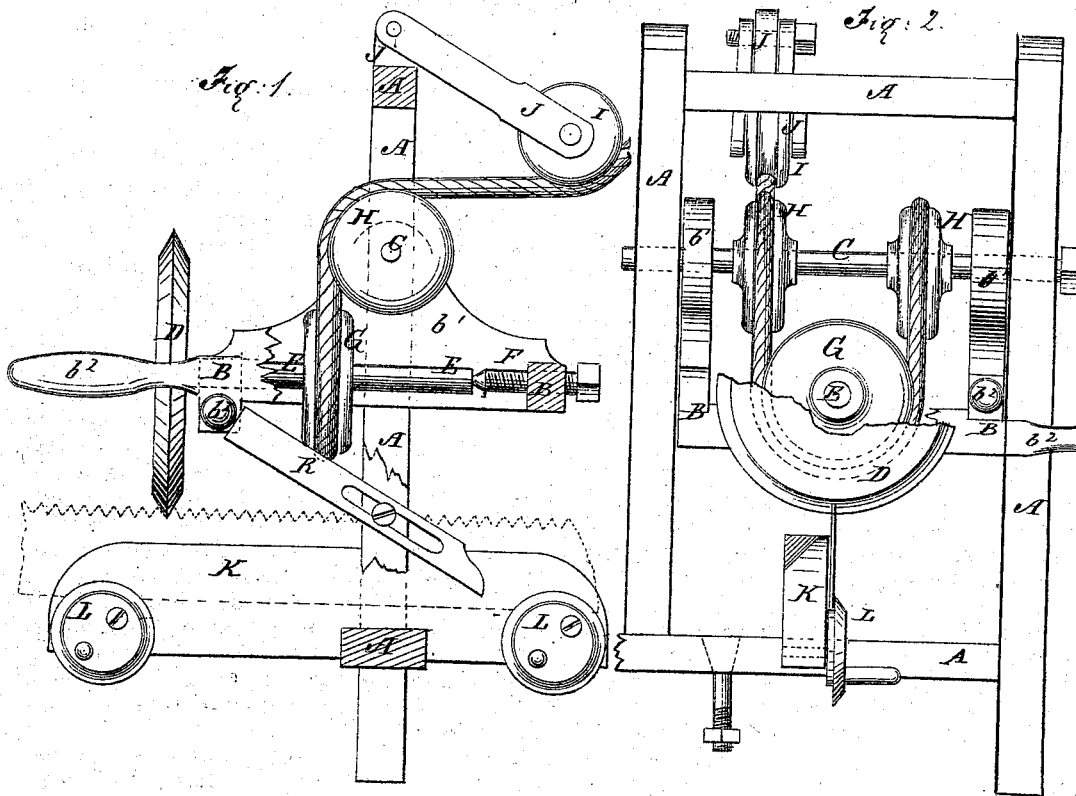


H. BAUGHMAN.  
Saw-Gummers.

No. 135,962.

Patented Feb. 18, 1873.



Witnesses:

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# UNITED STATES PATENT OFFICE.

HENRY BAUGHMAN, OF DORN'S GOLD MINES, SOUTH CAROLINA.

## IMPROVEMENT IN SAW-GUMMERS.

Specification forming part of Letters Patent No. 135,962, dated February 18, 1873.

*To all whom it may concern:*

Be it known that I, HENRY BAUGHMAN, of Dorn's Gold Mines, in the county of Abbeville and State of South Carolina, have invented a new and Improved Saw-Gummer; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figures 1 and 2 are, respectively, side and front views, partly broken away, of my improved machine.

My invention has for its object to furnish an improved machine for gumming saws; and consists in the improvements hereinafter fully described and subsequently claimed.

A is a vertical frame, which, when the machine is to be used, is secured to its support by a bolt, as indicated in Fig. 2. B is a frame, to the upper sides of the side bars of which are attached brackets  $b^1$  having holes formed through them to receive the rod C, which also passes through holes in the upright bars of the frame A, and thus suspends and pivots the said frame B to the said frame A. D is the emery-wheel, which is attached to the end of the shaft or mandrel E. The emery-wheel D must be made of such a shape and size as may be necessary to bring the saw-teeth to the required shape. The shaft E revolves in bearings attached to the front bar of the frame B, and its rear end revolves upon the point of the center screw F, as shown in Fig. 1. To the shaft E, near the front bar of the frame B, is attached a grooved pulley, G, around which passes the band by which the emery-wheel is driven. The driving-band from the pulley G passes over the two pulleys H that run loosely upon the rod C, and passes thence to the driving-pulley. The driving-band is kept taut during the various movements of the frame B

by the idler I, which rests upon the said band and is connected with the frame A or other suitable support by a jointed rod, J. K is a holder for the saws, which is bolted to the base-bar of the frame A. The saw-plate is placed at the side of the holder K with its rear edge resting upon the shoulders of the small flanged eccentric-wheels L pivoted to the lower part of the side of the said holder K, and which are provided with handles for convenience in adjusting them according to the breadth of the saw-plate. The pivoted frame B is operated by means of a handle or handles,  $b^2$ , formed upon the projecting ends of a side bar or bars of the frame B, as shown in Figs. 1 and 2. R is an adjustable guide or stop attached to one of the side bars of the frame A, and against which the handle  $b^2$  strikes to limit the movement of the frame B, and thus insure the uniformity of the teeth.

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

1. The frame A, pivoted frame B  $b^1$   $b^2$ , rod C, emery-wheel D, shaft E, pulley G, and loose pulleys H, said parts being constructed, arranged, and operating substantially as herein shown and described, and for the purpose set forth.

2. The holder K, provided with flanged eccentrics L for holding the saw-plates while being operated upon by the emery-wheel D, substantially as herein shown and described.

3. The combination of the adjustable guide or stop R with the frame A and pivoted frame B  $b^1$ , to limit the movement of the frame B and emery-wheel E and make the teeth uniform, substantially as herein shown and described.

HENRY BAUGHMAN.

Witnesses:

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