

No. 677,184.

Patented June 25, 1901.

S. K. DENNIS.

COMBINED CLIP AND CHAFING PLATE FOR MOWING MACHINE FINGER BARS.

(Application filed Feb. 23, 1901.)

(No Model.)

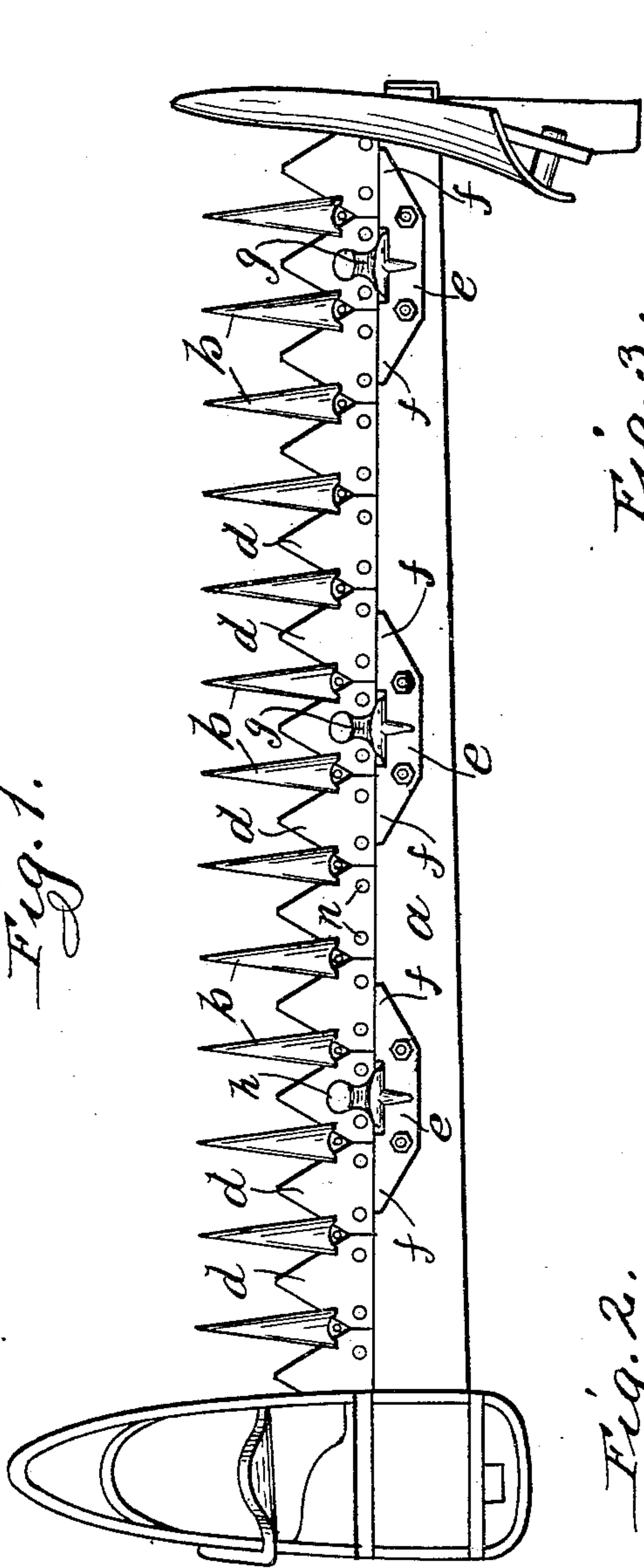


Fig. 1.

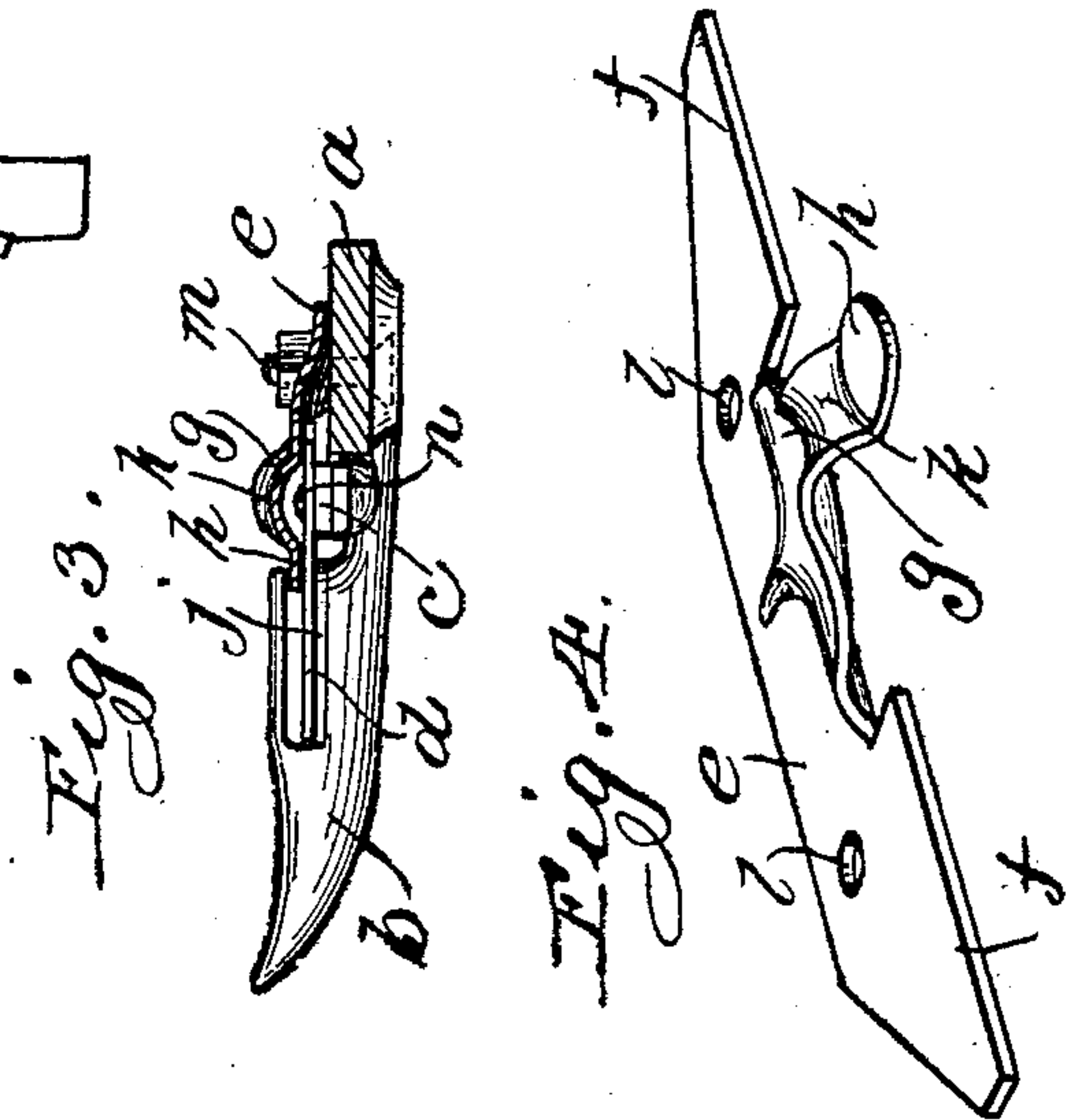


Fig. 3.

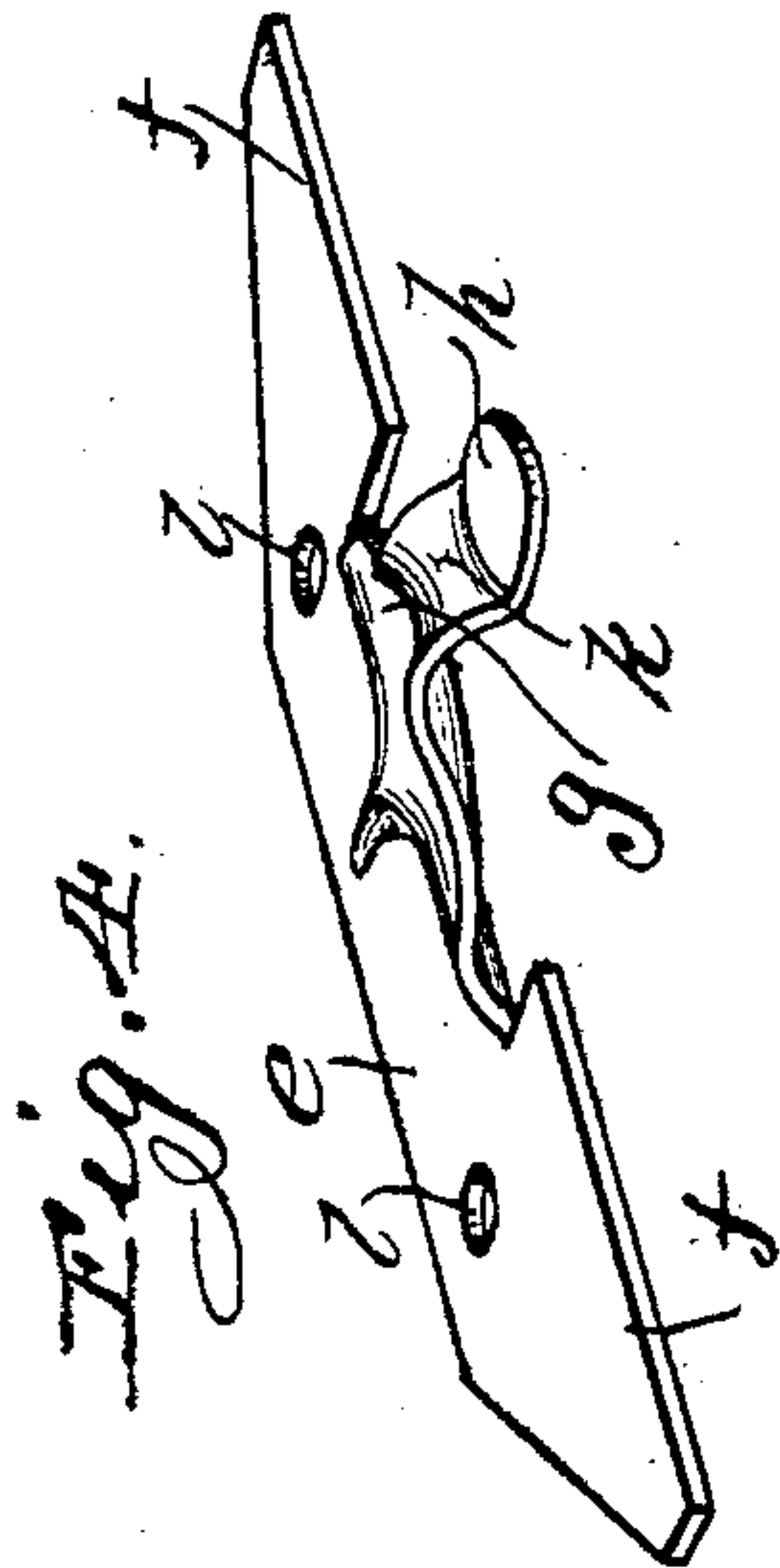
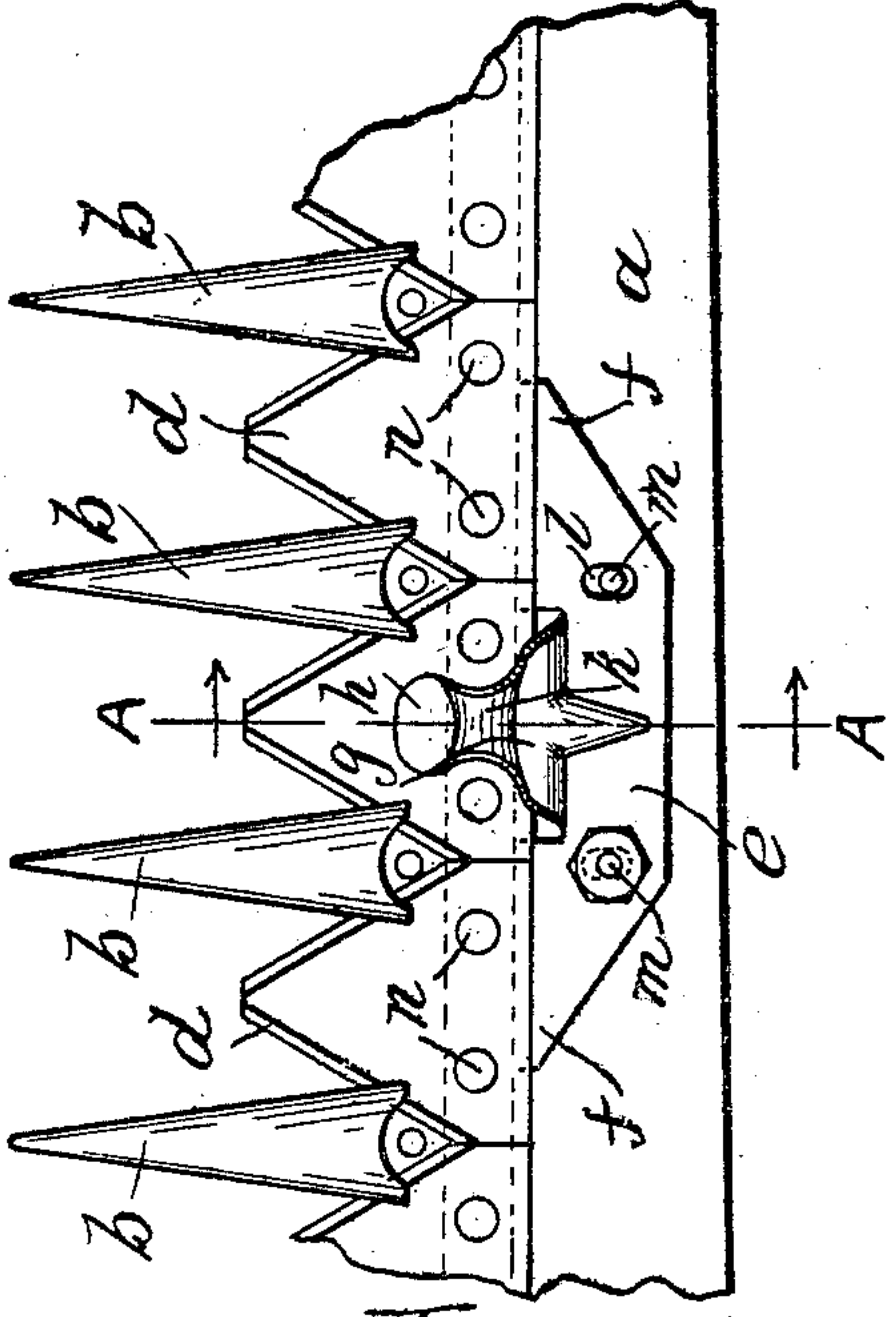


Fig. 4.

Fig. 2.



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UNITED STATES PATENT - OFFICE.

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COMBINED CLIP AND CHAFING-PLATE FOR MOWING-MACHINE FINGER-BARS.

SPECIFICATION forming part of Letters Patent No. 677,184, dated June 25, 1901.

Application filed February 23, 1901. Serial No. 48,432. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL K. DENNIS, a resident of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Combined Clip and Chafing-Plate for Mowing-Machine Finger-Bars, of which the following is a specification.

My invention relates to the mechanism employed for holding the sickle of a mowing-machine in place and also for furnishing a bearing upon which the sickle reciprocates.

To illustrate my invention, I annex hereto a sheet of drawings, in which the same reference characters are used to designate identical parts in all the figures, of which—

Figure 1 is a plan view of the finger-bar. Fig. 2 is an enlarged view of a portion of the finger-bar. Fig. 3 is a sectional view on the line A A of Fig. 2, and Fig. 4 is a detached perspective view of the combined clip and chafing-plate detached from the finger-bar.

The finger-bar *a* is of the customary construction and has the customary finger *b* bolted to the under side thereof. The sickle-bar *c* has the blades *d* secured thereto in the customary manner; but instead of having the bearing edge formed by the under side of the heels of the blades *d* reciprocating upon the edge of the finger-bar I employ the chafing-plate and clip *e*, which has the long hardened bearing edges *f*, on the upper surface of which the bearing edge of the sickle reciprocates. This chafing-plate and clip is preferably stamped up from sheet metal and hardened to any degree required, so that the wear on the edges *f* will be inappreciable. The clip portion *g* is raised from the body of the plate, as seen, and consists of the head *h*, resting on the upper surface of the sickle-blades *d* to hold them down, so that they will shear closely

with the ledger-plates *j* in the fingers *d*. The head *h* is connected with the body of the clip portion by the neck *k*, which has its under surface concave from front to rear and convex from side to side, so as to prevent the grass or any other material from clogging between the clip and the sickle. The plate *e* has the slightly-elongated apertures *l* therein, through which the bolts *m* pass to secure it to the finger-bar, the bolts *m* also passing through the fingers *b* to clamp them to the bar *a*. By means of these elongated apertures *l* the chafing-plate can be adjusted to any desired position relative to the edge of the finger-bar, and at the same time the clip portion is also simultaneously adjusted, so that the parts will necessarily be in their proper relative position. The heads of the rivets *n*, which connect the sickle-blades to the sickle-bar, have space to move beneath the neck *k* and serve to clear out any grass, &c., that might tend to accumulate between the clip and the sickle-bar.

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

As a new article of manufacture, a combined chafing-plate and clip for mowing-machine finger-bars, consisting of the body portion having the hardened bearing edges, and the clip portion raised above said body and having the head connected to the body portion by the neck, the under surface of which is concave from front to rear and convex from side to side.

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