

(No Model.)

H. S. TAYLOR.
GIN SAW FENDER.

No. 490,049.

Patented Jan. 17, 1893.

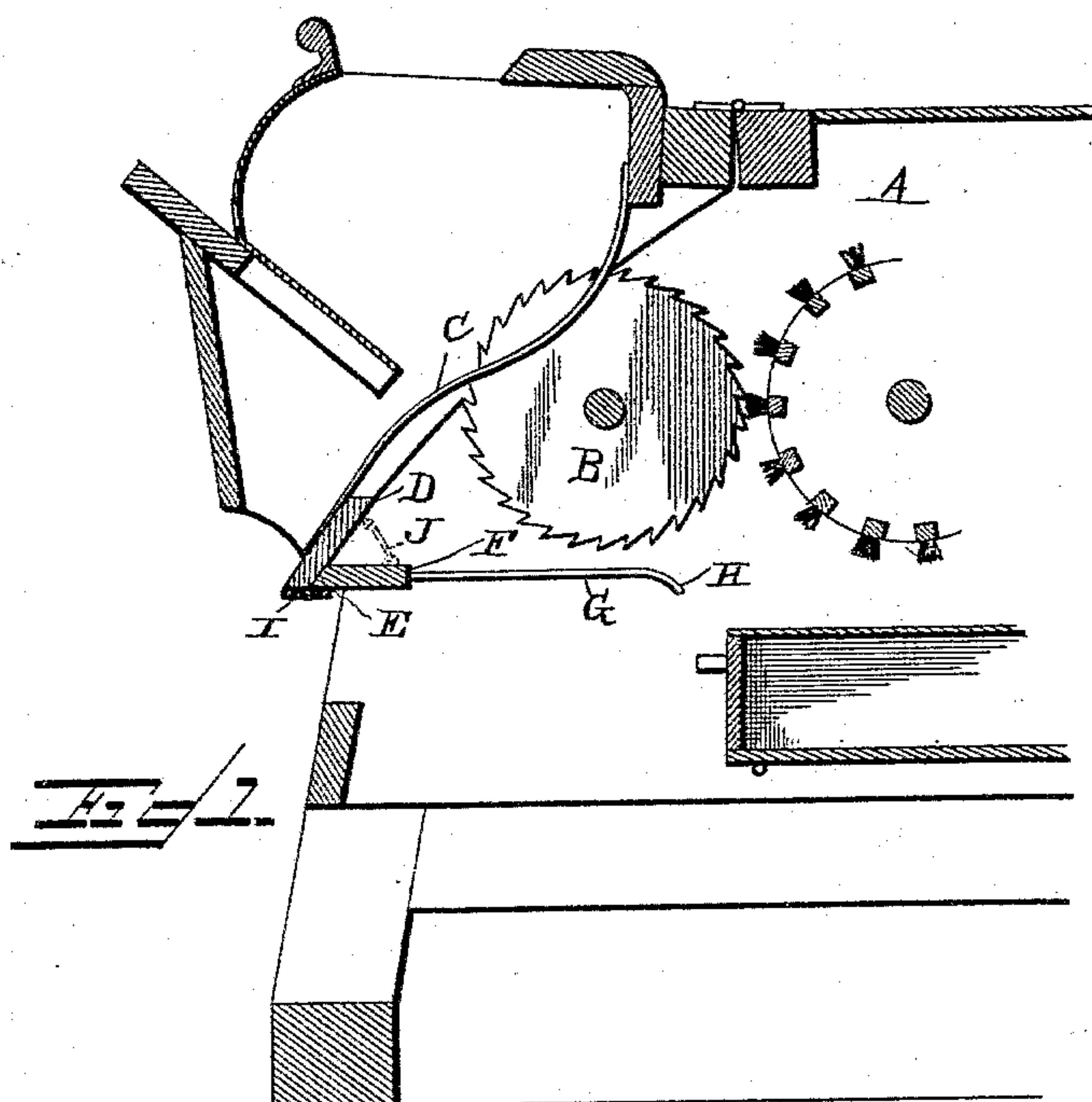
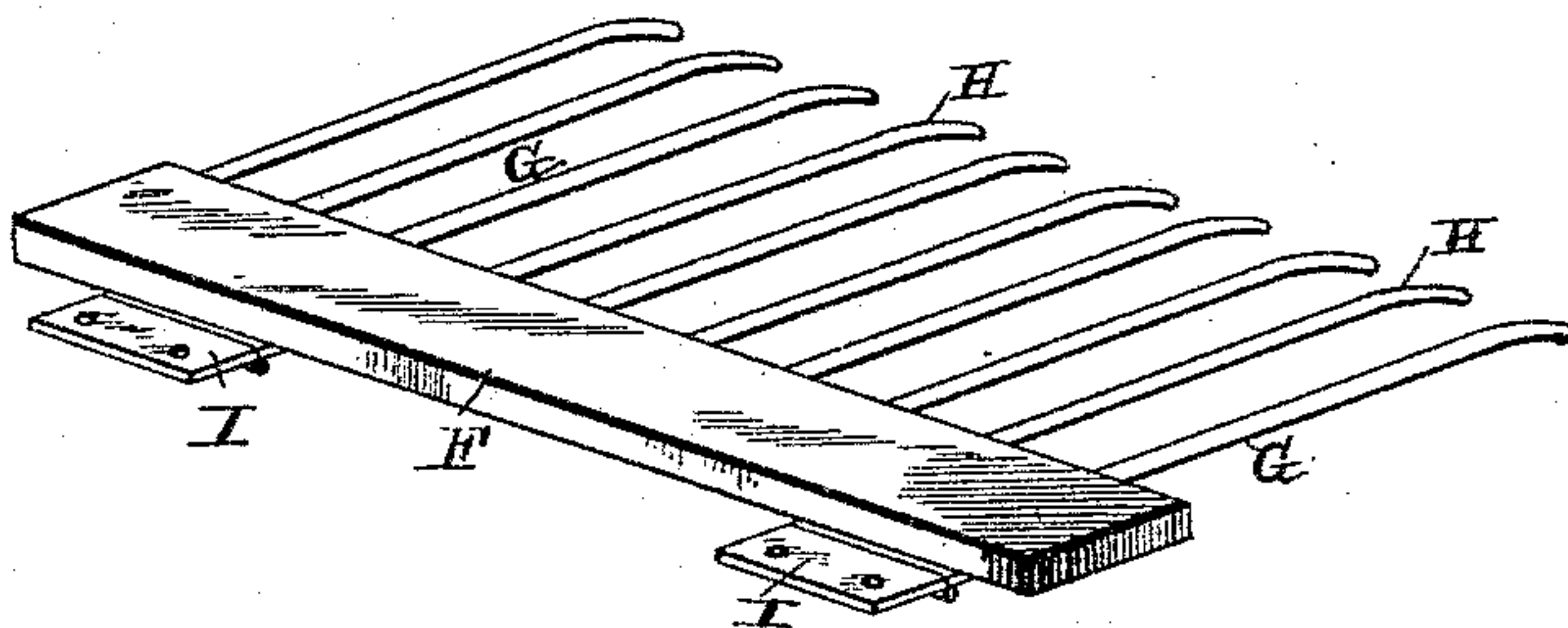


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HILLIARD S. TAYLOR, OF HOMER, LOUISIANA.

GIN-SAW FENDER.

SPECIFICATION forming part of Letters Patent No. 490,049, dated January 17, 1893.

Application filed July 8, 1892. Serial No. 439,409. (No model.)

To all whom it may concern:

Be it known that I, HILLIARD S. TAYLOR, a citizen of the United States, residing at Homer, in the parish of Claiborne and State of Louisiana, have invented a new and useful Gin-Saw Fender, of which the following is a specification.

This invention relates to gins; and it has for its object to provide an improved gin saw fender which can be easily and readily attached to any make of gin, and is designed to be so arranged beneath the saws of the gin that the operator is perfectly protected and prevented from being cut by the saws accidentally or through carelessness, while the gin is running, in removing motes or working the mote board, which is done by placing the arm into the machine under the saws.

To this end the main and primary object of the invention is to provide an improved fender, simple and cheap in construction, yet efficient in the use for which the same is adapted.

With these and many other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings;—Figure 1 is a vertical sectional view of a portion of a gin provided with a saw fender constructed in accordance with this invention. Fig. 2 is a detail perspective of the fender or guard.

Referring to the accompanying drawings;—A represents a gin of any suitable construction having the usual saws B, the gin ribs C in front of said saws, and the lower breast bar D, to which are secured the lower ends of said ribs. Now it is well understood, that in attending to the mote board back of the saws in a gin, the operator must necessarily pass his arm into the machine under the lower breast bar and therefore beneath the saws. Such an operation necessarily exposes the hand, arm, and sleeve of the operator to the revolving saws, which are likely to injure the operator unless extremely careful. To avoid these dangers I provide an improved fender or guard E, which is adapted to be

arranged under the saws and to form a protection therefrom while in operation and when the breast of the gin is raised. The said fender or guard comprises the end finger bar F and the series of parallel fender or guard fingers G, secured at one end in said bar and adapted to project under the saws of the gin, said fingers being in a number equal to or greater than the saws in the gin, so that a finger will lie directly under each saw, and also under the spaces between the same if found necessary. The bar F may be constructed of any suitable material and in any suitable shape, and the fender or guard fingers G, secured thereto at their inner ends, have the outer downturned ends H, which prevent the lint from catching or hanging on the ends of the fingers, and therefore becoming clogged thereon. The bar F is connected to the lower edge of the lower breast bar D, by means of the hinges I, which are secured to said bars in such a manner that when the arm is placed within the gin under said fingers, the same will not rise up to the saws inasmuch as the back edge of the bar F will strike the rear edge of the lower breast bar D. It will of course be understood, that if desired, the fender may be rigidly attached to the breast bar, but is preferably hinged by spring hinges so that the device can be pulled down from the saws in order to observe the working thereof. Further it will be apparent that the construction of the fender comprising a series of fingers, prevents any motes or lint collecting thereon as is likely with other constructions of fenders, and provides for a full and free circulation or ventilation of air from the gin brushes, which finds no impediment in the fingered fenders.

A suitable fastening device J may be employed if desired to hold the fender in its proper position under the saws and which at the same time allows the feeder or guard to be lowered if so desired or found necessary.

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

In a gin the combination with the lower breast bar thereon, of a saw fender or guard

comprising a series of parallel fingers having
outer downturned ends, said fender or guard
being hinged at one end to the inner side of
the breast bar so as to project beneath the
5 lower edges of the saws, leaving the other end
free to move, and means for normally sup-
porting the guard beneath the saws, substan-
tially as set forth.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

HILLIARD S. TAYLOR.

Witnesses:

O. P. BAILEY,
M. NALLE.