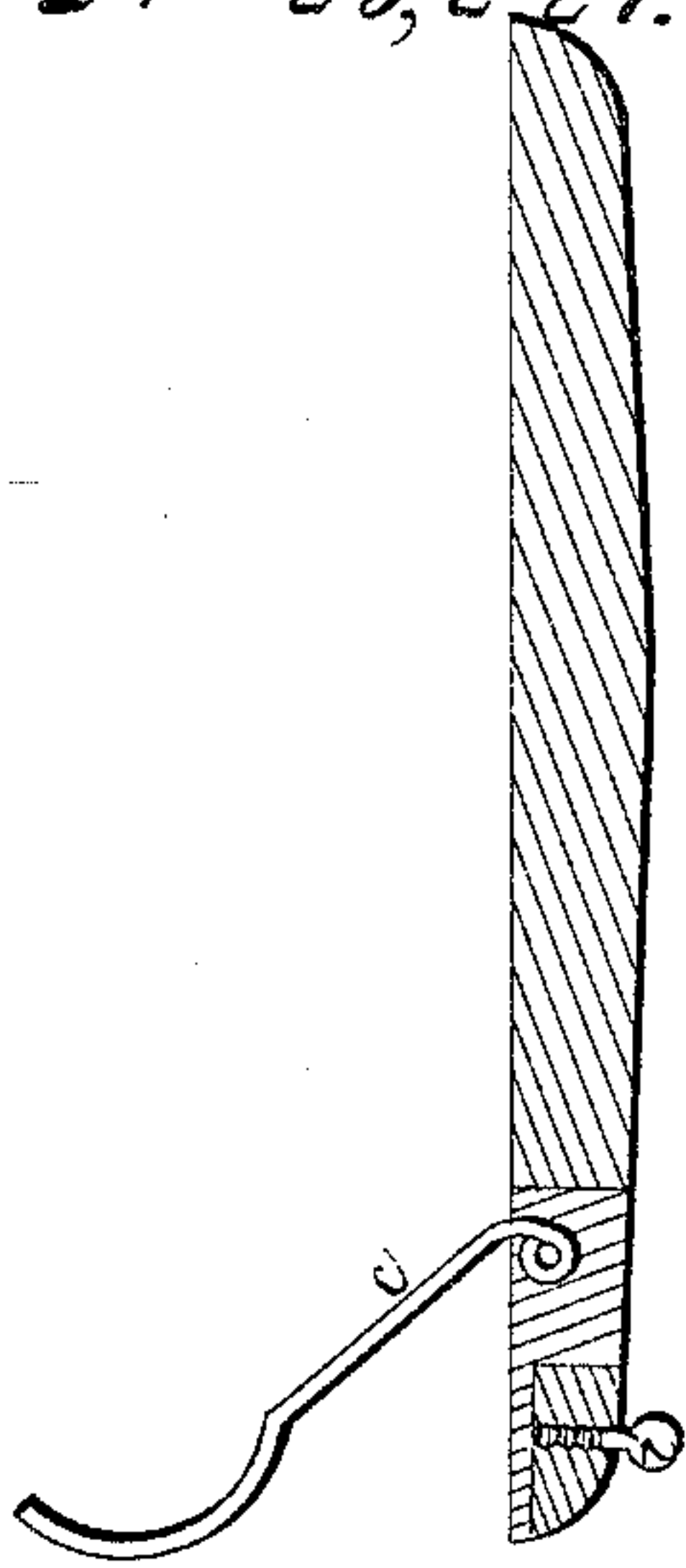


*G. A. Brown,
Bending Wood*

Patented Mar. 15, 1859.

N^o 23,227.



Witnesses:

*W. H. Murray
S. A. Charles*

Inventor:

Geo A Brown

UNITED STATES PATENT OFFICE.

GEO. A. BROWN, OF NEWFANE, NEW YORK.

MACHINE FOR BENDING WOOD FOR FELLIES.

Specification of Letters Patent No. 23,227, dated March 15, 1859.

To all whom it may concern:

Be it known that I, GEORGE A. BROWN, of Newfane, in the county of Niagara and State of New York, have invented certain new and
5 useful Improvements in Machines for Bending Wood for Fellies or other Purposes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying
10 drawings and to the letters of reference marked thereon.

The nature of my invention consists in the employment and arrangement together of the several parts which will be hereinafter
15 particularly described.

In order that those skilled in the art may make and use my invention I will proceed to describe its construction and operation.

In the annexed drawing A, represents the
20 frame of the machine.

F, G, and H, are uprights in this frame.

B is a large wheel which is provided with cogs, said wheel being supported by an axle which has its bearing in the upright G'.

25 C' is a small cog wheel which works into wheel B, and which is supported by the upright F'.

D, represents a semicircular mold block which is secured to the wheel B, by means of screws in such a manner that it may be brought nearer or removed farther from the wheel B, according to the width of the wood to be bent.

35 E, is a platform or rest on which the timber to be operated upon is placed. This platform is secured to the upright H, by means of a screw *x*, said platform, being raised or lowered by means of a screw *d*, which passes through the piece J, and operates against its
40 bottom. It is also provided near its front end with a metallic spring *c*. Said spring is hinged to the platform as will be seen, and

is regulated by means of screw *i*, which passes through the platform and strikes or bears against the bottom of the spring.

The object of the adjustable platform is
45 to accommodate the machine to timber of different thicknesses, and the object of the adjustable spring is to accommodate the machine to inequalities of timber without the
50 trouble of changing the position of any of its parts. Timber is often passed through machines which has many inequalities which would stop the machine if the parts were all rigid, but in this machine the spring gives
55 and the inequalities are allowed to pass under and around the mold without difficulty.

a is a metallic or gutta percha strap one end of which is free the other being secured
60 to a screw which plays in a slot *m*, in wheel B, and is stationed at any desired point by means of a bolt, or nut on the opposite side of the wheel. The timber to be bent, is placed between the strap and the mold block
65 and when the wheels C, and B, are turned it is drawn through, and being pressed against the mold by the spring *c*, it takes the shape of said mold. When the timber is bent, its ends may be secured together and it may be
70 removed and another piece placed in the machine.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is—
75

The arrangement of the platform E, screws *d* and *i*, and spring *c*, with the mold block D, the several parts being constructed and operating substantially in the manner and for the purpose specified.

GEO. A. BROWN.

Witnesses:

G. W. MILDRETH,
S. A. CHARLES.