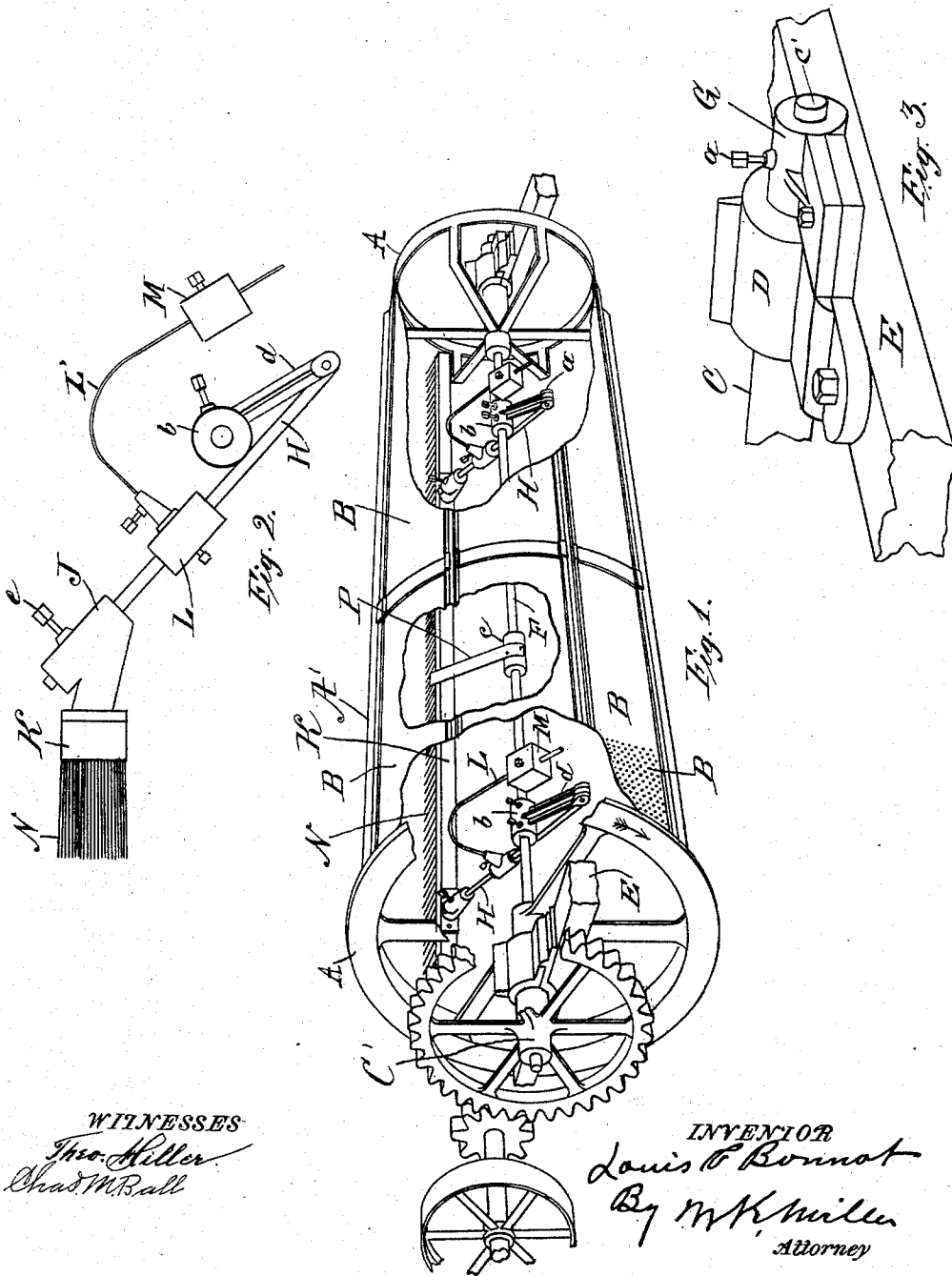


(No Model.)

L. C. BONNOT.
BOLTING MACHINE.

No. 522,702.

Patented July 10, 1894.



WITNESSES
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Chas. M. Ball

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UNITED STATES PATENT OFFICE.

LOUIS C. BONNOT, OF CANTON, OHIO, ASSIGNOR TO THE BONNOT COMPANY,
OF SAME PLACE.

BOLTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 522,702, dated July 10, 1894.

Application filed August 31, 1893. Serial No. 484,507. (No model.)

To all whom it may concern:

Be it known that I, LOUIS C. BONNOT, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Bolting-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to an improvement in bolting machines for bolting clay, and consists of certain features of construction and combination of parts, as will be hereinafter described and pointed out in the claims.

Figure 1 of the accompanying drawings is a view in perspective of a bolting machine, illustrating my invention. Fig. 2, is a side view of a link connecting brush to central supporting shaft, and counterbalance, and Fig. 3, a perspective of a fragment of the main supporting frame, journal box and sleeve by which the brush supporting shaft is held against rotation.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

A, represents the spider heads and A', the bolt frame secured to the spiders A, to which the perforated sheet iron B, is secured. The hub and journal portions C C' of the spiders are apertured longitudinally, and rotate in journal boxes D, supported on frame E. The central brush supporting bar F is passed through the hub C, and a brush and spring sleeves b and c, and hub C', and is secured in the hollow hubs and against rotation by the sleeve G and set screw d. On the sleeves b and integral therewith are provided arms as d' projected downwardly and outwardly from the sleeve toward that side of the bolt opposite the brush; the sleeves are secured to the bar F by set screws as shown. To the ends of the arms d are pivotally secured rods H, the free ends of said rods passing into sleeves J secured to the brush head K, in which they may be secured in desired adjustment by the set screws e, and on the rods H are provided adjustable sleeves L to which

is secured a rod as L', projected upwardly and over to the opposite side of the bar G, on the free end of which is placed an adjustable balance weight M.

It will be noticed that the length of the rods H, and brush K is greater than the distance from the bar F to the side of perforated covering, whereby the circle described by the brush wires N will be greater and eccentric to the circle of the bolt by which arrangement a light or heavy sweeping movement of the wires N may be made on the inside of the bolt to sweep back the clay and prevent it adhering to and being carried over and about with the bolt. The pressure on the face of the bolt may be regulated by the balance weight M.

To arrest the upward movement of the brush a spring as P is secured to the bar F, against which the brush head may strike; the energy of the spring being exerted downward, will reverse the movement of the brush.

Having thus fully described the nature and the object of my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with the bolt of the hollow journals C, and C', of the bar F, sleeves b having arms d, rods H, and brush K, and means for holding the bar F against rotation, substantially as described and for the purpose set forth.

2. The combination with the bolt of the hollow journal, the central bar F, and means for holding said bar against rotation, of the sleeves b, having arms d, rods pivotally secured to said arms, brush K and adjustable counter balance M, substantially as described and for the purpose set forth.

3. The combination with the bolt of the bar F, brush K, rods H, sleeves b having, arms d and spring P, substantially as described and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 28th day of August, A. D. 1893.

LOUIS C. BONNOT.

Witnesses:

H. H. WHITING,
W. K. MILLER.