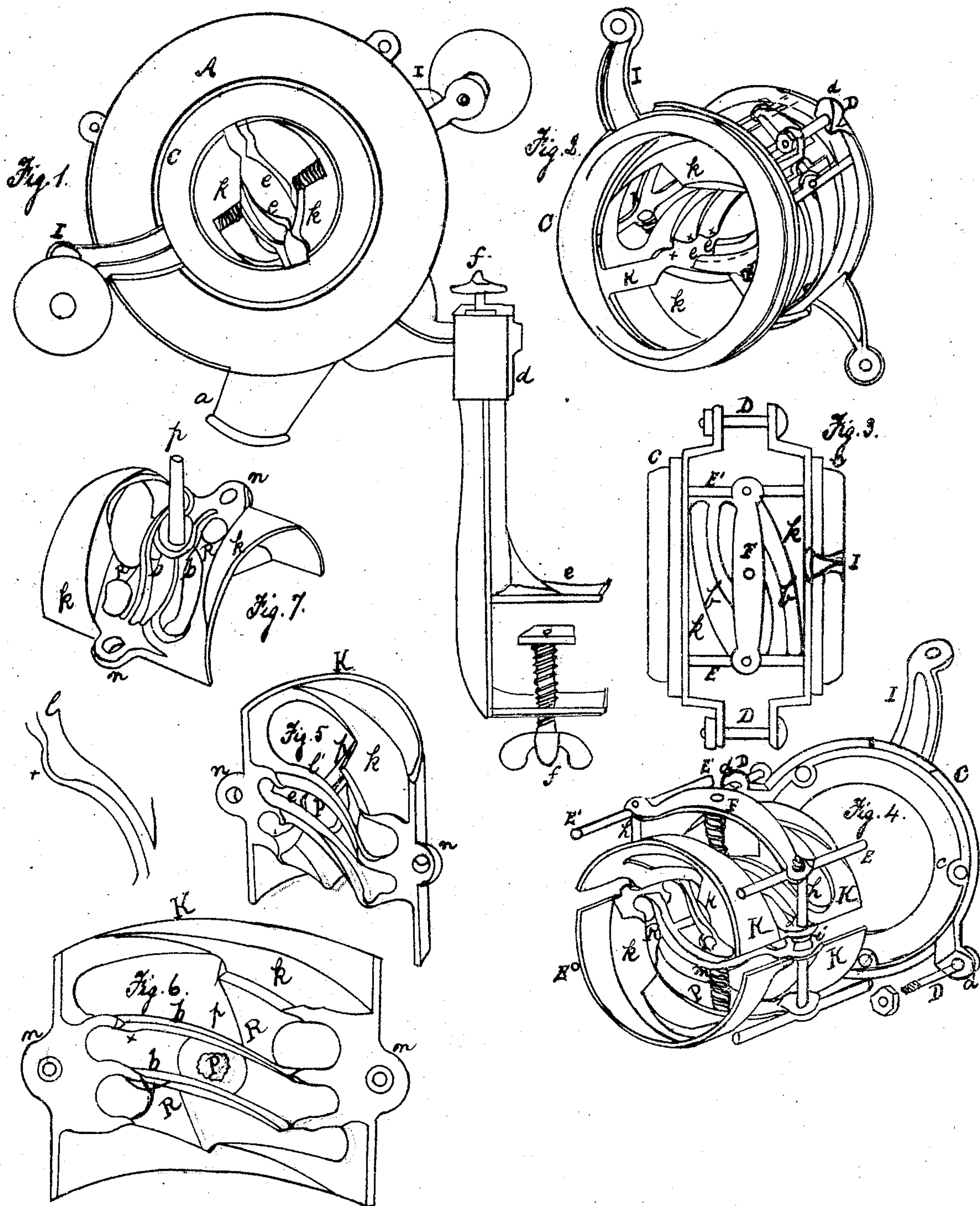


# C. H. Brady. Corn-Sheller.

N<sup>o</sup> 76154

Patented Mar. 31, 1868.



Witnesses.  
H. B. M. Neal

Inventor.  
C. H. Brady



# United States Patent Office.

CHRISTIAN H. BRADY, OF MOUNT JOY, PENNSYLVANIA, ASSIGNOR TO  
HIMSELF AND WILLIAM BRADY.

*Letters Patent No. 76,154, dated March 31, 1868.*

## IMPROVEMENT IN CORN-SHELLERS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHRISTIAN H. BRADY, of Mount Joy, in the county of Lancaster, and State of Pennsylvania, have invented certain new and useful Improvements on a Corn-Sheller, for which I obtained Letters Patent, No. 68,941; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 gives a side view of the sheller. The external case A, handles I, and standard d, and set-screws f, are somewhat modified, though essentially the same in their external relations.

Figure 2 shows the frame removed from the case A A, in perspective, with the shelling-apparatus and handles combined with the annular rims C C, which unitedly are revolved within the case, as in the former case.

Figure 3 is a vertical view of the same.

Figure 4, the annular rims removed, to show the framework and bearings in perspective.

Figures 5, 6, and 7 show one of the semicircular dividing and cutting-blades, spirally arranged, or forming inclined blades in different positions.

The nature of my invention consists in providing a more capacious reception for the corn within the same compass, by means of a radical change in the semicircular shellers K. This is effected by means of a broad dividing-blade, k, with its bevelled cutting-keel, R, which also connects it with a spirally-curved plate, l, on each side, in a reverse position, as shown by fig. 6. The two cutting-blades l are centrally combined at P, for a base, on which is cast a pin, p, for a coiled spring, m. These semicircular shellers K have perforated ears, n, by which they are held, and have their play on the central arms h. These arms h are held by passing through holes on the ends of the curved bars F. These bars are provided with arms, E E' E'. These rest in their respective sockets, in the inside of the rims C, as seen in fig. 4. Said bars F have also a central bearing for the spring-pins p. The rims or annular plates C C are bolted together by their lugs, d, and head-bolt and nut D, as shown. The drawings so clearly illustrate the entire combination of the parts, as to enable any one skilled in the art to make and use my invention without further detailed description.

I am aware that patent No. 29,886 uses two iron jaws hinged together. These jaws have oblique flanges projecting inwardly, with blunted external edges, that have a tendency to clog and bruise the corn. I am further aware that an improvement on the same was granted, patent No. 60,375, wherein is claimed a pin passing through the jaws or blades, and the coiled spring around the same. The coiled spring being common, and my pins p do not pass through my shelling-device K, but form a part of and are cast with them, differs as much as do the capacious plates K, and arrangement of the blades l; besides, the above, like my former patent, will only receive the small end of the ear between the blades, which is usually brittle, so as to crumble off and hinder the operation. This objection is avoided, and the whole machine decidedly improved, and gives such marked satisfaction as to make it substantially different in its character.

Having previously claimed the combination of the revolving frame, as then shown and constructed, with a stationary case, A, and spout a, I do not broadly claim the same and spring-plates K K, only as modified in the more convenient arrangement, and the novel features introduced.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The arrangement of the semicircular shelling-plates K with their dividing-plate k, keel R, in combination with the spirally-inclined and curved blades l, centrally united at P, for a pin, p, to support a coiled spring, constructed substantially in the manner shown for the purpose set forth.

2. In combination with my semicircular plates K, arranged as aforesaid, I also claim the bearing-plates F, for the pin p, said plate F being also provided with cross-arms E E', and bearings for the guide-rods h, in combination with the annular-handled rims C C, and their socket-bearings, all arranged in the manner shown and specified.

3. In combination with the foregoing revolving frame, I also claim the use of a stationary case, A A, with its standard, spout, and set-screws, arranged in the manner shown for the purpose set forth.

C. H. BRADY.

Witnesses:

H. B. McNEAL,  
JACOB STAUFFER.