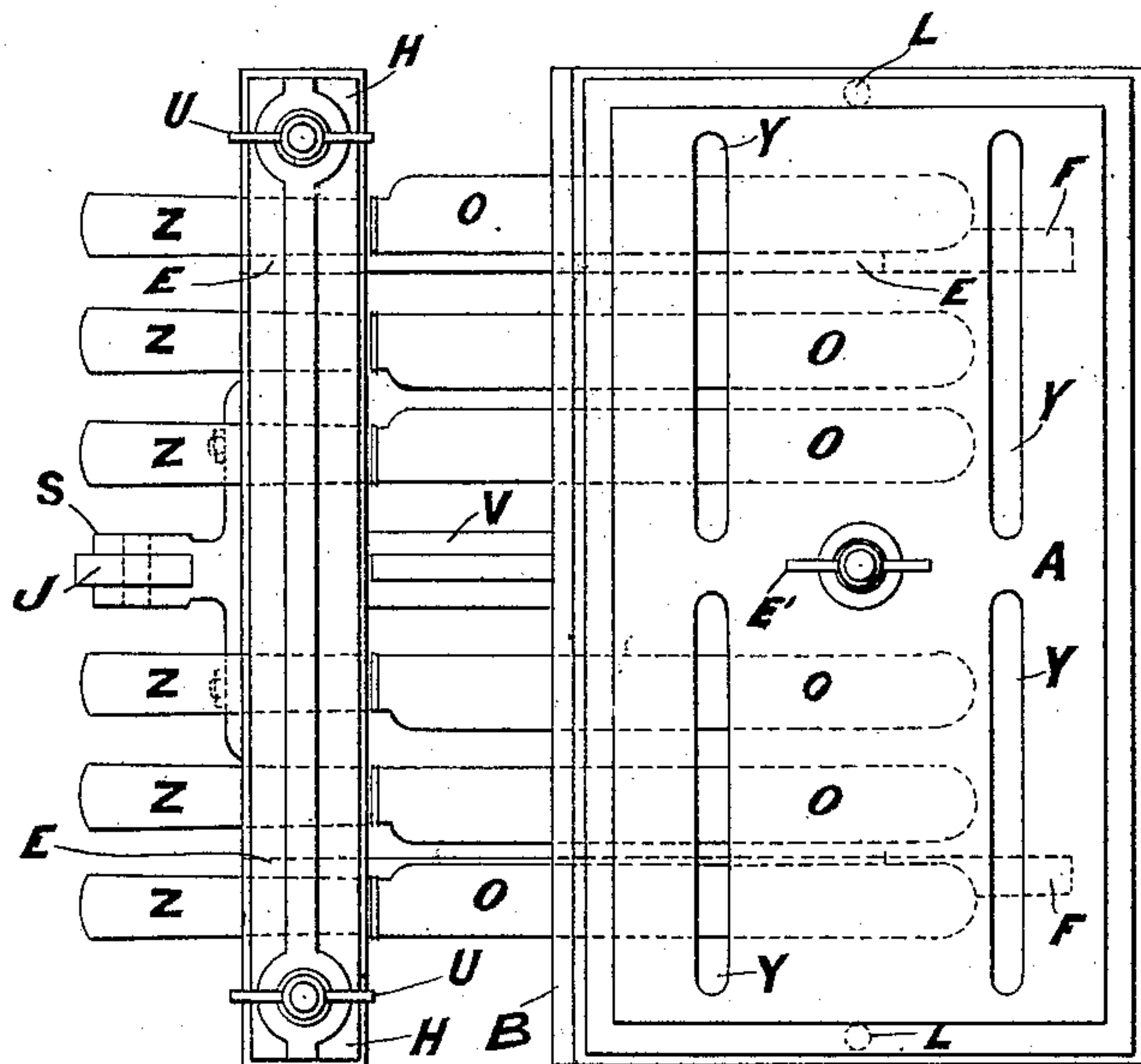
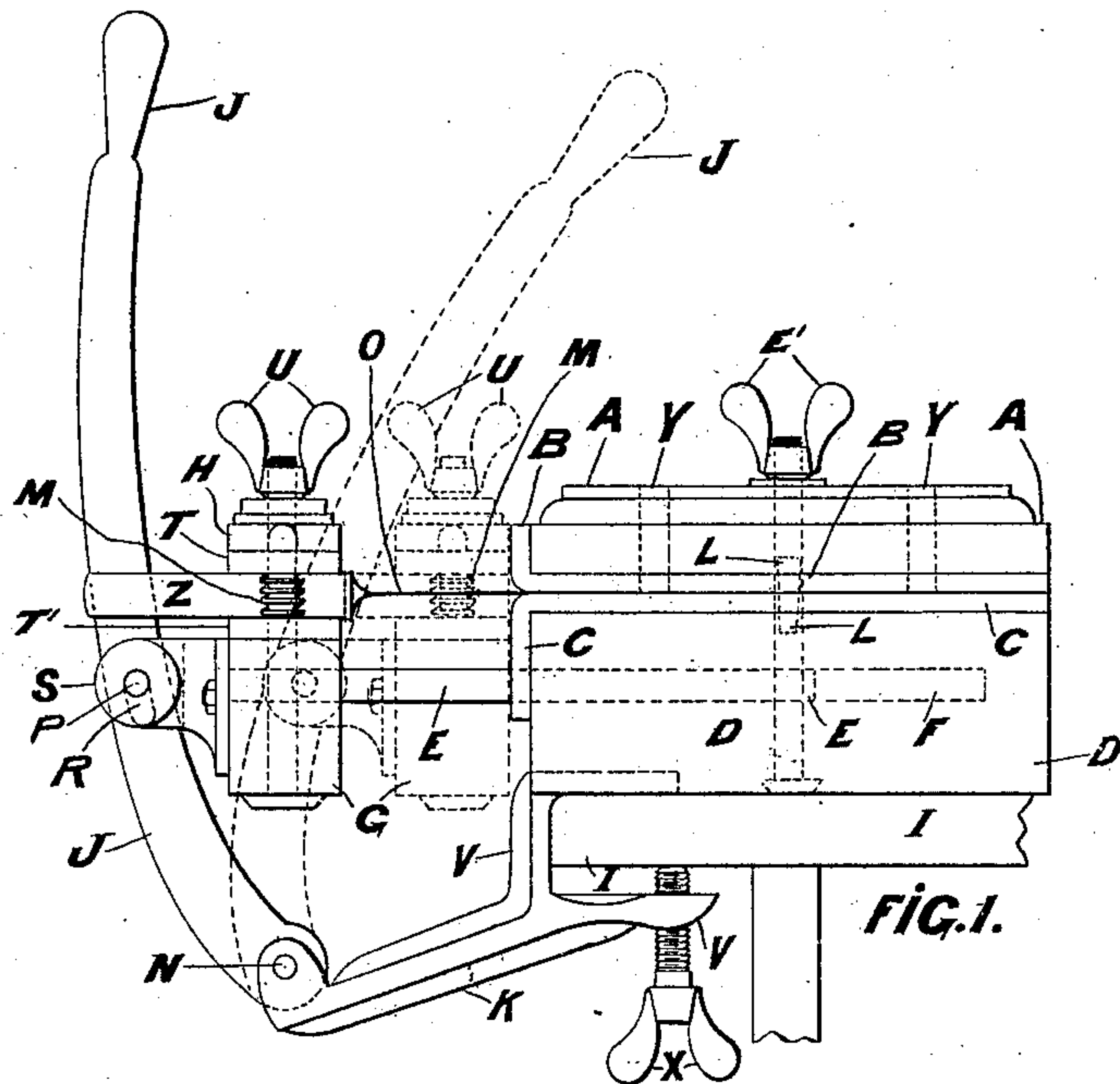


No. 874,935.

PATENTED DEC. 31, 1907.

J. BROWN.
KNIFE CLEANER.
APPLICATION FILED OCT. 8, 1906.



Witnesses:

J. B. Kessler
C. Kessler

FIG. 2.

Inventor for

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By

James L. Norris

Att'y

UNITED STATES PATENT OFFICE.

JOHN BROWN, OF AUCKLAND, NEW ZEALAND.

KNIFE-CLEANER.

No. 874,935.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed October 8, 1906. Serial No. 338,010.

To all whom it may concern:

Be it known that I, JOHN BROWN, subject of His Majesty the King of the United Kingdom of Great Britain and Ireland, resident of the city of Auckland, in the Provincial District of Auckland and Colony of New Zealand, merchant, have invented an Improved Knife-Cleaner, of which the following is a specification.

This invention relates to knife cleaners, the object of the invention being to provide a simple and effective device of this character by which table and other knives can be quickly polished with a small amount of labor.

The accompanying drawing shows two figures of which

Figure 1 is a side elevation of the machine or cleaner fitted to a table, bench or the like wherein the solid lines show the machine open and the dotted lines show the clamp and longitudinal piece closed to the solid frame carrying the pads, and Fig. 2 is a plan of the machine shown open with six knives fixed for cleaning.

The upper frame or board A has the top pad B fixed to it so that it, the pad B, can be placed over the bottom pad C which is fixed to the lower frame or board D. The two boards or frames A and D are adjustably fitted to one another by the thumb screw E' placed in the center as shown in Fig. 1, though more thumb screws can be used for the purpose and if used they will preferably be at the two ends of the boards or frames. Parallel grooves are made in the lower frame or board D so that parallel runners or rods E fixed to the longitudinal piece G carrying the clamp H can be projected to move backwards and forwards therein as the clamp H is operated by the handle J.

A downwardly projecting extension K forming part of the screw clamp V is screwed or otherwise fixed to the lower frame or board D and its outer end is given a downward projection. The handle J is also extended in a downward direction, and has its lower end jointed at N to the outer end of the downwardly projecting extension K; this handle J is given the curve formation shown in Fig. 1 and has a suitably curved slot R fitted over the pin P fixed within the end S projecting outwards from the longitudinal piece G. The handle J is curved upwardly and inwardly as shown in Fig. 1. Facings T and T' made of carpet, linoleum or other suitable material

are securely fixed respectively to the under part of the clamp H and to the upper part of the longitudinal piece G two thumb screws U connect and hold the clamp H to the longitudinal piece G and they are fitted around with spiral springs M which help to raise the clamp H off the longitudinal pin G. A thumb screw X is used to fix the screw clamp V secured to the lower frame or board D to the table or bench I or such like. Slots or openings Y are made in and through the top of the upper frame or board A and pad B, as shown, into which emery or other knife powder is fed dropped or placed when required and also to allow the dust to rise from the pads if necessary. Dowels L are fitted to the opposite ends of the frames A and D so as to steady them when fitted together.

To give effect to the cleaner the two thumb screws U are partly unscrewed so as to lift the clamp H sufficiently off the longitudinal piece G to permit the handles Z of the knives to be set and screwed therein tightly between the facings T and T', as shown in Fig. 1. The blades O are thrust in between the pads without unscrewing the thumb screw E' if the pads are not held too tightly together. When thus fitted the blades O of the knives are pushed forwards and drawn backwards smartly between the pads by the action of the handle J as it is moved forwards and backwards and so the slot R rises and falls on the pin P as the longitudinal piece G moves backwards and forwards. When the knife blades O are thus sufficiently cleaned they can be disengaged from the cleaner by the thumb screws U being unscrewed whereby the clamp H is raised off the longitudinal piece G when the handles Z can be lifted from between the facings T and T', and the blades O drawn out from between the pads B and C. One knife only is shown fitted to the cleaner in Fig. 1 as the others fitted in are hidden by the one shown. In Fig. 2 six knives are shown that being the number fitted into the cleaner as illustrated. Smaller or larger cleaners can be used in which case fewer or more knife blades can be cleaned at one time according to the size of the cleaner, a continuous number of knives can be cleaned by putting fresh knives into the cleaner.

Fig. 1 shows the cleaner respectively by full and dotted lines in its open and closed positions the open position being shown by

the clamp H and longitudinal piece and their fittings appearing in solid lines and the closed position being shown by the same parts appearing in dotted lines.

5 When the handle J is pressed forward and inwards the clamp H and its connections are withdrawn from the two pads which action being continuously repeated cleans the knife blades O.

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

1. The combination of a knife cleaning member in sections provided, respectively,
15 with knife cleaning facings, an extension on one of said sections, provided with means for fastening said knife cleaning member to a table or other support, a hand lever fulcrumed to said extension, and a longitudinal
20 piece connected with and operable by said lever, said longitudinal piece having knife clamping means and also having rods, and that section of the knife cleaning member

which is provided with said extension, being furnished with channels to receive said 25 rods.

2. The combination of a knife-cleaning member in upper and lower sections provided respectively with knife-cleaning facings, the upper section having elongated 30 slots for the supply of cleaning powder to the facings thereof, and an extension on the lower section provided with means for fastening the knife-cleaning member to the table or other support, a hand-lever ful- 35 crumed to said extension, a longitudinal piece connected with and operable by said lever, said longitudinal piece having knife-clamping means and also having rods, and the upper section having channels to re- 40 ceive said rods, and thumb-screw means for clamping said sections together.

JOHN BROWN.

Witnesses:

GEORGE WILLIAM BOSLEY,
HILDA MAY FROUDE.