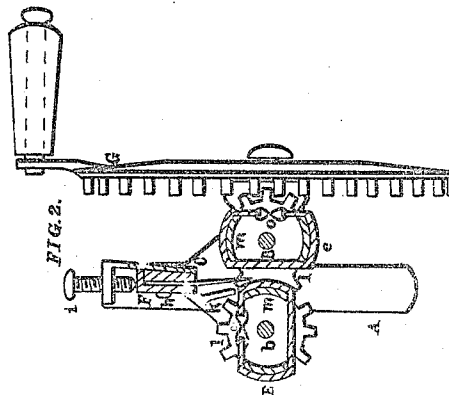
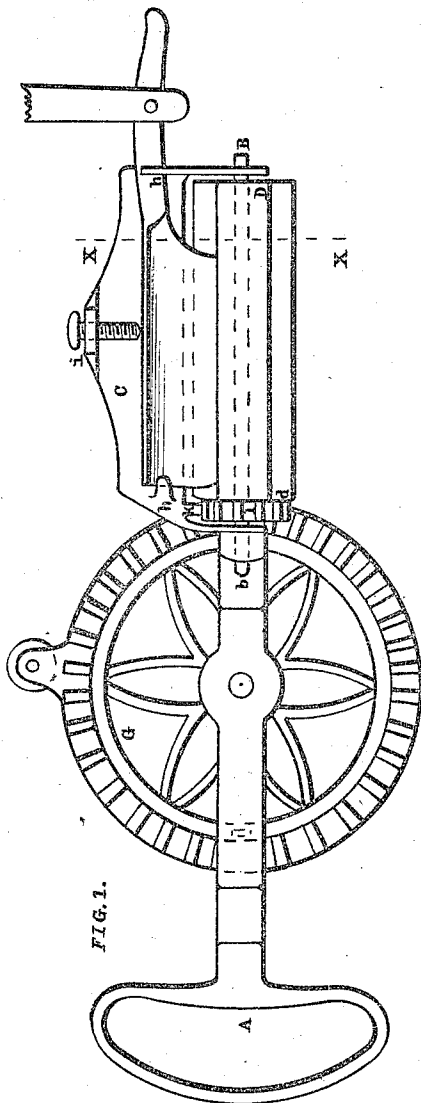


G. D. ADAMSON.
MACHINE FOR SHARPENING AND HONING RAZORS.
APPLICATION FILED JUNE 1, 1909.

972,979.

Patented Oct. 18, 1910.



Witnesses:
Wm. F. Steeg
Wm. Berner.

Inventor:
George D. Adamson.

UNITED STATES PATENT OFFICE.

GEORGE D. ADAMSON, OF INDIANAPOLIS, INDIANA.

MACHINE FOR SHARPENING AND HONING RAZORS.

972,979.

Specification of Letters Patent.

Patented Oct. 18, 1910.

Application filed June 1, 1909. Serial No. 499,374.

To all whom it may concern:

Be it known that I, GEORGE D. ADAMSON, a citizen of Great Britain, residing in the city of Indianapolis, Marion county, in the State of Indiana, have invented a new and useful machine whereby sharpening and especially stropping of razors, lancets, and table-knives is more advantageously done than at present, of which the following is a specification.

My invention relates to the improvement of the sharpening and the maintaining of a keen edge on ordinary and safety razors, lancets, and table knives.

The objects of my invention are, first, to equally in one operation grind, hone or strop both sides of a given blade; second, to do it speedily; and, third, to do it automatically.

I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is elevation of the entire machine as it would appear when operating on an ordinary razor. Fig. 2 is a part elevation in section at X' X' as it would appear when operating on a thin or safety razor blade.

Similar letters refer to similar parts throughout these views.

A is handle upon which the entire machine is built. It is apparent that it and holder C could be made in one piece, and for heavy work would be so made.

B is double axle made of one piece looped at B passing through holes in holder C and rollers D *d* and being clenched in handle A form base for holder C and bearings for rollers D *d*.

C is holder set on axles B and having lugs *h* into which razor or carrier F is placed, and set-screw *i* being screwed down on razor

or carrier F back holds blade edge to rollers D *d*. Pawl *k* on aforesaid holder engages cog-wheel *l* thus preventing reverse motion.

D *d* are two elliptical hollow rollers each made of one piece *m* looped at D and riveted on to cog-wheel *l* at *d*. Holes in center at D and *d* provide bearings on which aforesaid rollers D *d* revolve on axles B respectively. Aforesaid cog-wheels *l* being in gear so that aforesaid rollers D *d* clear each other, it appears that the faces of their longer axis can be made to alternately touch anything put between them.

E are removable sleeves made of material suitable to make and maintain a keen edge, and held in place by lacing *o*. This allows of readily renewing working faces of aforesaid rollers D *d*.

F is a carrier used to adapt holder C to safety or special blades.

G is a pinion wheel hung on handle A and being in gear with cog-wheels *l* motion made in direction allowed by pawl *k* will speed aforesaid rollers D *d*.

Having thus set forth and explained my invention, I claim as new and desire Letters Patent for—

A sharpening machine comprising a handled frame, parallel sharpening member bearing rods mounted thereon, sharpening members journaled on said rods, an instrument support mounted on said rods and parallel therewith, a drive wheel journaled in said frame and operatively connected with driving means borne by said sharpening members.

GEORGE D. ADAMSON.

Witnesses:

JOHN L. F. STEEG,

WM. E. BERNER.