

No. 816,614.

PATENTED APR. 3, 1906.

M. SMITH & J. P. PARTENHEIMER.  
HEAD FOR REAPER OR MOWER BLADES.

APPLICATION FILED OCT. 31, 1905.

Fig. 1.

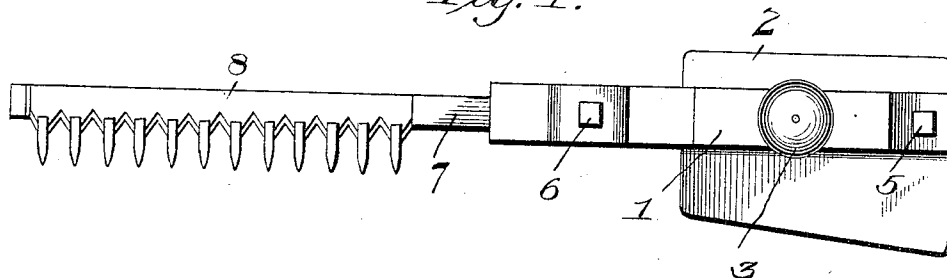


Fig. 2.

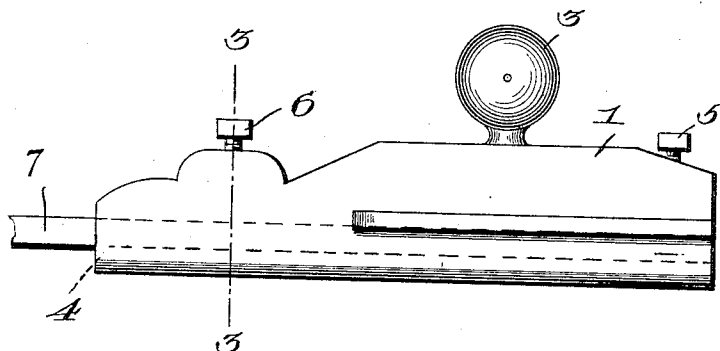
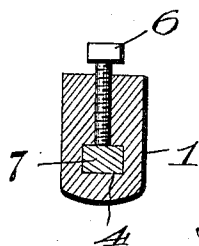


Fig. 3.



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# UNITED STATES PATENT OFFICE.

MADISON SMITH AND JOSEPH PHILLIPS PARTENHEIMER, OF PRINCETON,  
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## HEAD FOR REAPER OR MOWER BLADES.

No. 816,614.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed October 31, 1905. Serial No. 235,260.

*To all whom it may concern:*

Be it known that we, MADISON SMITH and JOSEPH PHILLIPS PARTENHEIMER, citizens of the United States, residing at Princeton, in the county of Gibson and State of Indiana, have invented new and useful Improvements in Heads for Reaper or Mower Blades, of which the following is a specification.

This invention relates to a head for reaper and mower blades; and the primary object of the same is to improve devices of this class by providing a head with a hollow member in which the shank of the reaper or mower blade may be readily inserted and secured, and in the event of breakage of the head the latter may be easily separated from the blade and replaced by another of similar construction without resorting to the tedious repair-work now commonly pursued in connection with the heads of reaper and mower blades as ordinarily constructed and used.

Another advantage of the present construction of head is that the blades may be centered with respect to the guards without removing the pitman.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter set forth.

Figure 1 is a plan view of a head embodying the features of the invention and showing the blades carried thereby. Fig. 2 is an edge elevation of the head and a portion of the shank carrying the blades. Fig. 3 is a transverse vertical section on the line 3 3 of Fig. 2.

Like reference-numerals indicate corresponding parts throughout the several views.

The numeral 1 indicates the improved head, having oppositely-projecting webs or plates 2 and a pitman connection 3 projecting from the upper edge thereof. Extending longitudinally through the head 1 is an angular bore or socket 4, and communicating with said bore are screw-openings located adjacent to the inner and outer extremities to receive adjusting-screws 5 and 6. Removably

fitted in the bore or socket 4 is a shank or bar 7, which carries the blades 8, as shown in Fig.

1. The shank or bar 7 is readily removable from or adjustable in the bore or socket 4 and is held in fixed position with respect to the head by the set-screws 5 and 6.

In the event of breakage or of unusual wear of the head the latter may be readily replaced without the delay incident to repairs now required in connection with ordinary heads.

The head 1 may be quickly separated from the shank 7 and the latter readily reset in a new head.

It is preferred to form the improved head of malleable metal in view of the superior wearing qualities and durability of such kind of metal. It will be observed that in the construction of the head all riveting or other disadvantageous means of securing separate parts together is avoided.

Having thus described the invention, what is claimed as new is—

A head of the class set forth having an integral construction and formed with a rectangular bore extending longitudinally through the lower portion thereof completely from end to end of the head, a blade-carrying shank rectangular in cross-section and inserted longitudinally and adjustably in the bore, and set-screws projecting downwardly from the top of the head and communicating with the bore in the lower portion of the latter to engage the shank, said set-screws being located adjacent to opposite ends of the head to provide a double fastening for the shank and permit the latter to be adjusted with respect to the head.

In testimony whereof we affix our signatures in presence of two witnesses.

MADISON SMITH.

JOSEPH PHILLIPS PARTENHEIMER.

Witnesses:

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