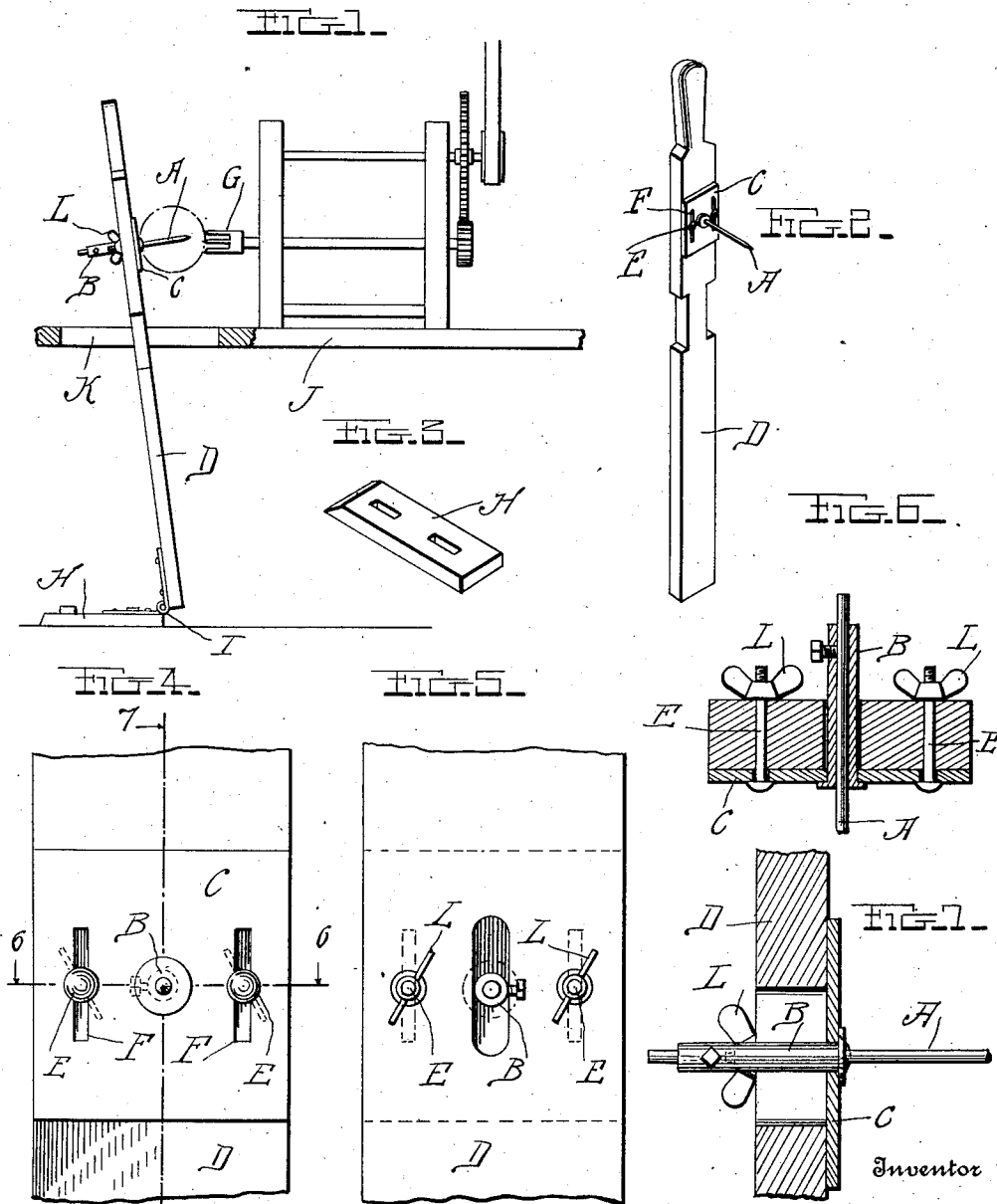


J. E. GREGORY.
 PROTECTIVE SELF FEEDER.
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1,048,151.

Patented Dec. 24, 1912.



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JOHN EASTER GREGORY, OF SPRINGDALE, ARKANSAS.

PROTECTIVE SELF-FEEDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN EASTER GREGORY, a citizen of the United States, residing at Springdale, in the county of Washington and State of Arkansas, have invented a new and useful improvement in apple-parers, said improvement being a protective self-feeder for attachment to any apple-parer operated by motive power.

My invention relates to improvements in feeding apple parer, and its objects are: first, to provide for feeding the apple accurately and correctly on fork of parer, to insure its being pared evenly and cored perfectly; second, to provide a regular and even feed of parer operated to full capacity at any speed; third, to provide fully for the elimination of all danger of injury to hand of operator by coming in contact with fork on parer. I attain these objects by the mechanism illustrated in the accompanying drawings, in which:

Figure 1 represents a side elevation partly in section of a table and parer with this protective self feeder applied; Fig. 2 is a perspective view of the feeding lever; Fig. 3 is a similar view of the feeding lever base; Fig. 4 is an enlarged detail front view of a portion of the feeding lever; Fig. 5 is an enlarged detail rear view thereof; Fig. 6 is a transverse section taken on the line 6—6 of Fig. 4; Fig. 7 is a longitudinal section on the line 7—7 of Fig. 4.

Similar letters refer to similar parts throughout the several views.

A, is sharp pointed metal spike for holding apple and carrying it to fork of parer; B is metal socket for holding spike A, and C is a metal plate or front part of socket B for attaching it to lever and adjusting it at proper height.

D is upright lever for holding spike and socket and carrying spike back and forth to place apple on fork of parer, as shown in Fig. 1 of accompanying drawings; E is bolt or bolts for fastening plate C to lever, and F is slot or slots in plate C through which the bolt or bolts E pass to fasten it to lever. These slots render plate C and socket B adjustable to proper height so spike A will strike fork of parer, as shown in Fig. 1 of accompanying drawings.

G is fork of parer on which apple is fed.

H is the block or base to which lever D is fastened by means of hinge I, and J is table on which parer is operated and to which it is attached.

K is slot in top of table J, near the side and directly in front of and under fork of parer, and in which lever D works back and forth to carry spike and apple to fork of parer, as shown in Fig. 1 of accompanying drawings.

L is thumb screw on rear end of socket B for holding spike A in place and making it adjustable, as shown in Fig. 7 of accompanying drawings.

In operation of my invention:—Lever D is of sufficient length to extend from wooden block or base upward through slot K in top of table, on which parer is operated, and afford room for attachment of metal plate C and socket B for holding spike A, as shown in Fig. 1 of accompanying drawings, and also give room above that for hand hold for operator. The block or base, to which lever is attached at bottom, is of sufficient size to afford room for two slots for fastening block or base to floor by means of bolts or set screws, and further to give room for attachment of hinge to fasten lower end of lever, as shown in Fig. 1 of the accompanying drawings. The metal plate C, as best shown in Figs. 4 and 5 of accompanying drawings, is of equal width of lever and of sufficient height to afford room for slots on either side of socket through which bolts pass to attach it to lever. By means of these slots the socket may be raised or lowered on lever to adjust the point of spike A to fork of parer. In the center of this plate C the socket B is firmly fitted. This socket B is a hollow metal tube of sufficient size to hold the spike A, and of sufficient length to extend back through slot in lever and afford room for thumb screw L in rear of lever. The metal plate C and socket B may be made in one piece and if not the socket B is securely welded or soldered to plate C. The metal spike A is a sharp pointed metal spike of sufficient size and length to fit in the socket B and extend far enough through in front of plate C to hold apple. It is held in place by thumb screw L and can be adjusted so its point projecting in front of plate C will hold any sized apple. By raising or lowering plate C by means of the slots, as above explained, the point of spike A can be adjusted accurately to fork of parer. The hinge I, by which lever D is fastened to block or base, as shown in Fig. 1 of accompanying drawings, may be an ordinary metal hinge, and is used in or-

der that lever may be fastened in a way that its upper end can be worked back and forth, in slot K, as above indicated, to carry spike A holding apple to fork of parer. The parer is fastened on a table, as shown in Fig. 1 of accompanying drawings, and the slot K is so arranged as to permit of lever D being worked back and forth directly in front of and against fork of parer, for the purpose of carrying spike A holding apple to fork of parer and forcing apple on fork of parer, as heretofore explained.

When the protective self-feeder is attached to parer, ready for operation, as shown in Fig. 1 of the accompanying drawing, socket B and plate C are so adjusted on lever D that when the lever is pushed forward the point of spike A strikes the center of fork G on parer. The lever is pulled back to the end of slot K away from fork of parer. The operator then places apple properly on the point of spike A. Then clasping the hand hold at top of lever he pushes the lever quickly forward and against the fork of parer. The apple, being held in place by spike A, is carried forward against the fork of parer, by the forward movement of the lever, and striking the fork of parer is forced upon it by the force of the forward movement. The point of spike A being ac-

curately adjusted to fork of parer and apple held properly on spike is correctly placed on fork of parer. The lever being then quickly pulled backward by the operator the spike is easily withdrawn and leaves apple correctly on fork of parer.

With a little experience the operator can gage the feeding accurately to any speed at which the parer may be run and keep the parer at its full capacity at any speed.

I am aware that prior to my invention self feeders for apple parers have been in use; I therefore do not claim the principle of self feeding broadly; but

I claim:

A feeder for apple parers comprising a longitudinally slotted block, a lever hinged to said block and having a slot arranged longitudinally therein, a plate adjustable longitudinally on said lever and having a socket extending laterally therefrom and projecting through the slot in said lever, means for holding said plate in an adjusted position, and a pin adjustably mounted in said socket.

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