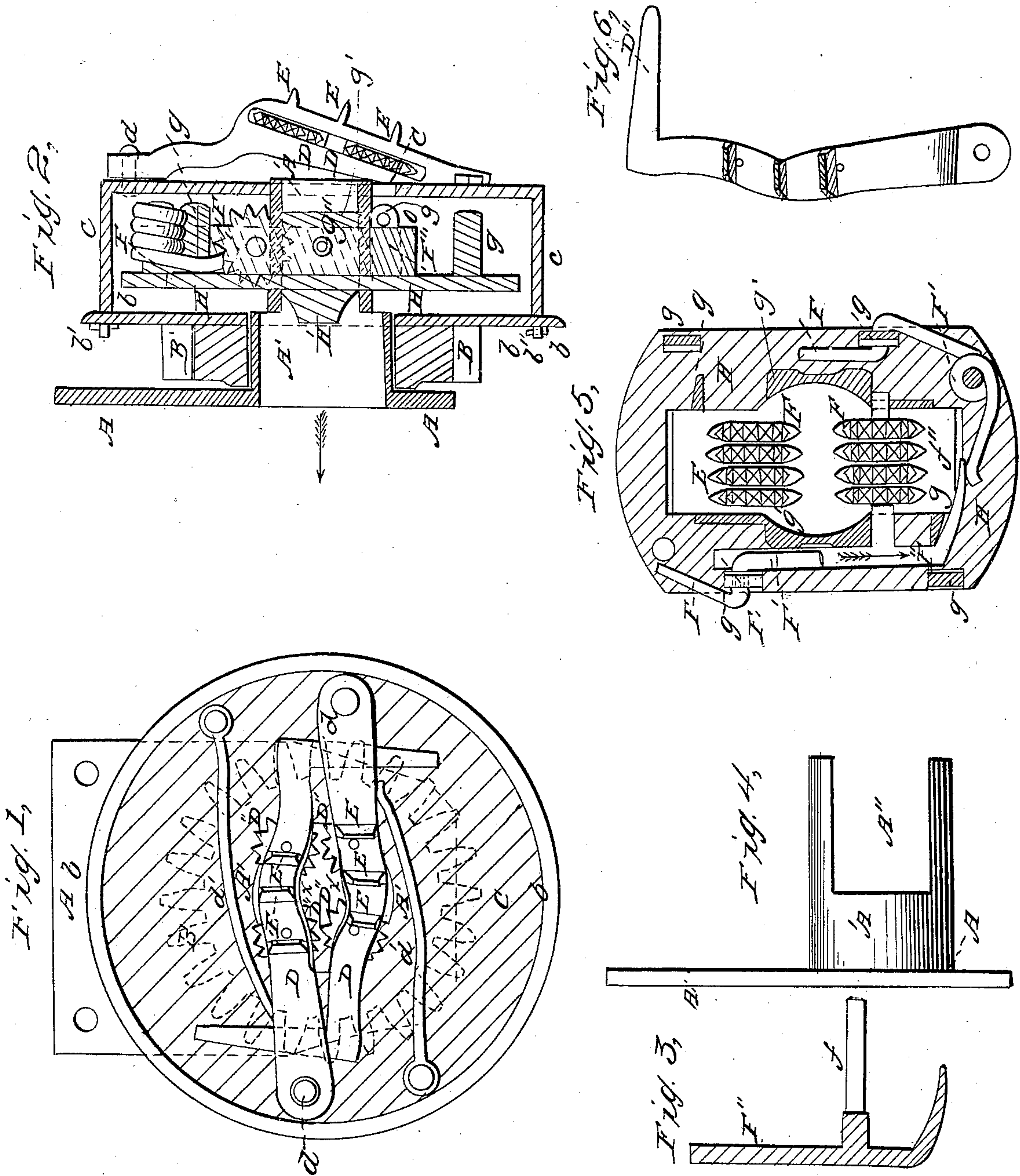


G. W. TOLHURST.

Corn Sheller.

No. 22,206.

Patented Nov. 30, 1858.





# UNITED STATES PATENT OFFICE.

G. W. TOLHURST, OF LIVERPOOL, OHIO.

## CORN-SHELLING MACHINE.

Specification of Letters Patent No. 22,206, dated November 30, 1858.

*To all whom it may concern:*

Be it known that I, GEORGE W. TOLHURST, of Liverpool, in the county of Medina and State of Ohio, have invented a new and useful Improvement in Machines for Shelling Corn; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in providing the levers "or jaws" of a corn sheller with spur wheels, set at an angle around the opening where the ear of corn is presented, so that by rolling said spur wheels around the cob, the ear is fed to the shellers, and press rollers.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

A, Figures 1, 2, and 4, is a cast iron frame with a hole in the back for fastening the machine when in use. In the center "or nearly so" of said frame is a sleeve, marked A', Figs. 1, 2, and 4. To this sleeve is attached the working portions of the machine. A section on each side of the sleeve is cut away as seen at, A'', Fig. 4, to allow the press-rollers marked F, F, to come in contact with the cob and prevent it (the said cob) from being revolved by the shelling and feeding apparatus.

B, Figs. 1 and 2, is a gear wheel by which the machine can be driven. Cast to this gear is a thin flange marked b, Figs. 1 and 2. Near the edge of this flange is attached the case of pulley marked C, Figs. 1 and 2, by means of lugs and pins, as shown at b, Fig. 2, to the front of case C, is attached two shelling levers, D, D, Figs. 1 and 2, by means of the rivets marked d.

d', d', are springs which are also secured to the case by rivets at one end of the spring the other end of the spring pressing on the shelling-levers for the purpose of keeping the feed-wheels and shellers in contact with the corn-ear as it enters the opening marked X, X, Fig. 1. The spur-gears, D'', D'', are placed in slots formed through the center of the levers as seen at L, L, Fig. 2, and stand at an angle of about twenty five degrees with the case, C.

F', as shown in Figs. 2 and 5, is a coil spring one end of which is secured to the holder, H, Figs. 2, and, 5. The other end presses on the crook of the slide-piece as seen at f'', Fig 5.

F'', F'', is a slide piece which supports the press-rollers, F.

g, g, g, are studs for keeping the slide-pieces in their place.

g', g', are for securing the holder, H, to the sleeve, A', the lug H' is cast to the holder also for the purpose of keeping the gear wheels, B, in place.

Fig. 3, is a slide-piece detached from the machine. f, is the journal on which the press rollers are placed. Fig. 4, is the frame. Fig. 5, is the holder detached from the machine, and Fig. 6, is one of the shelling levers without the feed wheels. D'', in Fig. 6, is to keep the lever steady. E, E, E, are the shelling teeth.

I place the press-rollers as close to the shellers as I can to enable me to shell short ears of corn.

Having thus described my improved corn-sheller, I do not claim placing the levers "or jaws" D, D, on an inclination with the face of the machine, nor do I claim the press-rollers F, F, knowing they have been before used but the power for feeding in the ear of corn to the shellers in other machines has been given by the operator's hand until it reached the press rollers, when it was finished by a rotary motion being given to the press rollers for that purpose, the jaws being insufficient to feed. I use the press-rollers only to keep the cob from revolving while it is being acted upon by the feed-wheels and shellers, no power being applied to my press rollers, therefore

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

The combination of the spur wheels D'', D'', D'', D'', with the levers or jaws D, D, these several parts being constructed, arranged, operated, and operating in the manner and for the purpose specified.

GEORGE W. TOLHURST.

Witnesses:

JAMES A. ROOT,  
ALBERT F. ROOT.