

S. Manning.
Harvester Cutter.

No. 69004

Patented Sep 17. 1867.

Fig: 1.

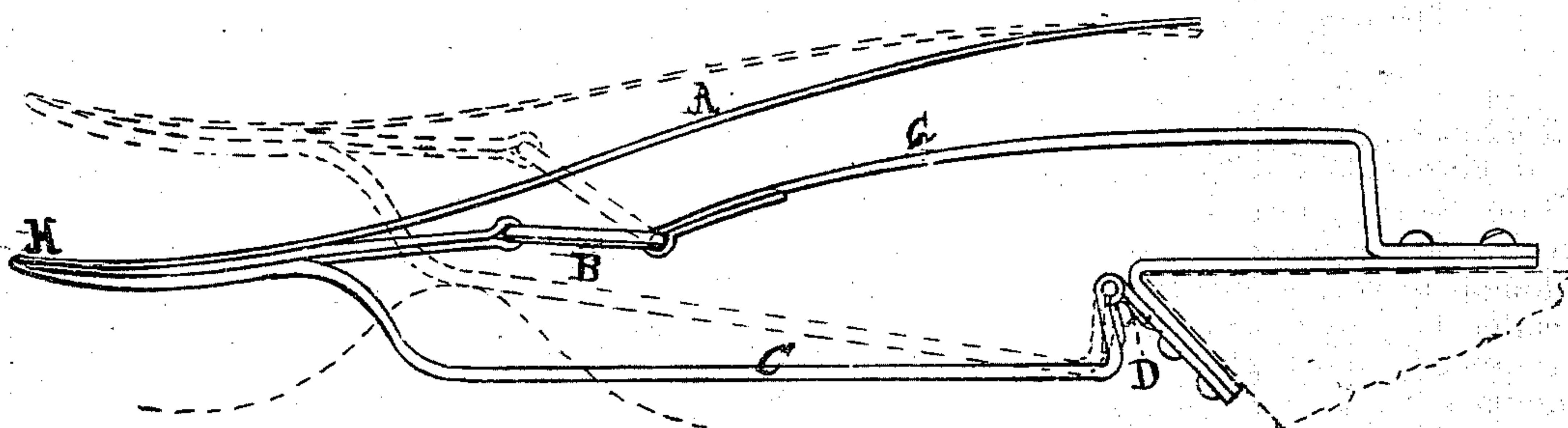
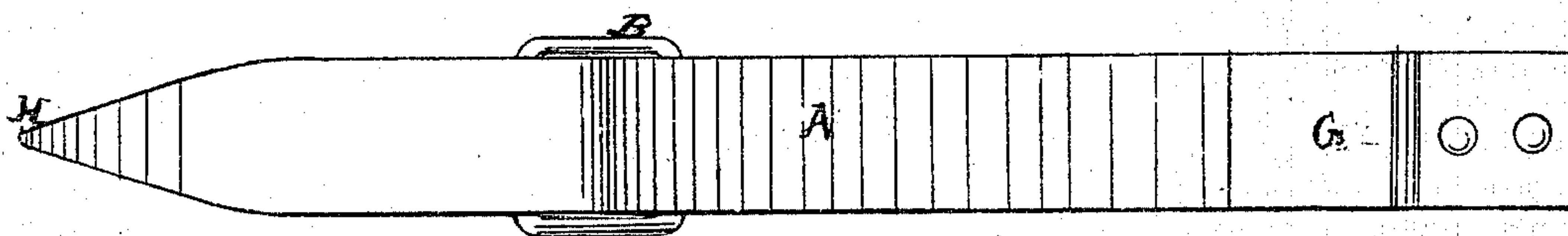


Fig: 2.



Witnesses:
Thos Tusch
J. Aderer.

Inventor:
Sam'l Manning
Per [Signature] Attorney

UNITED STATES PATENT OFFICE.

SAMUEL MANNING, OF SAN JOSÉ, CALIFORNIA.

IMPROVEMENT IN FINGERS FOR LIFTING LODGED GRAIN.

Specification forming part of Letters Patent No. 69,004, dated September 17, 1867.

To all whom it may concern:

Be it known that I, SAMUEL MANNING, of San José, Santa Clara county, in the State of California, have invented a new and useful attachment to be used on the common clipper or header for saving fallen or blown-down grain; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate like parts.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The clipper or header to which this machine is to be attached is of the ordinary kind, and the finger-board and bed-piece of the clipper to which my device is to be attached is shown in dotted lines in Fig. 1, and is that portion of the clipper or header on which the knife works.

My machine consists of a bar of iron about two feet long, one and a half inch wide, and of thickness sufficient to give strength, curved at the outer end, so that the point is about five inches above the horizontal of the main bar, and is represented by letter C. This bar is attached by means of a joint (represented by the letter D) to the finger-board or bed-piece of the clipper or header. This bar is also connected with the bed-piece of the header by means of a similar-sized bar, (represented by

the letter G,) which is attached to the point of bar C by an open link, (represented by the letter B.) The bar G is fastened to the bed-piece by bolts or screws.

Letter A represents a steel spring about one and a half inches wide, which is attached to the bar C at the point H, and of sufficient thickness to give strength and elasticity, and extends upward to a point nearly perpendicular above the knife, and nearly to the reel of the header, the object of said spring A being not only to raise the fallen grain so that the knife will cut it, but also to have sufficient elasticity to enable the reel to clear itself when the grain is very heavy or is foul from rank weeds.

In Fig. 1 the lines represent the position of the parts after the device has struck a stump or uneven surface, and it will be perceived that, by means of the joint D and the link B, which, it will be observed, has changed its position from a horizontal to an inclined one, the device is rendered perfectly yielding in order to pass over obstructions.

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

The spring A, bars C and G, with the joint D and link B, all arranged and applied to operate in the manner substantially as and for the purpose herein set forth.

SAML. MANNING.

Witnesses:

THOS. BODLEY,
E. J. MORTON.