

T. H. Taylor, Mower.

No. 95,537.

Patented. Oct. 5. 1869.

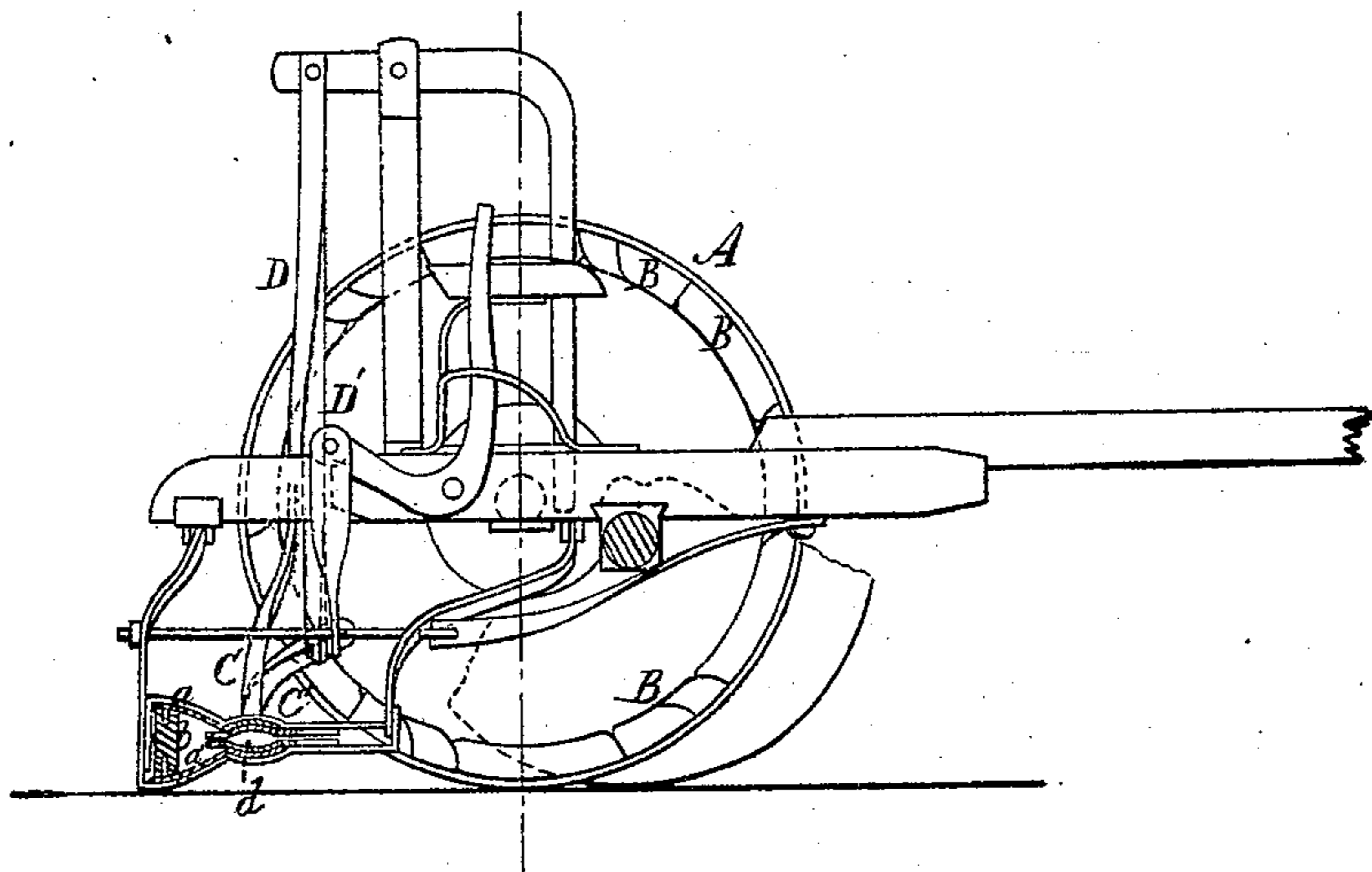
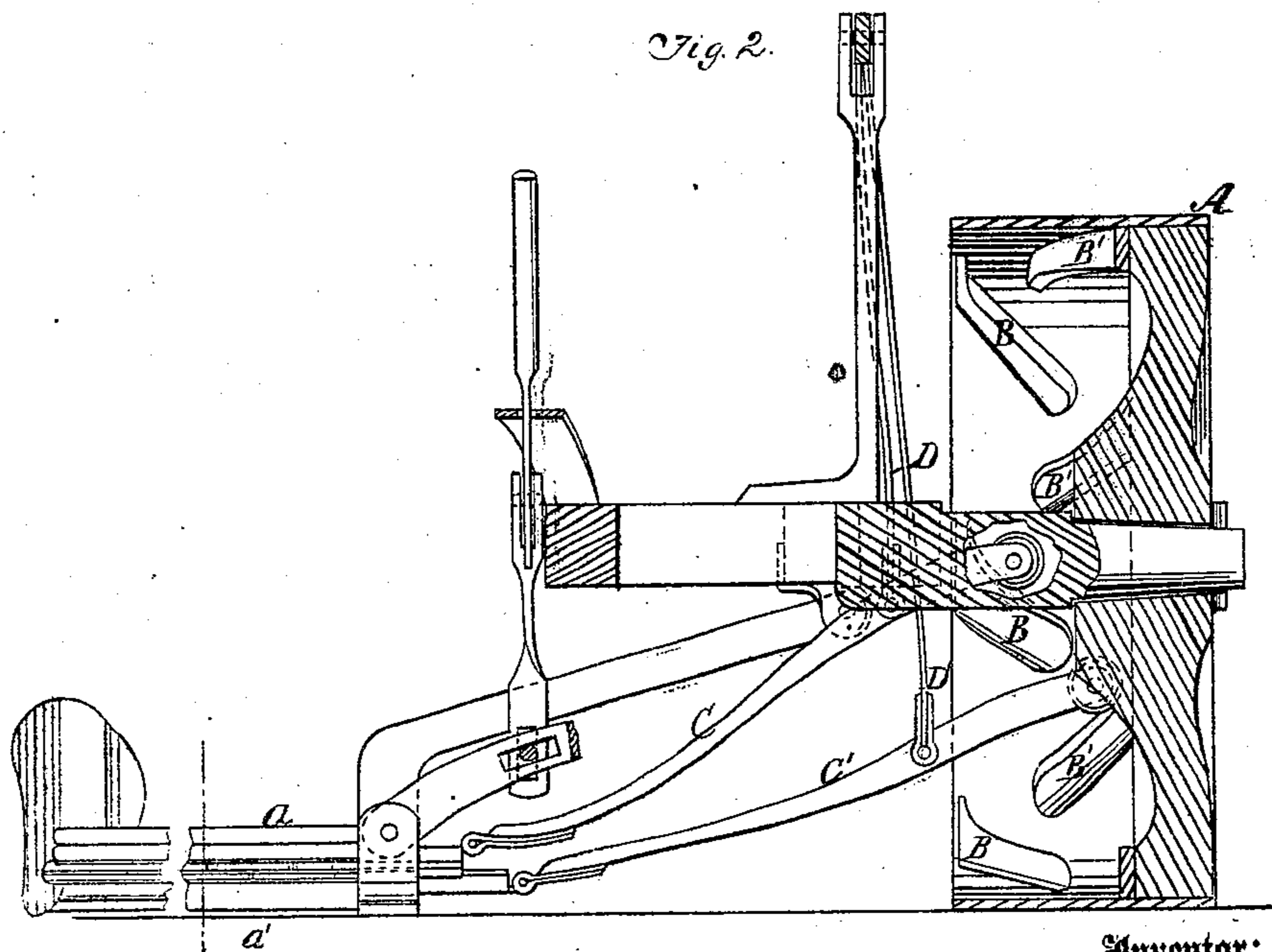


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

T. H. TAYLOR, OF JEFFERSONVILLE, ILLINOIS.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 95,537, dated October 5, 1869.

To all whom it may concern:

Be it known that I, T. H. TAYLOR, of Jeffersonville, in the county of Wayne and State of Illinois, have invented a new and useful Improvement in Reaping and Mowing Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in reaping and mowing machines designed to provide an improved arrangement for operating the cutter-bars, also an improved arrangement of the cutter and cutter-supporting bars, all as hereinafter more fully specified.

Figure 1 represents a longitudinal sectional elevation of my improved machine, and Fig. 2 represents a transverse section of the same.

Similar letters of reference indicate corresponding parts.

I propose to employ two cutter-bars and two sets of cutters, one above the other, and arranged to move simultaneously in opposite directions, similar to others now in use.

For imparting the said simultaneous movements in opposite directions I employ a driving-wheel, A, having a wide rim projecting toward the cutting devices from the web of the wheel, and having on its inner surface two sets of inclined projections, B and B', arranged to throw alternately in opposite directions; and I provide a connecting-rod, C and C', for each cutter-bar, having friction-bowls attached to their inner ends and supported by spring-supports D D' in the path of the projections B

B', one sufficiently above the other to be in contact with one of the projections B throwing in one direction, while the other is in contact with one of the projections B' throwing in the other, thus producing the simultaneously-opposite reciprocating motions.

My improvement in the cutter-bar support and the cutter-bars consists in constructing the former of two parts, *a*, of sheet metal, bent, as represented in cross-section in Fig. 1, to form grooves in each part for the cutter-bars, and uniting the two parts by blocks *b* between them at the rear, and to which they are secured by screws; also, in shaping the cutter-bars in the parts *d* to fit the said grooves in the cutter-bar support for forming the guides wherein they reciprocate, and fitting them with flat surfaces each side of the grooves to work on each other. This arrangement of the cutter-bars and their supporting-bar enables me to fit them by simply passing them through shaping-rollers having grooves suitably formed. It also provides stronger and more durable bars.

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

1. The combination of the driving-wheel, having the projections arranged as described, with the connecting-rods suspended relatively thereto, substantially as specified.

2. The cutter-bar supports, formed of two parts, grooved for the reception of the cutter-bars, and united substantially as described.

T. H. TAYLOR.

Witnesses:

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