

MARTIN KENNEDY.
 Combined Plow and Stock for Cultivators.
 No. 119,618. Patented Oct. 3, 1871.

Fig 1.

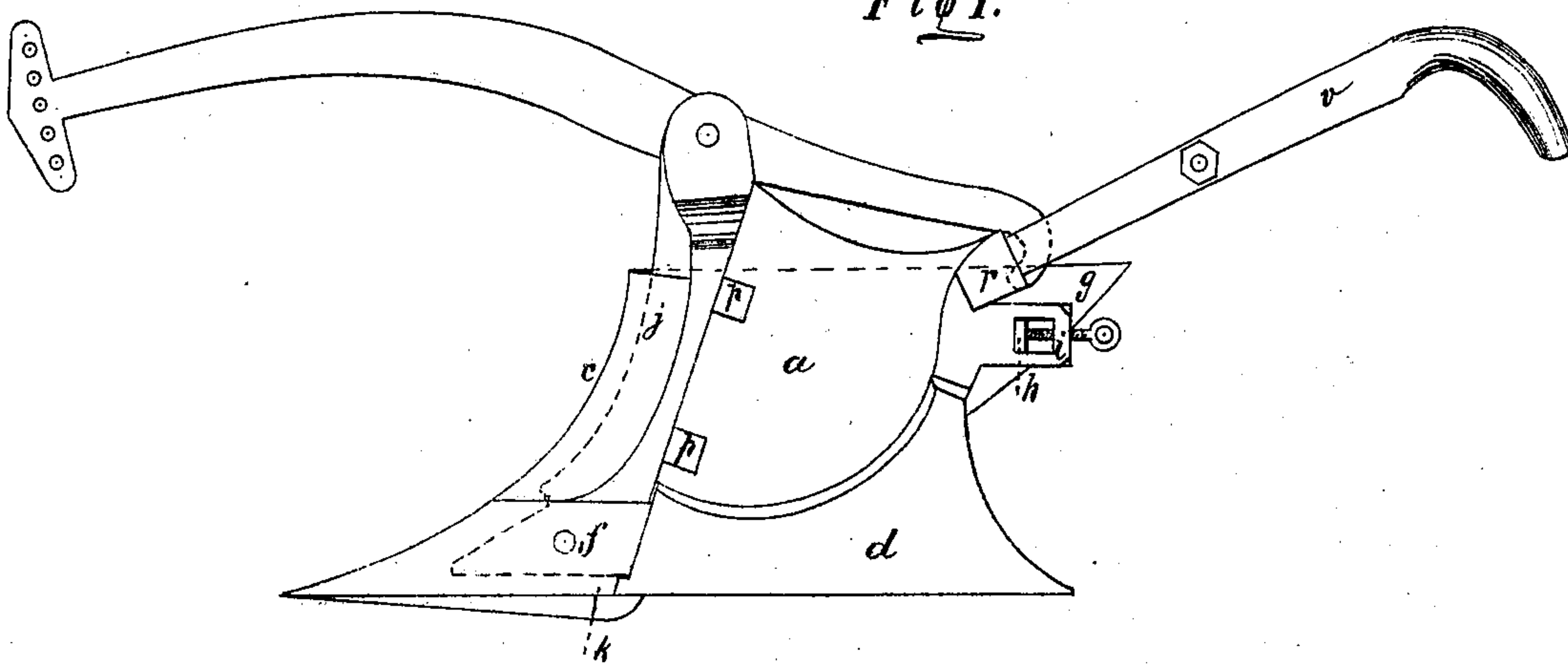


Fig 2.

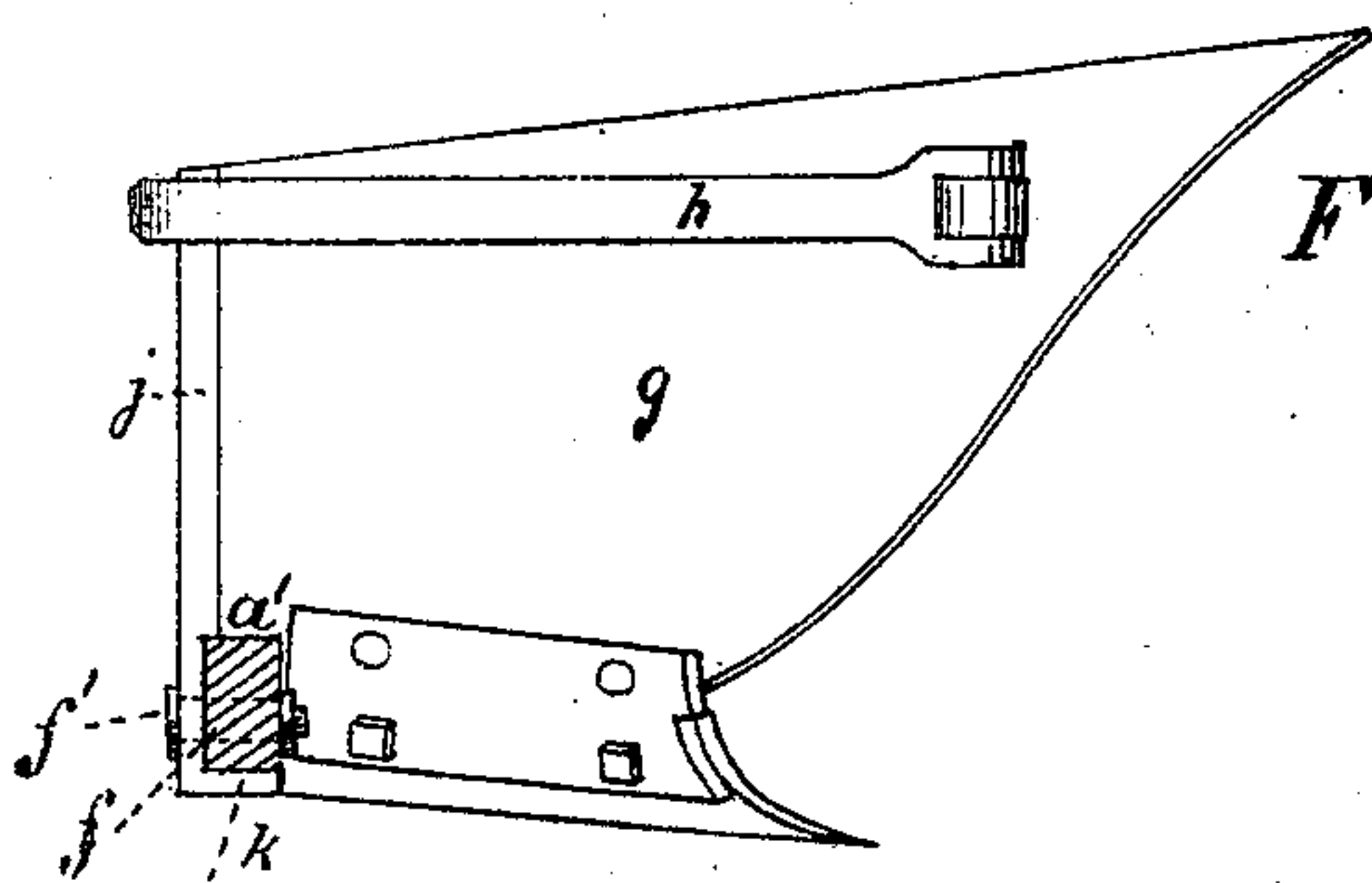


Fig 3.

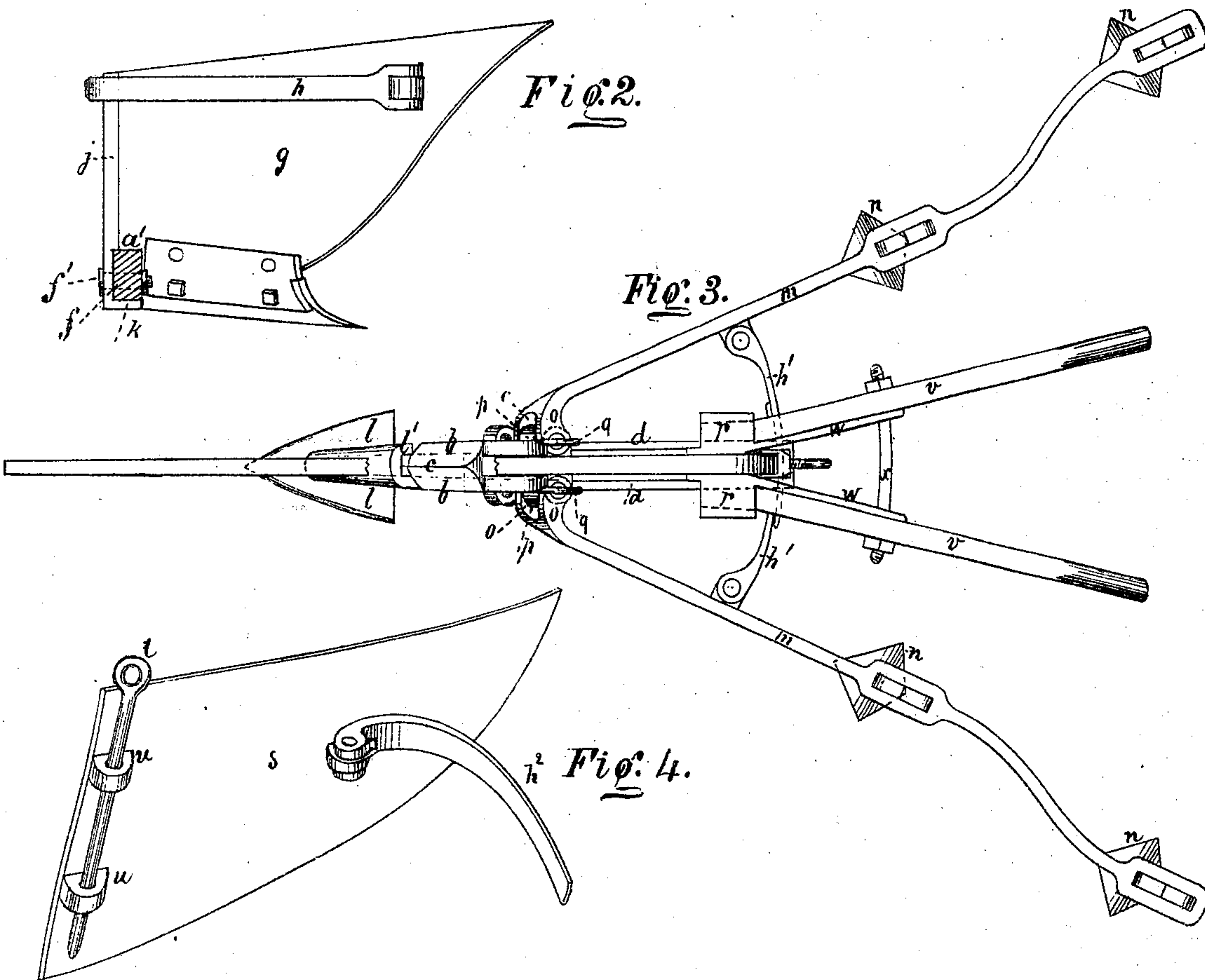
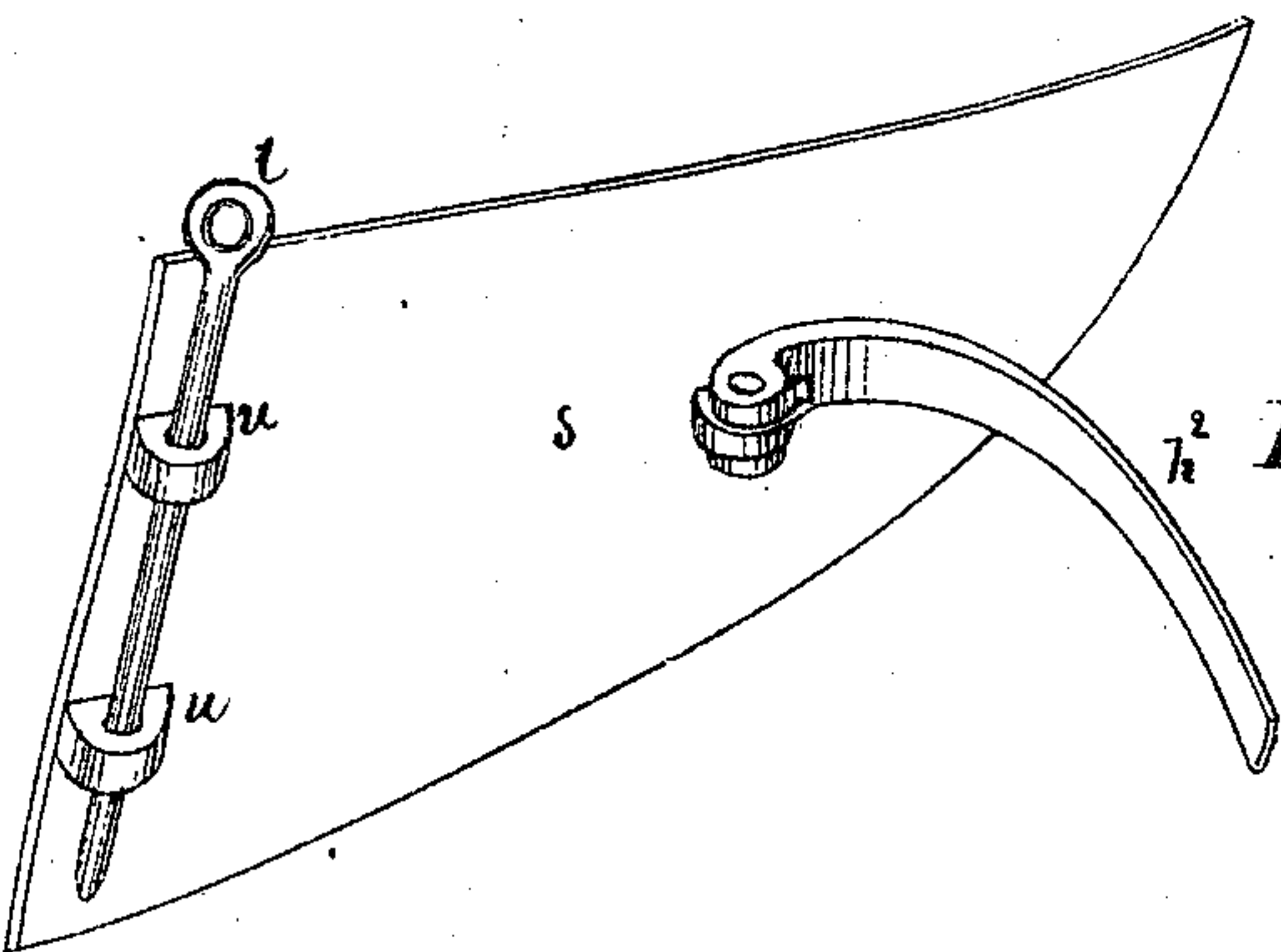


Fig 4.



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UNITED STATES PATENT OFFICE.

MARTIN KENNEDY, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN COMBINED PLOW AND STOCK FOR CULTIVATORS.

Specification forming part of Letters Patent No. 119,618, dated October 3, 1871.

To all whom it may concern:

Be it known that I, MARTIN KENNEDY, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Combined Plow and Stock for Cultivators, of which the following is a specification:

Figure 1 is an elevation of the stock and plow, looking toward the land-side. Fig. 2 is a side elevation of the mold-board. Fig. 3 is a top view of the stock and cultivator, and Fig. 4 is a perspective view of one of the mold-boards that form the double plow.

This invention relates principally to a stock so constructed as to receive different implements, such as a share and mold-board for a single plow; two mold-boards, one on each side, both constituting a double plow; two beams armed with shovels, and constituting a cultivator; and a point, to be used when the double mold-board and cultivators are employed.

Referring to the drawing, the stock, Figures 1 and 3, is seen to consist of a solid plate, *a*, having cast with it at its front edge a double flange, *b*, the same being chamfered at each side so as to form a sharp ridge, *c*. A land-side, *d*, is permanently bolted to the plate *a*. At one side of the stock an angular space is formed between the front end of the land-side *d* and the lower end of the double flange *b*, into which space fits the land-side *f* of the single mold-board *g*, Figs. 1 and 2, when said mold-board is fastened to the stock *a*, which is done by passing a bolt, *f'*, through the land-side *f* and through the point *a'* of the stock *a*, by the side of which point said land-side fits. This fastening is aided by passing the brace *h* of the mold-board *g* through the socket *i* at the rear end of the stock *a*, and also by means of a flange, *j*, cast upon the front end of the mold-board *g*, and standing off therefrom at such an angle as fits the chamfered sides of the flange *b*. The land-side *f* of the mold-board *g* coincides with the land-side *d*, and the outer straight side of the flange *j* is flush with the adjacent straight side of the flange *b*. The land-side *f* has a sole, *k*, cast with it, which fits under the point *a'* and in that position is flush with the bottom of the land-side *d*. When the mold-board *g* is attached by these various means to the stock *a* it forms therewith a good and practicable single plow.

When the mold-board *g* is removed from the stock *a* a point, *l*, with a flat bottom and a socket, *l'*, is attached to the point *a'* by means of a bolt, the point *a'* entering the socket *l'*, as shown in Fig. 3. The bottom of the point *l* is flush with that of the land-side *d*. If it is desired to make up a cultivator, add the beams *m*, Fig. 3. These beams are provided with shovels *n*, and at their inner ends they have forks *o*, one above the other, with holes made through them vertically. These forks are slipped over lugs *p*, which have holes made through them. Pins *q*, passed through both the forks and lugs, connect the beams *m* with the stock *a*. The beams *m* are provided with braces *h'*, similar in construction and operation to the braces *h*. There is a pair of the lugs *p* on each side of the stock *a*, and when it is desired to make up a double plow two single mold-boards, *s*, Fig. 4, are attached to the stock by means of bolts *t* passed through lugs *u* projecting from the inner sides of the mold-boards *s*, and also through the lugs *p*. Braces *h''*, passed through the socket *i*, aid the lugs *p* *u* in holding the mold-boards *s* in place. Cast with the stock *a*, and standing out from each side thereof just above the socket *i*, are two sockets, *r*, which receive the ends of the handles *v*. From the inner sides of the sockets *r* bars *w* extend upward, inclining backward, and flaring outward to the same degree as the handles, for which these bars serve as supports, the handles being fastened to them by a bolt, *x*, having nuts at its ends and passing through both handles and bars.

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

1. The stock *a*, constructed with the double chamfered flange *b*, point *a'*, sockets *r*, and lugs *p*, whereby it is adapted for the attachment of various implements necessary to the performance of different functions, as shown and described.

2. In combination with the stock *A*, provided with the double chamfered flange *b* or beveled ridge *c*, the mold-board *g*, provided with the corresponding flange *j*, as specified.

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Witnesses:

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