

No. 740,657.

PATENTED OCT. 6, 1903.

A. C. HURRELL.
CORN SHELLING IMPLEMENT.
APPLICATION FILED MAY 8, 1901.

NO MODEL.

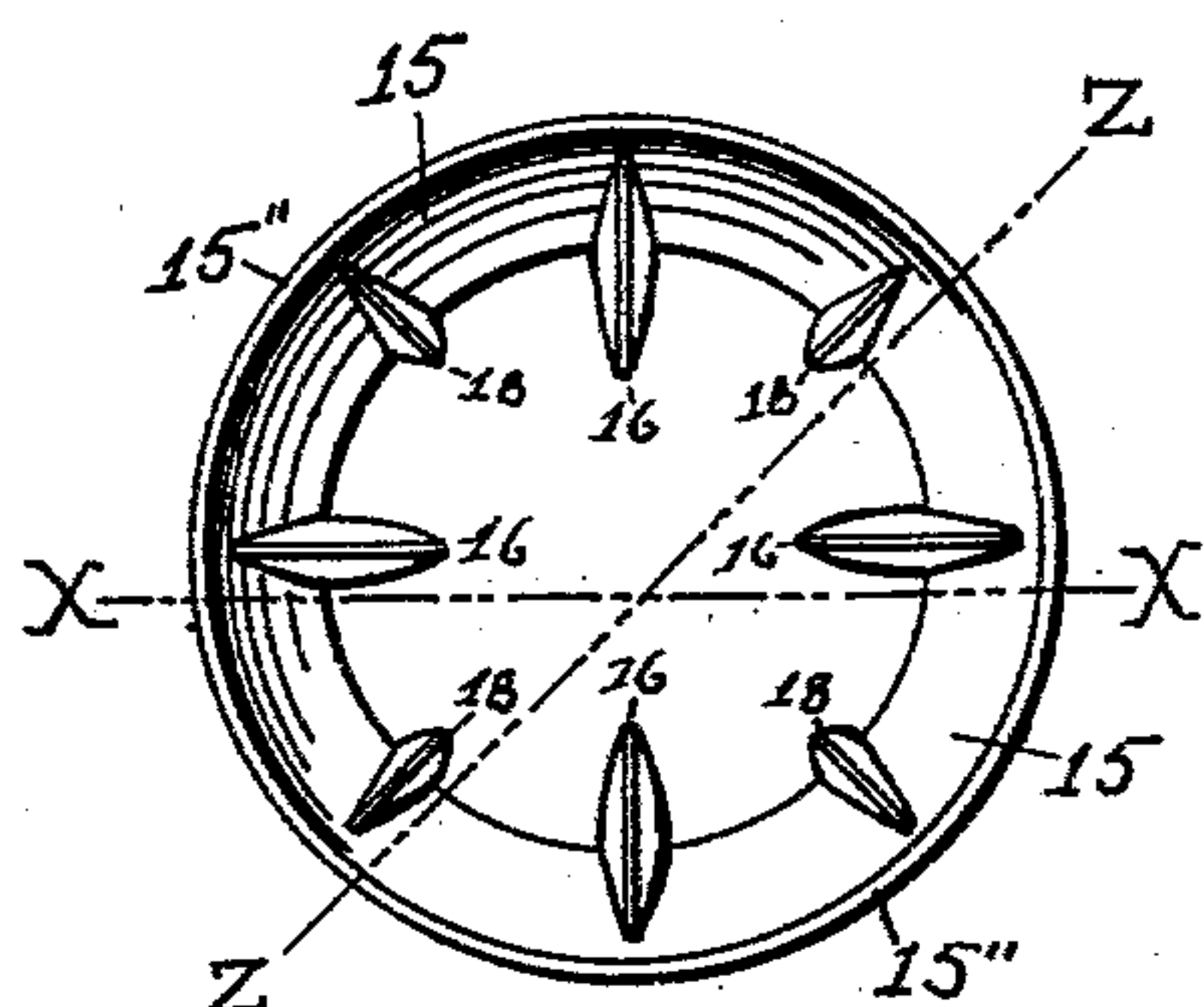


Fig. 1.

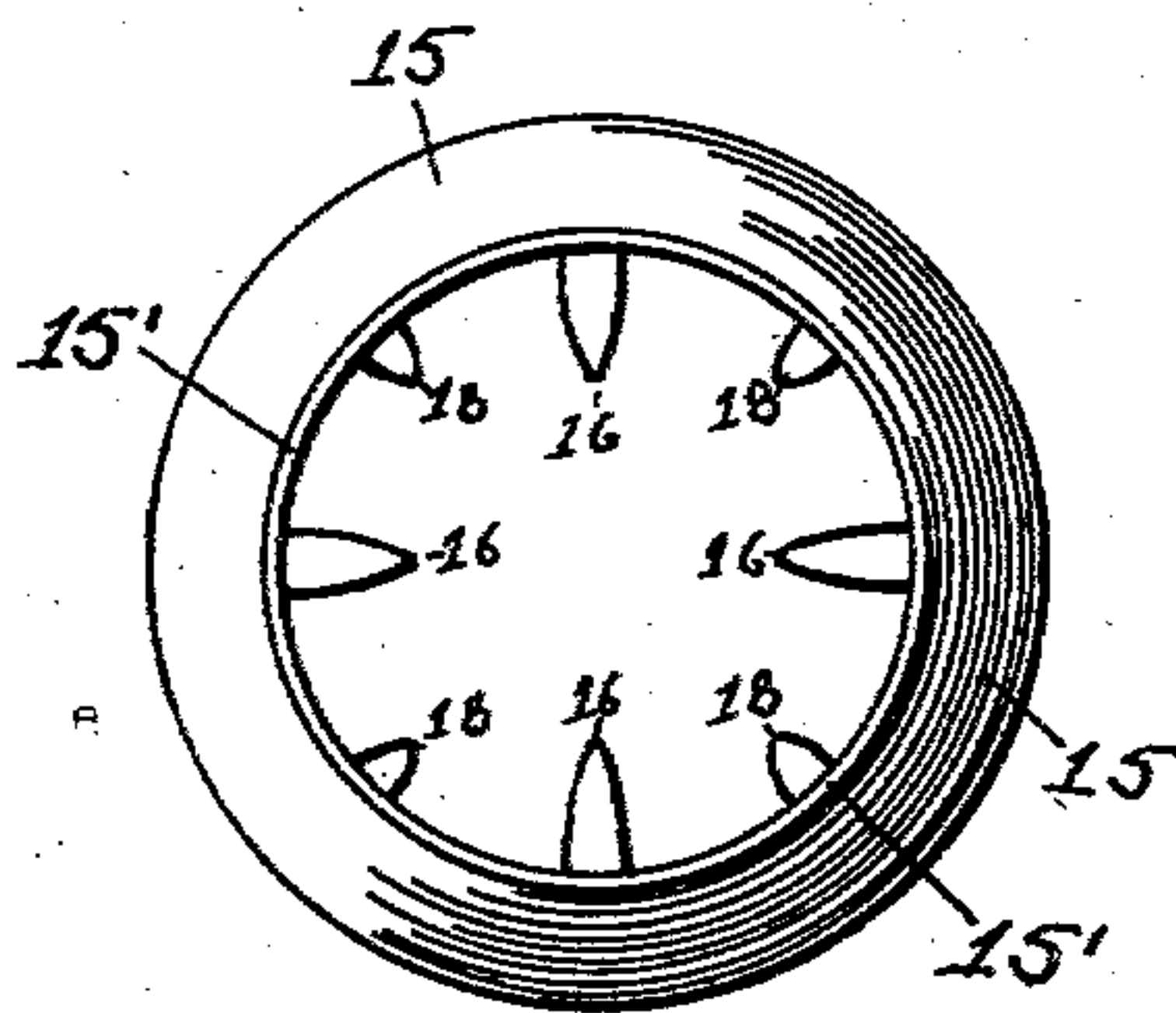


Fig. 2.

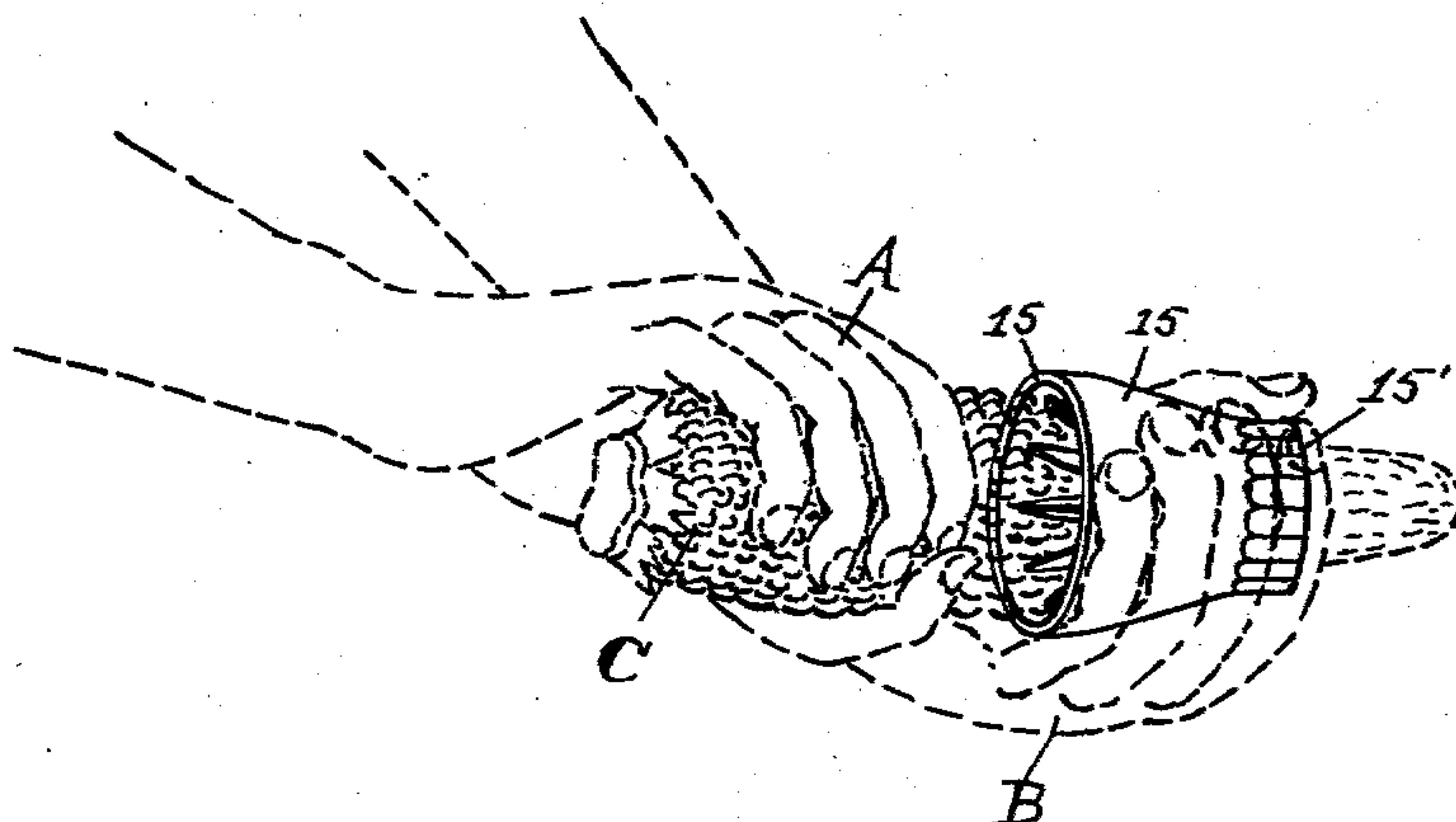


Fig. 3.

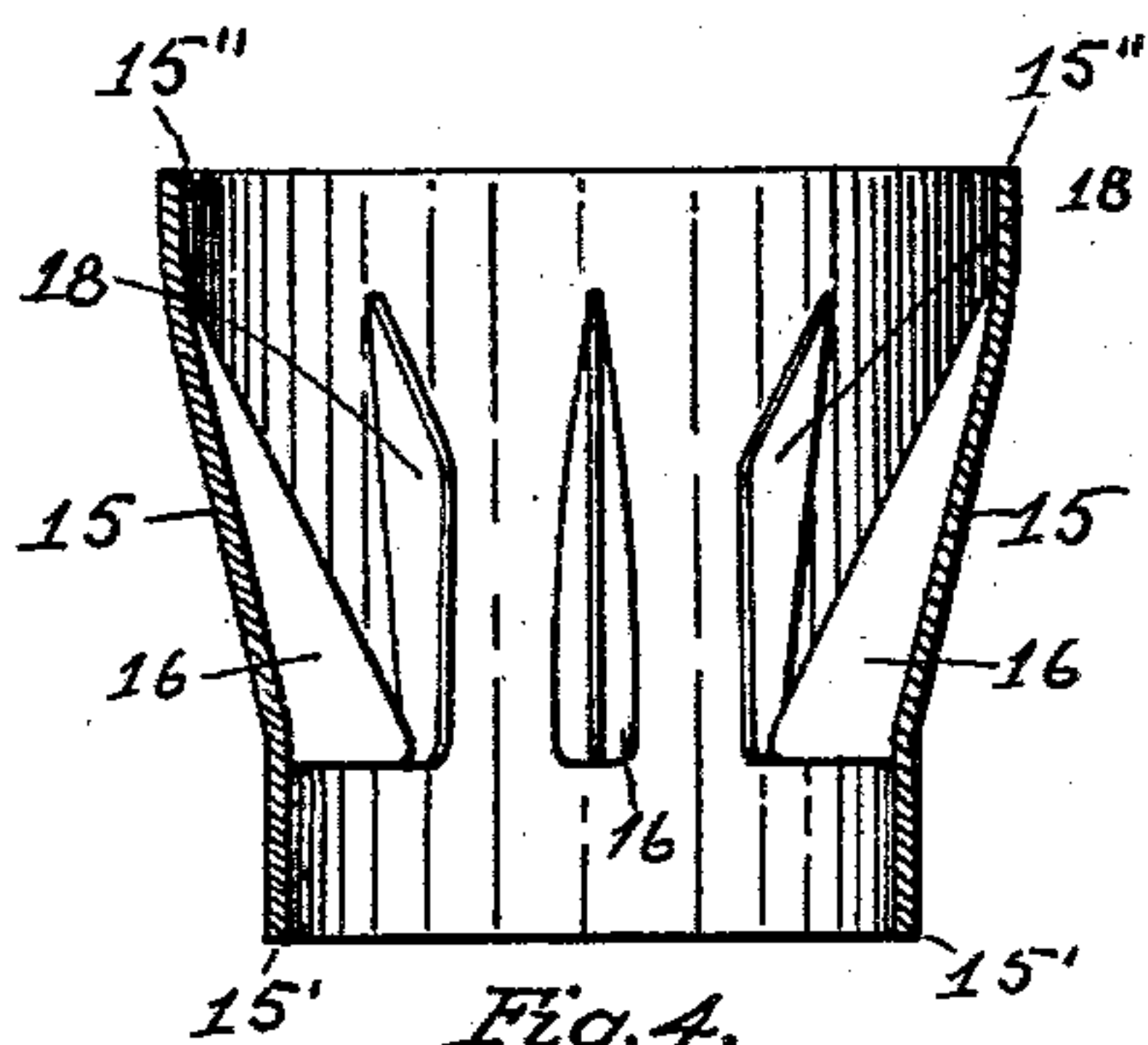


Fig. 4.

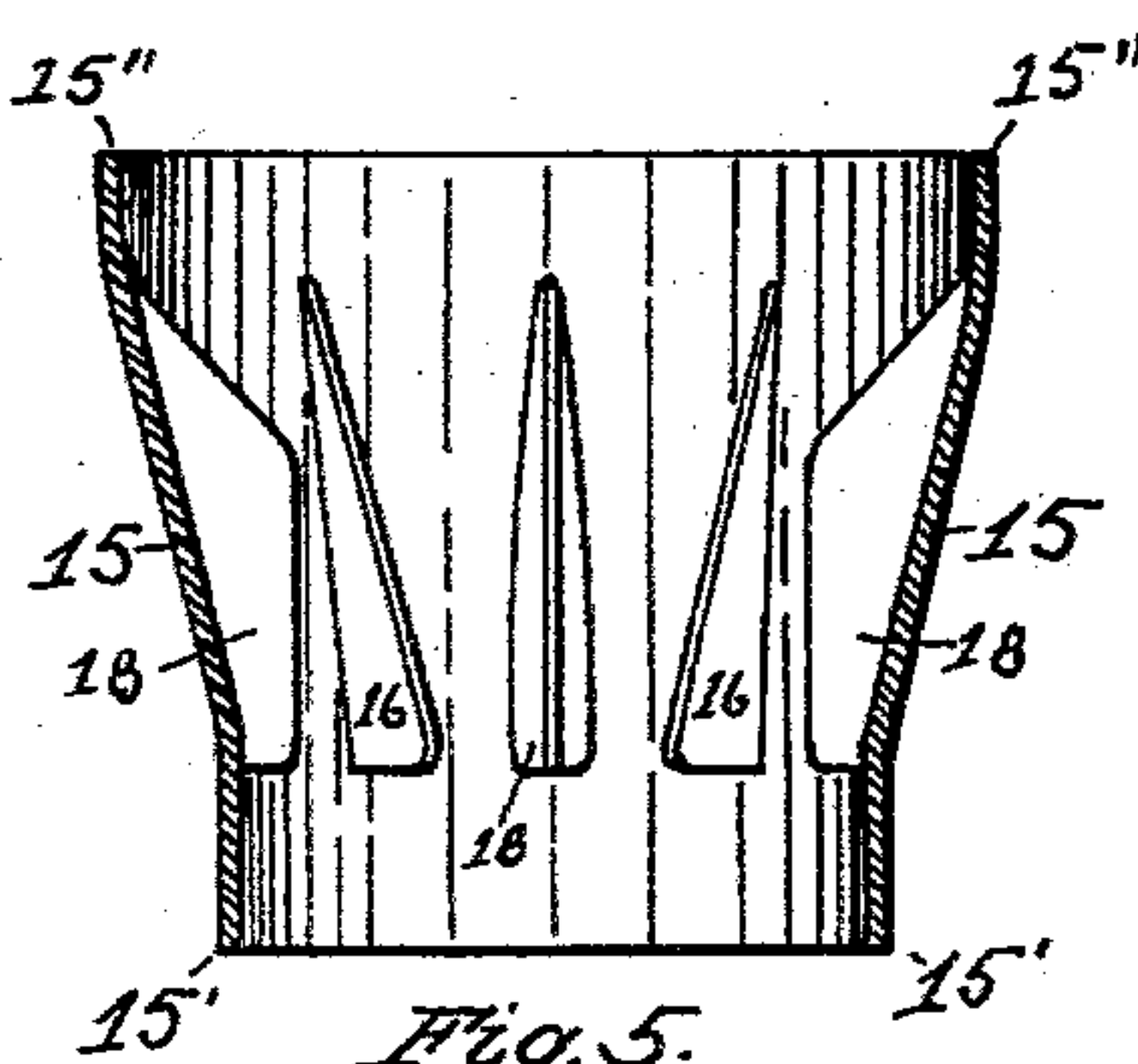


Fig. 5.

Witnesses:

Samuel G. Dunsell

R. G. Randle

Inventor:

ALBERT C. HURRELL,

by his attorney,

Robert W. Randle

UNITED STATES PATENT OFFICE.

ALBERT C. HURRELL, OF RICHMOND, INDIANA.

CORN-SHELLING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 740,657, dated October 6, 1903.

Application filed May 8, 1901. Serial No. 59,300. (No model.)

To all whom it may concern:

Be it known that I, ALBERT C. HURRELL, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Corn-Shelling Implement, of which the following is a specification.

My invention relates to improvements in corn-shellers adapted to be used by hand for shelling pop-corn, chicken-corn, seed-corn, and the like; and the object of my invention is to provide a device of the class specified for shelling pop-corn, chicken-corn, seed-corn, and the like and for various purposes for which it may be found convenient.

Another object is to provide a device by the use of which ears of corn of various shapes and sizes may easily and quickly be shelled by the hands of the operator, and, finally, still another object is to provide a new article of manufacture in a hand corn-sheller which will be neat and attractive in appearance and which can be manufactured and sold at a very low price.

I attain these and other objects not specifically mentioned by the arrangement and combination of parts as shown in the accompanying drawings, in which—

Figure 1 is a vertical view of the large end of my entire device. Fig. 2 is a vertical view of the small end of my entire device. Fig. 3 is a perspective view of my device, showing the manner in which it should be grasped and held in the hands of the person using it in order to obtain the best results. Fig. 4 is a longitudinal sectional view of my device, taken on the line X X of Fig. 1; and Fig. 5 is a longitudinal sectional view of my device, taken on the line Z Z of Fig. 1.

Similar letters and figures of reference denote and refer to like parts throughout the several views.

The main body of my device consists of a thin hollow tapering cylindrical mouth portion, (designated in the drawings by the numeral 15,) to which the other members are permanently attached and which merges into the cylindrical end of body portions 15', thus forming a single piece of material substantially of the form and proportions shown in the drawings.

The numeral 16 denotes four permanent ribs which longitudinally are of a triangular polygon shape and laterally are of a U or V shape, substantially as shown, placed longitudinally around the inner face of the member 15 at equal distances apart and having their greatest widths located adjacent the cylindrical end or body portions 15' and occupying substantially five-eighths of the distance longitudinally from one end of the device to the other.

The numeral 18 denotes four permanent ribs which longitudinally are of quadrilateral polygon shape and laterally are of a U or V shape, substantially as shown, placed longitudinally around the inner face of the member 15 at equal distances apart, occupying substantially five-eighths of the distance longitudinally from one end of the device to the other. These ribs are placed at equal distances from each other and alternately between the ribs 16 and having their greatest widths located adjacent the points or narrowest portions of the ribs 16, substantially as shown in the drawings.

The ribs 16 and 18 furnish a rough or uneven surface around the opening through 15 for the purpose of shelling the grains of corn from the cob when the corn is revolvably brought into contact therewith, the ribs 18 by their arrangement forming abrupt abutments or shellers, whereby the corn will be loosened and afterward removed from the cob by the ribs 16.

At first I provided simply the four ribs 16; but I find by actual practice that I can get better results by employing the auxiliary ribs 18, placed alternately between the ribs 16, as shown in the drawings.

In operation my device is grasped in the left hand B, as shown in Fig. 3, and an ear of corn C is taken in the right hand A. The point of the ear of corn is then inserted in the large end 15' of my device. An oscillating motion is then imparted to the ear of corn C by the hand A, which will cause the grains of corn to be shelled from the cob by the ribs in my device, the bare cob passing out through the small end or body portion 15' of my device. When the ear of corn has passed into my device so far that it cannot be further

held by the hand A, I remove the ear from my device and reverse the ear, grasping the bare cob by the hand A and proceeding as before stated.

5 It is now apparent that my device is very simple in its construction and operation, but very effective in its work, saving any wear and tear of the hands of the operator, besides furnishing a very rapid means for shell-
10 ing corn.

From the foregoing description, taken in connection with the drawings, the operation of my invention will be readily understood, and its many advantages will be fully appre-
15 ciated, and I will simply state that the device by reason of its simplicity, attractiveness, and ease and efficiency of operation will prove a useful and practical device, as I have fully demonstrated to my entire satisfaction.

20 My improvements herein shown and described are perfectly adapted to accomplish the results for which it is intended; but it is evident that changes in and modifications of the construction and form herein shown and
25 described may be made and that analogous parts may be used to accomplish the same results without departing from the spirit of my invention or sacrificing any of its many advantages.

30 Having shown and described the best construction of my invention to me known at this time, what I claim as new, and desire to

secure by Letters Patent of the United States, is—

1. A hand corn-sheller comprising a hollow 35 tapered mouth portion merging into a cylindrical end or body portion, and ribs permanently attached to the interior of the mouth portion and having their inner ends terminating at the inner end thereof, said ribs va- 40 rying in contour, certain of which are broadest at points adjacent their outer ends and the remaining ribs being broadest at their inner ends, substantially as and for the purpose specified. 45

2. A hand corn-sheller comprising a body 45 portion, a tapered mouth portion formed integral therewith and two series of alternately-arranged ribs permanently attached with the interior of the said mouth portion, the one 50 series gradually increasing in breadth from their outer to their inner ends, and the other series having their widest portions arranged adjacent their outer ends, and tapering there- 55 from toward each end thereof.

In testimony whereof I have signed my name to this specification in the presence of three subscribing witnesses.

ALBERT C. HURRELL.

Witnesses:

Mrs. A. C. HURRELL,
R. W. RANDLE,
R. E. RANDLE.