

(No Model.)

W. A. C. OAKS.

KNIFE HEAD FOR APPLE PARING MACHINES.

No. 352,774.

Patented Nov. 16, 1886.

Fig. 1,

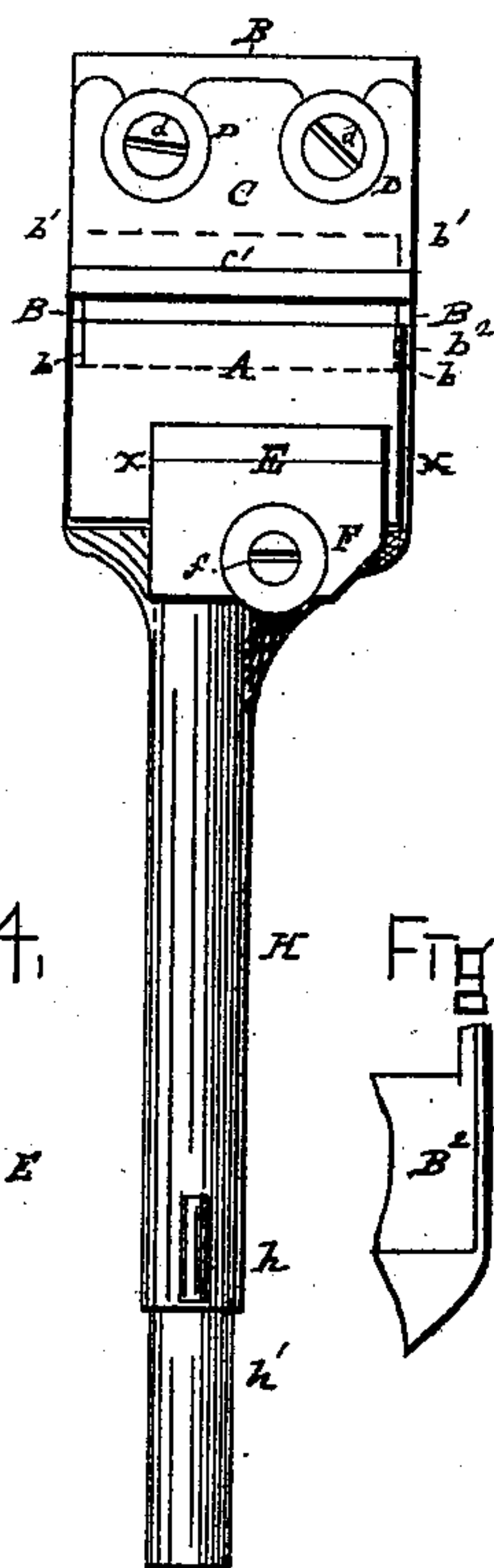


Fig. 4,

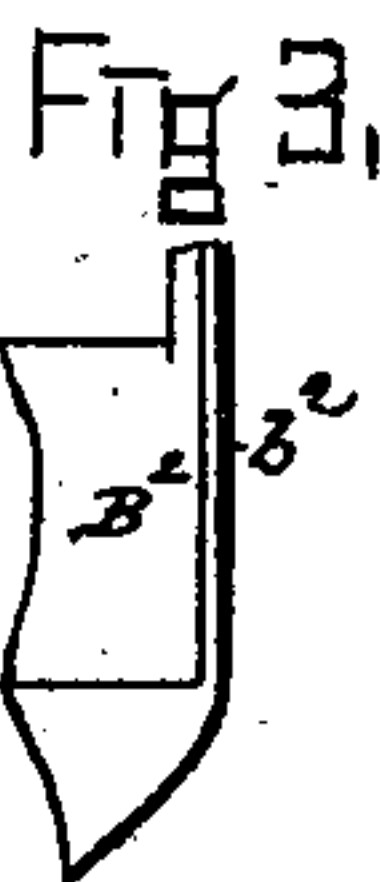
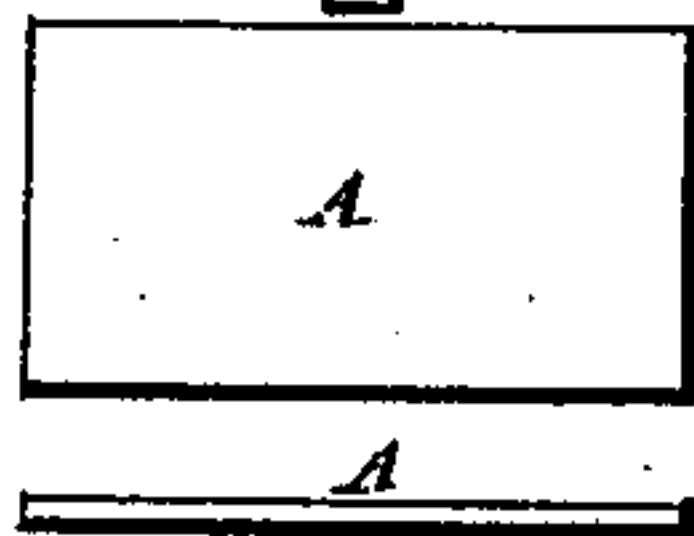


Fig. 2,



WITNESSES

Hartshorn White
John W. O'Brien

INVENTOR

Wm. A. C. Oaks

By his Attorney

Wm. L. Button

UNITED STATES PATENT OFFICE.

WILLIAM A. C. OAKS, OF ANTRIM, NEW HAMPSHIRE, ASSIGNOR TO THE
GOODELL COMPANY, OF SAME PLACE.

KNIFE-HEAD FOR APPLE-PARING MACHINES.

SPECIFICATION forming part of Letters Patent No. 352,774, dated November 16, 1886.

Application filed August 26, 1885. Serial No. 175,345. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. C. OAKS, of Antrim, Hillsborough county, State of New Hampshire, have invented a certain new and useful Improvement in Knife-Heads for Apple-Paring Machines, of which the following is a full and complete specification, reference being had to the accompanying drawings, forming a part thereof.

My improvement consists in constructing the paring-knife head of an apple-paring machine substantially as hereinafter set forth, consisting, essentially, in securing the guard (preferably of glass or other silicious material) to the head by a spring and screw, so as to be readily removable.

In the drawings, Figure 1 is a front view of the knife-head with the guard attached. Fig. 2 is a plan and an edge view of the guard itself, full size. Fig. 3 is a view of a portion of the knife-head, showing the depressed portion B^2 and the edge b^2 , which holds the guard. Fig. 4 is a cross-section of the clamp E, which holds the guard in place upon the head.

A is the guard; B, the frame upon which knife and guard are set; b^2 , the edge of frame, connecting the part supporting the knife-blade to that supporting the guard; C, the knife-blade; D D, washers; $d d$, screws holding the knife in place; E, clamp for holding guard in place; F, washer, and f screw for securing the clamp to the frame; H, the handle of the knife; h , eye for spring; h' , socket of handle. Dotted lines $b b$ and $b' b'$ indicate edges of frame.

The head has a depressed portion, B^2 , for the guard, leaving the rim or raised edge b^2 .

The construction of the frame, the handle or knife-arm, and the knife-blade is as usual. The guard is a simple rectangular piece of ordinary window-glass placed against the frame and held in place by the clamp shown, which is a piece of sheet metal bent into a bevel on the line $x x$, so that it may press firmly by its upper edge against the glass guard, and by reason of the bend exert a spring-pressure upon the guard when it is screwed firmly to the knife-head. The shape of this clamp may vary, of course. Fig. 4 shows the bend referred to.

To assist in holding the guard firmly in place upon the knife-head, it may be coated on the under side with a little shellac, varnish, or other suitable cement.

I am aware that a fruit-paring-knife head having a guard which regulates the thickness of the paring, made of silicious material, is not new, and therefore lay no claim to the same.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A knife-head for a fruit-paring machine, provided with a depressed portion, B^2 , in combination with a removable guard of suitable material, held in place by a spring-clamp, E, secured to the head by a screw, substantially as shown and described.

In witness whereof I have hereunto set my hand.

WILLIAM A. C. OAKS.

Witnesses:

C. S. ABBOTT,
E. S. MCCOY.