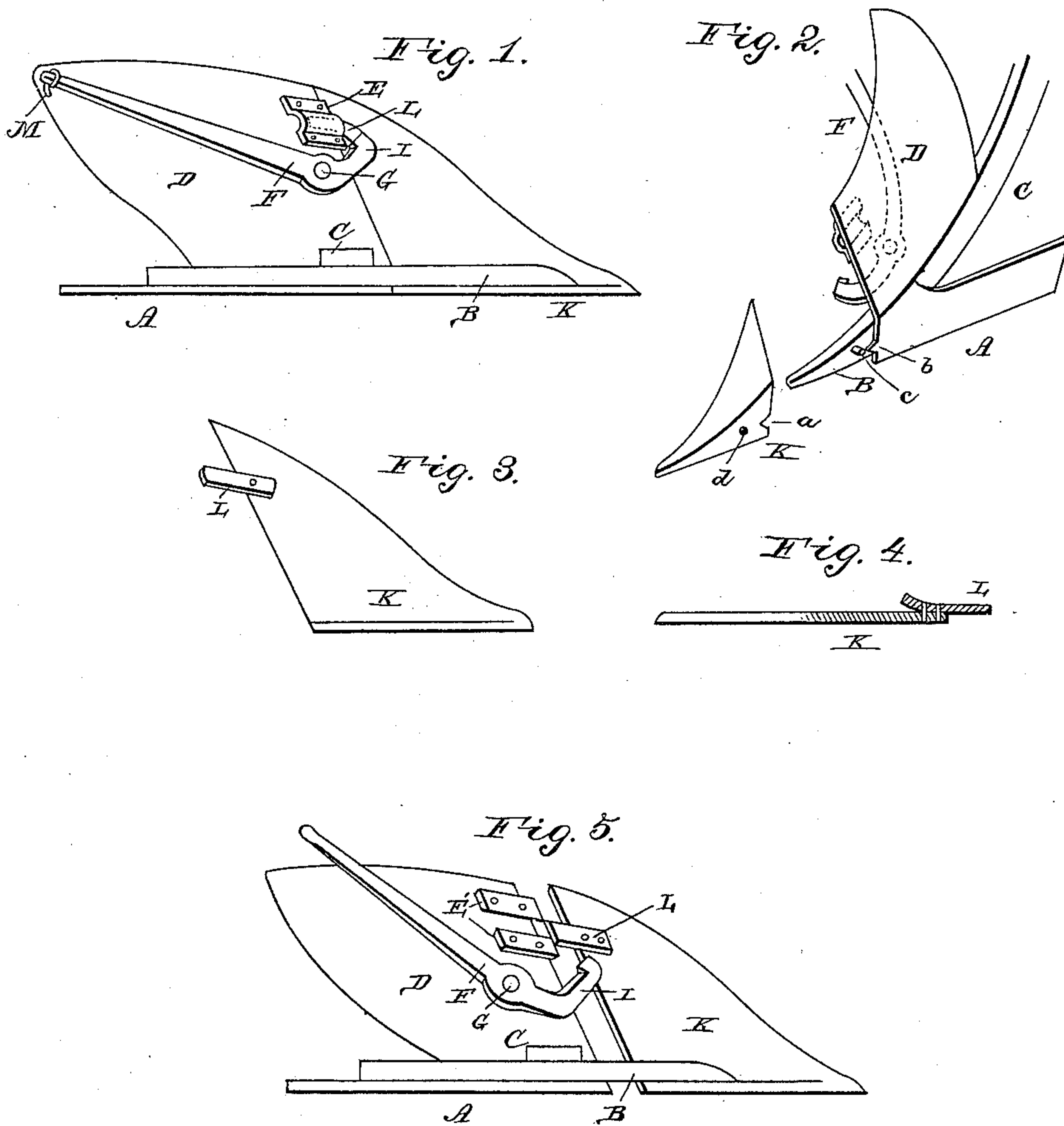


(No Model.)

R. S. HYER.
PLOW.

No. 430,027.

Patented June 10, 1890.



Witnesses

J. W. Garner
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Inventor.

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UNITED STATES PATENT OFFICE.

ROBERT STEWART HYER, OF GEORGETOWN, TEXAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 430,027, dated June 10, 1890.

Application filed October 10, 1889. Serial No. 326,563. (No model.)

To all whom it may concern:

Be it known that I, ROBERT STEWART HYER, of Georgetown, county of Williamson, State of Texas, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to an improvement in plow-points; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claim.

The object of my invention is to provide a plow-point which is adapted to be readily attached to and detached from a plow, and to provide means for securely holding the plow-point in position.

In the accompanying drawings, Figure 1 is a perspective view from the lower side of a plow provided with my improved point and fastening devices. Fig. 2 is a perspective view from the landside, showing the point detached. Fig. 3 is a detailed perspective view of the point. Fig. 4 is an edge view of the same. Fig. 5 is a perspective view of the modified form of my invention.

The landside-plate A is provided on its inner side with a sole-flange, which has a forward extending arm B, that projects a considerable distance forward from the landside-plate. The standard C and the mold-board D are of the usual or any suitable construction. At the front edge of the mold-board, near its lower side, is secured a loop or keeper E. A lever F is pivoted on a bolt G on the inner side of the mold-board and has a short arm I, arranged at nearly right angles and adapted to project forward beyond the front edge of the mold-board. The plow-point K, which is of the form shown, is adapted to fit against the front edge of the mold-board and to bear snugly on the upper and outer sides of the projecting arm B of the landside-plate. At the rear side of the point is a V-shaped recess a, which receives a similarly-shaped spur b, that projects from the landside, and a pin

or stud c projects laterally from the outer side of arm B and enters an opening d in the point. Near the rear inner corner of the point, on the lower side of the same, is a detent wedge-shaped tongue L, which extends rearward from the point, and is adapted to enter the loop or keeper, and thereby secure the point to the mold-board with its surfaces flush with the surfaces of the mold-board. When in this position, the lever F is operated to cause its short arm to lap over the joint between the point and the mold-board and to bear against the front end of the detent-tongue and to cause the outer side of the point to be pressed against the arm B, thereby effectually locking the point to the front edge of the mold-board, as will be apparent, and bracing the same against lateral strain. A hook M is pivoted under the rear corner of the mold-board, and may be turned so as to engage the outer end of the lever, as shown in Fig. 1, thereby maintaining the lever in its locking position and preventing the point from becoming detached when in use.

In the modified form of my invention shown in Fig. 5 the sides of the detent-tongue are dovetailed, and the keeper is composed of a pair of parallel plates E', having their opposing edges dovetailed to receive the tongue.

Having thus described my invention, I claim—

In a plow, the combination of the share having the keeper on the mold-board and the arm B, the detachable point bearing against the outer side of the arm and having the tongue engaging the keeper, and the lever F, fulcrumed to the mold-board at a point between the keeper and landside, and having the short arm I, adapted to lap the joint between the point and mold-board and to engage the outer end of the tongue to lock the latter in the keeper, for the purpose set forth, substantially as described.

In testimony that I claim the foregoing I append my signature.

ROBERT STEWART HYER.

Witnesses:

W. T. JONES,
JESSE STEELE.