

Charles M O'Hare

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117105

# Hand Corn Shellers

Fig. 1

PATENTED JUL 18 1871

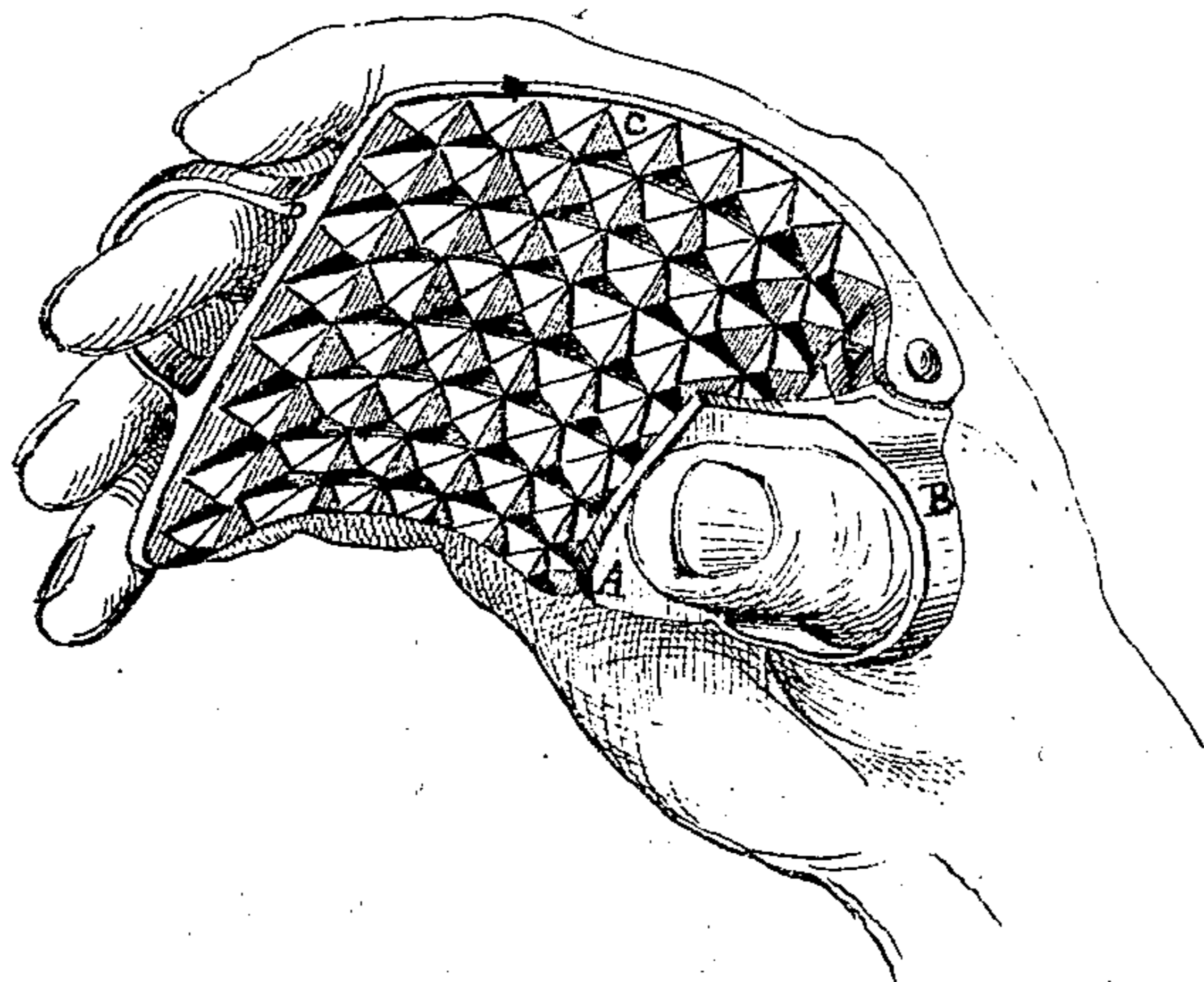
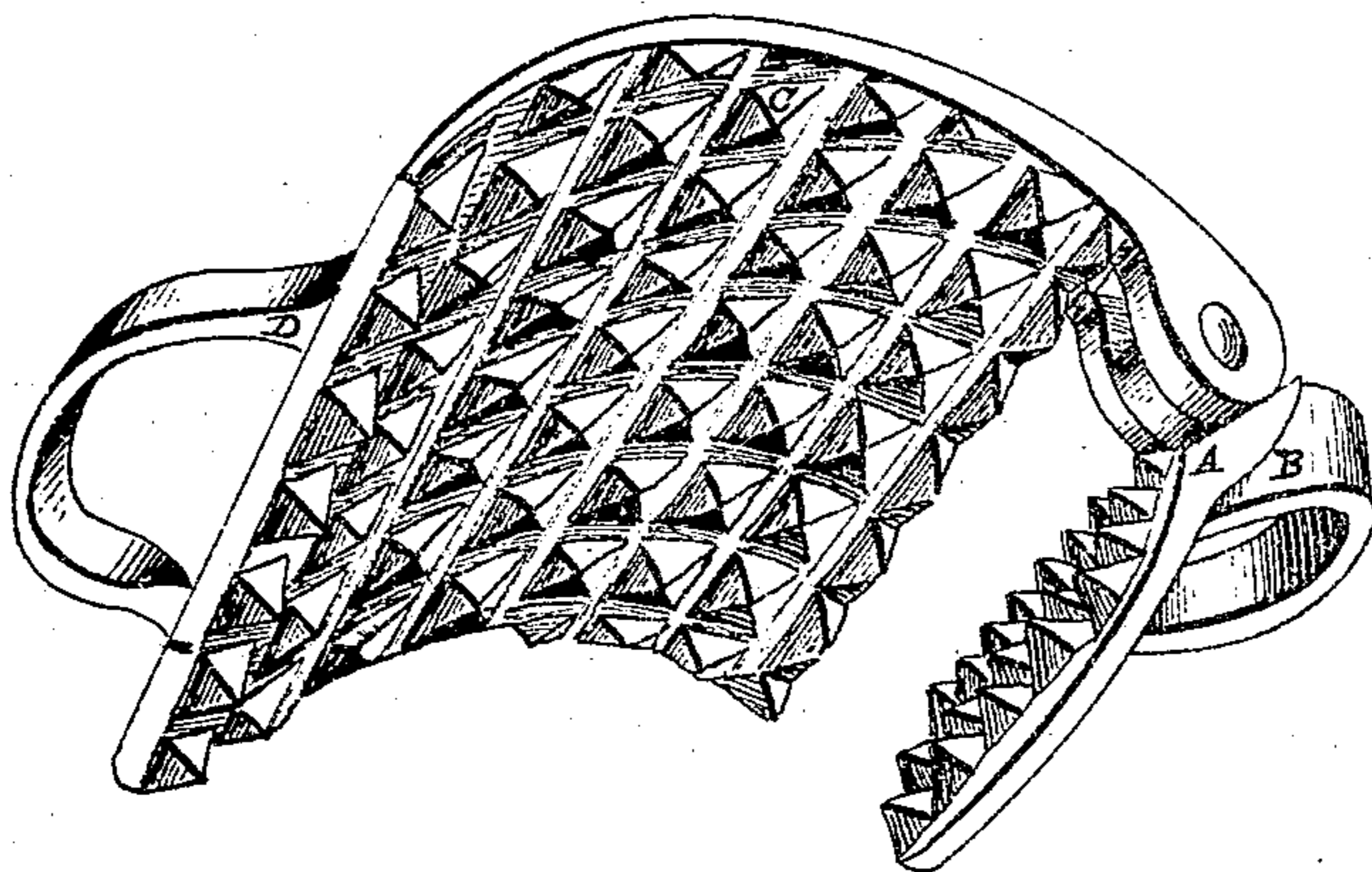


Fig. 2



Attest

*Ben W. Panton  
& M. Laughlin*

Inventor

*Charles M. O'Hare*

# UNITED STATES PATENT OFFICE.

CHARLES MELSOM O'HARA, OF CINCINNATI, OHIO.

## IMPROVEMENT IN HAND CORN-SHELLERS.

Specification forming part of Letters Patent No. 117,105, dated July 18, 1871.

*To all whom it may concern:*

Be it known that I, CHARLES MELSOM O'HARA, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in the Hand Corn-Sheller patented by me, November 23, 1869, and May 2, 1871; and I hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The improvement is in the substitution for the plates of equal width and length hitherto employed of plates of unequal width and length, and in the substitution for the leather straps or loops hitherto employed of metal loops cast on the plates, thereby greatly cheapening the cost of manufacture and making it more convenient and durable.

Hitherto hand corn-shellors have been made with plates of equal width. This is open to serious objections: if three are used, the same expenditure of strength is required to close the outer plate and clasp the corn sufficiently tight as to close the inner one, which is clasped by the thumbs, and many persons have not the requisite strength in their fingers. If two plates of equal width are used and sufficient concavity is given to hold a large ear of corn, they will not come close enough together to shell a small one. Again, the leather loops heretofore used are expensive, both in themselves and in the labor and rivets required to put them on, and they are not sufficiently durable to stand exposure to the weather to which they are often subjected.

To obviate these serious objections is the ob-

ject of my invention, which consists of a hand corn-sheller provided with one short narrow corrugated plate with metal loop attached, and one longer and wider concave corrugated plate with metal loop attached, hinged together.

In the drawing, A is the metal thumb-plate, and B the accompanying metal loop in which to place the thumb. C is the metal finger-plate with its accompanying metal loop D, in which the middle finger is placed.

By this construction—*i. e.*, the unequal width of the plates in which the finger-plate C is the widest—a support or re-enforce is afforded for the fingers, against which the thumb may exert greater force with less fatigue to the hand; and by this same arrangement a provision is made for shelling the smallest ear of pop-corn as well as the largest ear of Indian corn. Again, by reducing the length of the thumb-plate A, the strain, by reason of length of leverage on the hinge, is lessened, and only one hinge is made necessary, thus greatly reducing the cost of putting together.

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

The improved hand corn-sheller herein described, consisting of the thumb-plate A and curved finger-plate C hinged together as shown, and provided with metallic loops B D outside, and shelling corrugations on their inner surfaces, as and for the purpose specified.

CHAS. MELSOM O'HARA.

Witnesses:

B. W. BRITTOR,  
J. McLAUGHLIN.