(No Model.)

S. C. MEGILL.

ELASTIC CUSHION FOR CUTTER BARS.

No. 260,040. Patented June 27, 1882.

Fig. 1

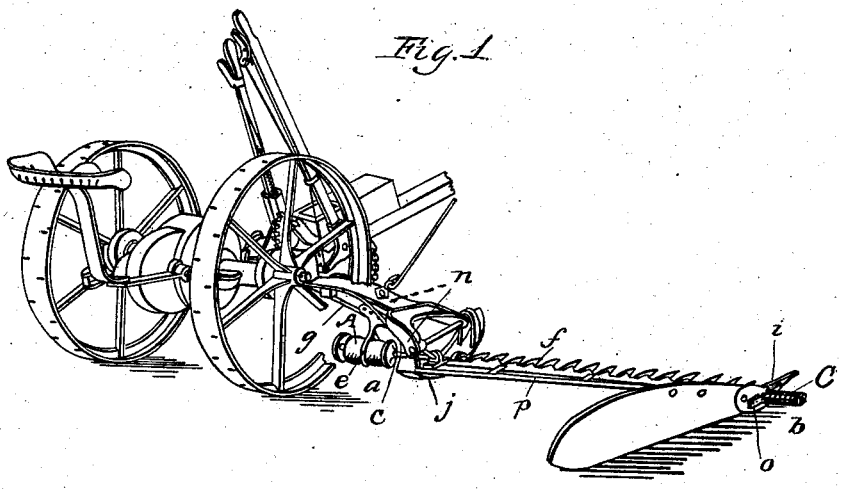
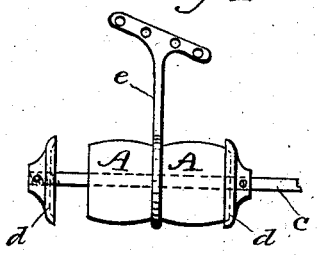


Fig. 2.



WITNESSES—

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SEBRING C. MEGILL, OF CHICAGO, ILLINOIS.

ELASTIC CUSHION FOR CUTTER-BARS.

SPECIFICATION forming part of Letters Patent No. 260,040, dated June 27, 1882.

Application filed October 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, SEBRING C. MEGILL, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Elastic Cushions for Cutter-Bars for Harvesters and Mowing-Machines, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of a mowing-machine with my improved elastic cushion attached. Fig. 2 is a detail view, on an enlarged scale, of my improved elastic cushion.

The object of my invention is to provide harvesters and mowing-machines with means for preventing jarring or concussion by the reciprocating movement of the pitman and cutter-bar; and it consists in applying an elastic cushion to the cutter-bar, as hereinafter described, and particularly pointed out in the claims.

n is the coupling-arm of a mowing-machine, to which arm the finger-bar *p* is hinged. *f* is the cutter-bar, reciprocated by means of the usual crank-wheel through the pitman *g*. The rod *c* is pivoted to the cutter-bar at or near the point at which the pitman is pivoted to the same, so as not to interfere with the raising and lowering of the cutting apparatus. This rod passes through the bracket *e*, which is secured to the coupling-arm *n* or to any convenient part of the frame.

The elastic cushion *a* surrounds the rod *c*, and is clamped in or otherwise secured to the bracket *e*. This cushion may be formed of india-rubber or of spiral or other suitable springs or material.

To the rod *c* are secured the flanged collars *d d*, one each side of the cushion. These collars are arranged in such a position that they will alternately come in contact with the cushion at the end of each stroke of the cutter-bar. The cushion will thus absorb the concussion of the reciprocating parts and relieve the machine of the jar which would otherwise take place.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a mowing-machine, the elastic cushion A, in combination with the cutter-bar *f*, rod *c*, flanged collars *d d*, and bracket *e*, constructed and arranged to operate substantially as and for the purpose set forth.

2. The coupling-arm, finger-bar, cutter-bar, pitman, and crank, in combination with the rod *c*, flanged collars *d d*, bracket *e*, and elastic cushion A, substantially as and for the purpose described.

SEBRING C. MEGILL.

Witnesses:
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