

(No Model.)

J. GIBSON.

MACHINE FOR FORMING PICTURE FRAME MOLDINGS.

No. 551,205.

Patented Dec. 10, 1895.

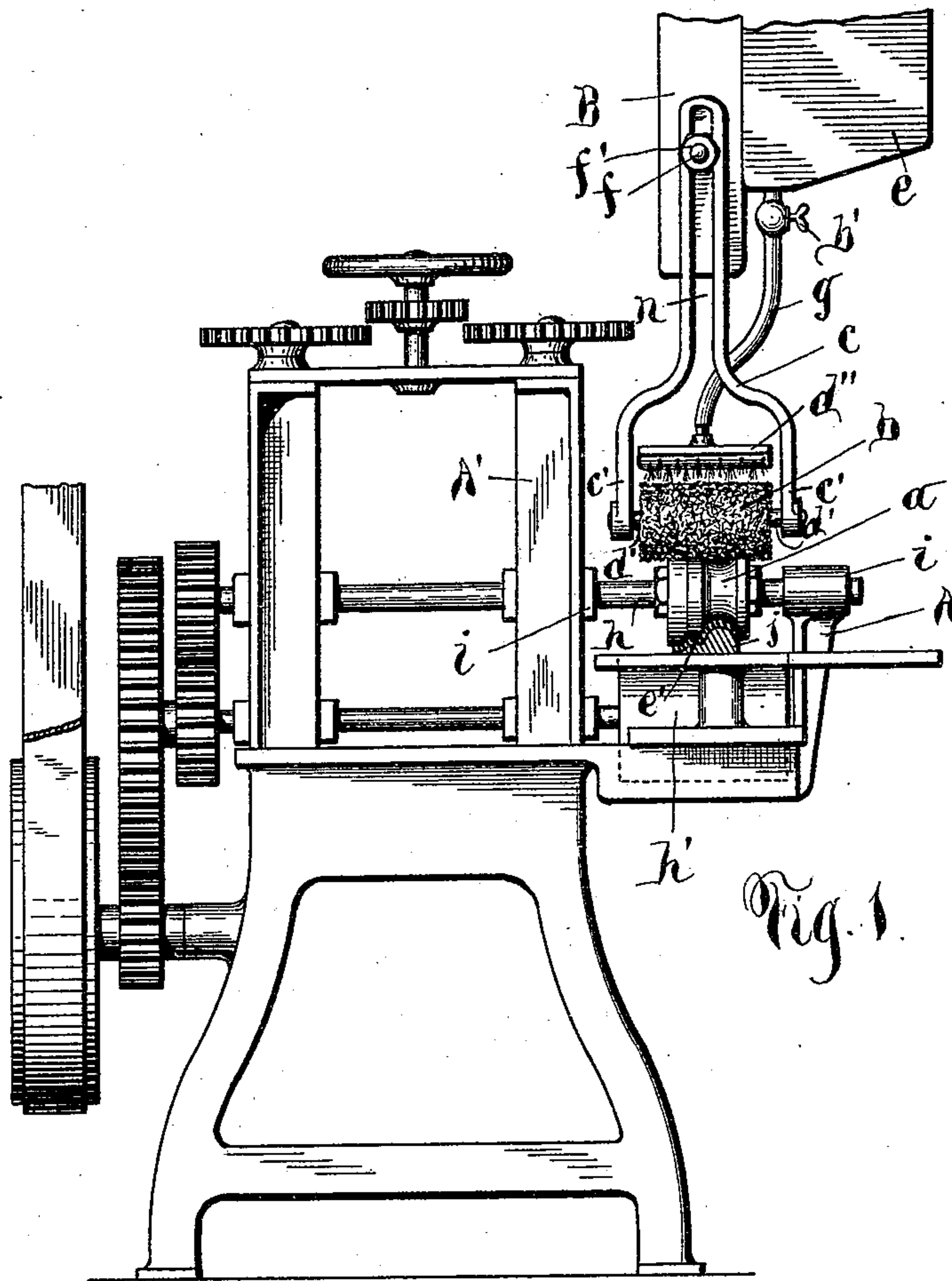


Fig. 1.

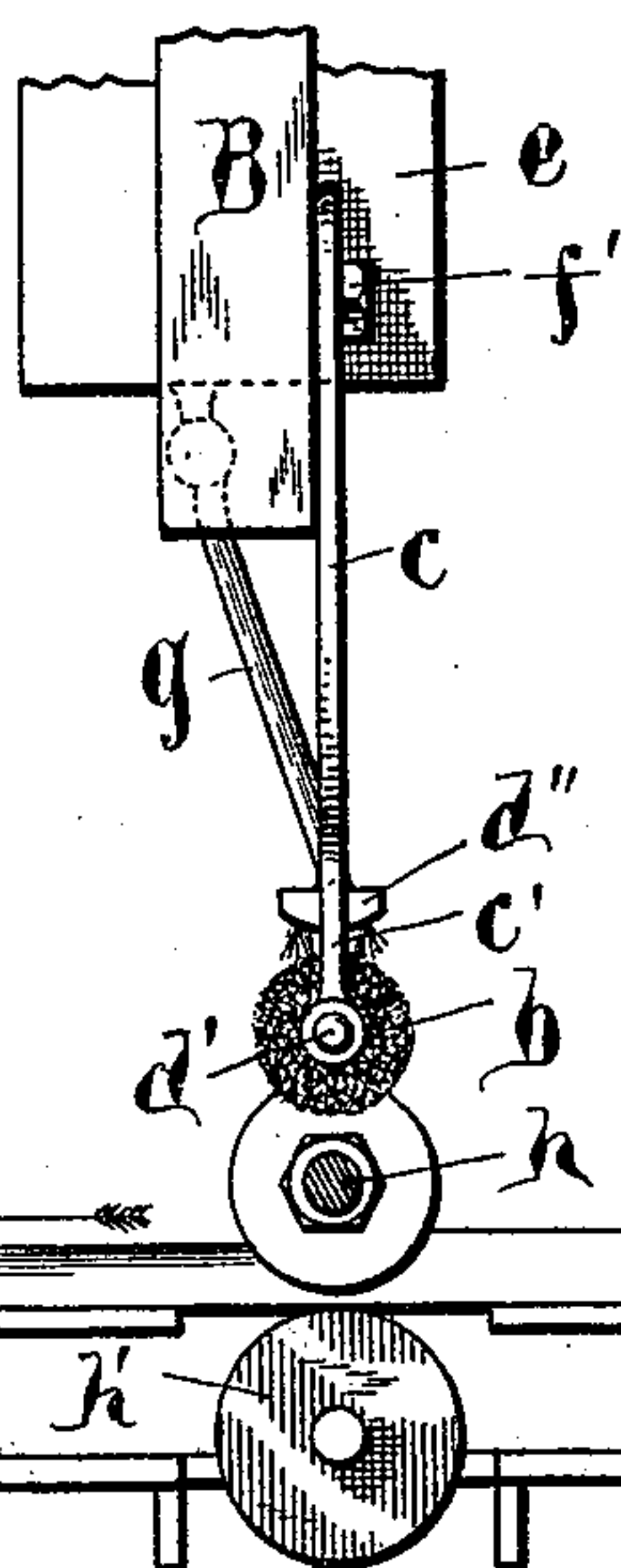


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES GIBSON, OF SYRACUSE, NEW YORK.

MACHINE FOR FORMING PICTURE-FRAME MOLDINGS.

SPECIFICATION forming part of Letters Patent No. 551,205, dated December 10, 1895.

Application filed April 19, 1895. Serial No. 546,356. (No model.)

To all whom it may concern:

Be it known that I, JAMES GIBSON, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful
5 Improvements in Machines for Forming Picture-Frame Moldings, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

10 This invention relates to the class of machines which form moldings for picture-frames and analogous articles by means of an impression-roller having an embellished surface bearing upon a prolonged strip of
15 plastic material applied to a wooden base which during the operation of the impression-roller is carried on a rotary bed-roller; and the invention consists in the improved organization and combination of parts of a picture-frame-molding machine provided with a
20 moistening and cleaning device for the impression-roller to prevent adhesion of the plastic material thereto and impairing its efficiency during the operation of the machine.

25 In the annexed drawings, Figure 1 is an end elevation of a picture-frame-molding machine with my cleaning and moistening device combined therewith, and Fig. 2 is a side view of the same.

30 Similar letters of reference indicate corresponding parts.

A and A' represent portions of a molding-machine having bearings *i i'* in which is supported the shaft *h* of the impression-roller
35 *a*, and directly below said roller is the bed-roller *h'*.

In the operation of said machine, a wooden base *j* of the desired shape having a prolonged strip of plastic material *e'* applied thereto is
40 passed between said rollers and by reason of the configurations of the impression-roller and its pressure upon the plastic material, ornamentation is imparted to the same, thereby applying to the wooden base an ornamental facing which subsequently solidifies. Directly over the impression-roller *a* is my cleaning and moistening device which consists of
45 a revoluble roller *b* formed of sponge or analogous material supported on a hanger *c* hung on a bracket or support *B*, said hanger having formed in its upper portion a longitudinal slot *n* and is vertically adjustable toward
50 and from the impression-roller *a* on the bracket *B* by means of the attaching-bolt *f* passing through said bracket and slot and

provided with a nut *f'* by which the hanger is clamped in its position. The lower portion of said hanger is formed with two downwardly-projecting parallel arms *c' c'* on which is hung the shaft *d'* of the revoluble cleaning and
60 moistening roller *b*. Said roller may be formed of any suitable pliable material, preferably of sponge, and bears against the impression-roller for the purpose of moistening the same to prevent adhesion of the plastic
65 material to the same and also clean said roller. Said roller may be kept moist by any well-known means.

For exemplification I have shown a tank
70 *e* supported on the bracket *B*, a sprinkler *d''* directly over the roller, a pipe *g* leading from said tank to the sprinkler and a valve *b'* in the pipe to control the flow of water.

By means of the aforesaid adjustment, impression-rollers of various sizes may be employed and the pressure of the cleaning and
75 moistening roller upon the impression-roller may be regulated.

Having described my invention, what I claim is—
80

In a machine for forming picture frame moldings, the combination of the impression-roller —*a*—, a bed-roller —*h'*— supported below said impression roller with a passage between said rollers for the reception of the
85 wooden base —*j*— having a prolonged strip of plastic material —*e'*— applied thereto, a hanger —*c*— hung on a support —*B*— above said impression-roller and provided with a longitudinal slot —*n*—, a bolt —*f*— passing
90 through said slot and support by which said hanger is vertically adjustable toward and from said impression roller, a nut —*f'*— clamping the hanger in its adjusted position, said hanger formed with two vertically parallel
95 arms —*c' c'*—, the moistening and cleaning roller —*b*— secured between said arms and bearing on the impression roller —*a*—, a sprinkler —*d''*— located between said arms and directly over the moistening and
100 cleaning roller, a water-tank —*e*— on the support —*B*— and a pipe —*g*— leading from the tank to said sprinkler as described and shown.

In testimony whereof I have hereunto signed my name this 1st day of April, 1895.
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JAMES GIBSON. [L. S.]

Witnesses:

J. J. LAASS,
C. L. BENDIXON.