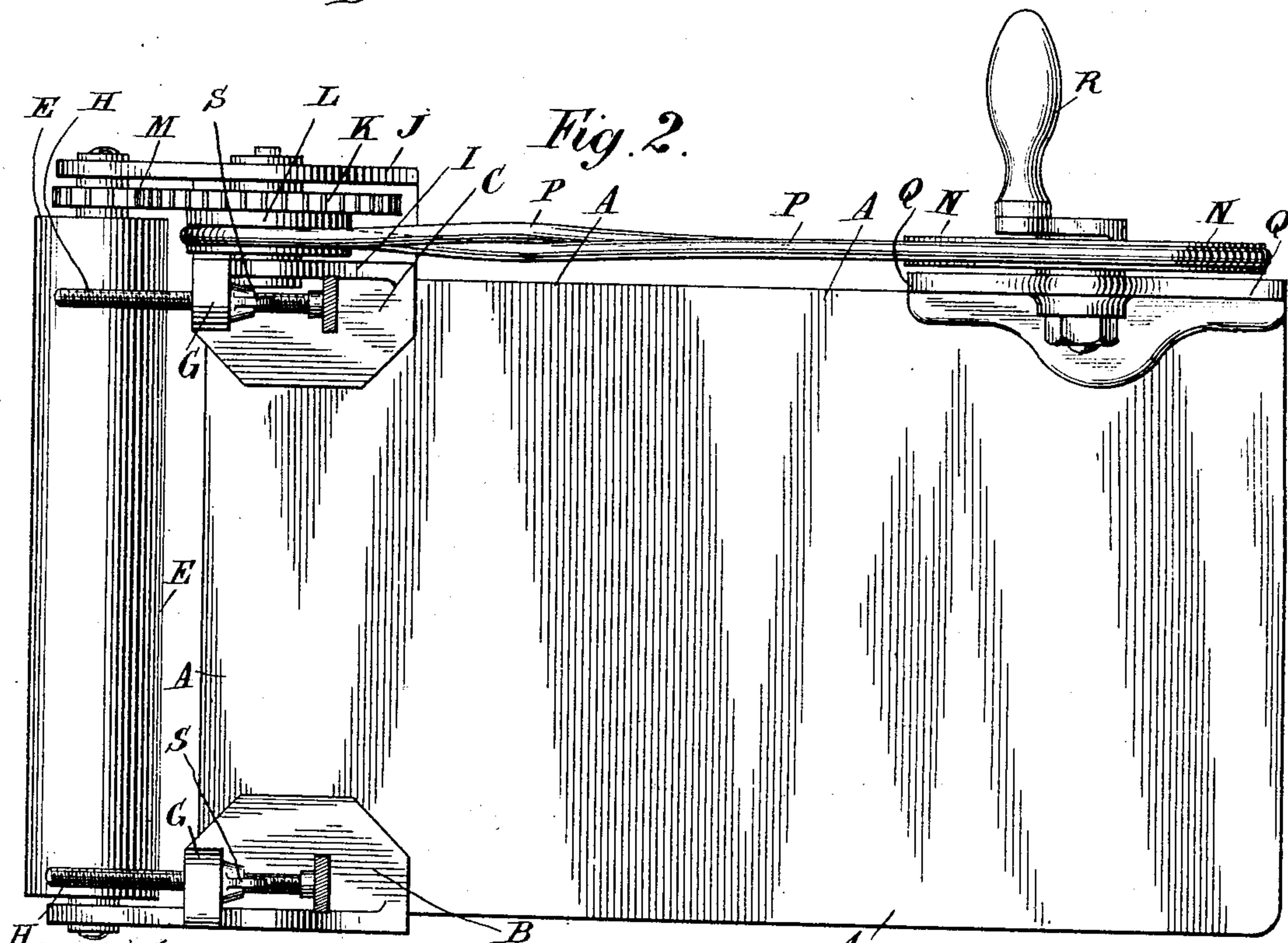
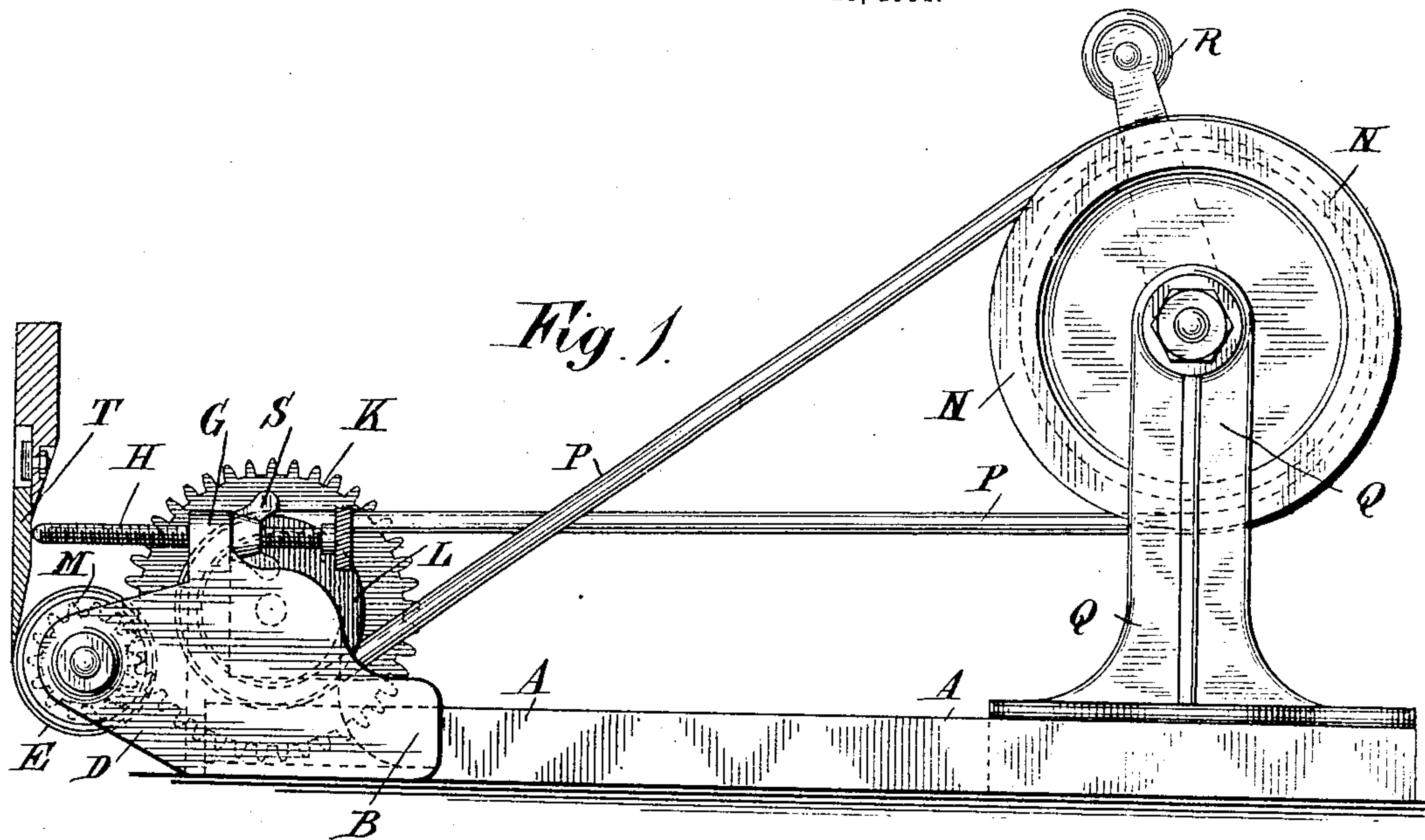


No. 779,837.

PATENTED JAN. 10, 1905.

A. V. BROWN.  
APPARATUS FOR SHARPENING THE KNIVES OF GUILLOTINE CUTTING  
MACHINES.

APPLICATION FILED MAY 20, 1904.



Witnesses

J. B. Kiefer  
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# UNITED STATES PATENT OFFICE.

ARTHUR VYVYAN BROWN, OF STOKE NEWINGTON, LONDON, ENGLAND.

APPARATUS FOR SHARPENING THE KNIVES OF GUILLOTINE CUTTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 779,837, dated January 10, 1905.

Application filed May 20, 1904. Serial No. 208,983.

*To all whom it may concern:*

Be it known that I, ARTHUR VYVYAN BROWN, a subject of the King of Great Britain, residing at 6 Lavell street, Albion Road, Stoke Newington, London, England, have invented certain new and useful Improvements in Apparatus for Sharpening the Knives of Guillotine Cutting-Machines, of which the following is a specification.

10 The object of this invention is to construct a simple apparatus for sharpening the knives of guillotine cutting-machines without it being necessary to remove the knife from its box or carrier, the apparatus being held to the cutting-board by one hand and operated by the other.

My invention will be clearly understood from the following description, aided by the accompanying drawings, in which—

20 Figure 1 is a side elevation of a complete apparatus, and Fig. 2 is a plan of same.

The apparatus is composed of a base-board A, having mounted at two opposite corners brackets B C, both of which carry extensions D, in which the sharpening-roller E is journaled, said brackets B C also carrying lugs G for holding screws H, which regulate the adjustment or position of the knife to be sharpened with respect to the apparatus. The bracket C also carries a wall I, between which and an outer wall J, forming a continuation of the extension D, a gear-wheel K and pulley L are mounted, the gear-wheel K meshing with a pinion M on the sharpening-roller E, and the pulley L, which is secured to a part of the gear-wheel K, is connected to a driving-pulley N by a belt P, the driving-pulley N being journaled to a bracket Q, secured to the opposite side of the base A, and such driving-pulley carries a handle R, by which it can be rotated.

The adjusting-screws H are provided with fly or other nuts S for locking the screws H in their adjusted position.

45 The sharpening-roller E is covered in any desired manner with emery-cloth, glass-paper,

or other means of sharpening, or such roller may be a sharpening-stone in itself.

In practice the guillotine cutting-knife T is lifted to just above the cutting-table, as will be understood from Fig. 1. The apparatus is now placed on the cutting-table, (the screws H having been drawn back,) and the roller E is placed evenly in contact with the side edge of the guillotine cutting-knife. The screws H are now operated and projected so that their ends just touch the guillotine cutting-knife, as shown, (or other part of the box or carrier,) the screws H being then locked by the fly or other nuts S. The base is now held by hand firmly on the cutting-table while the handle R of the driving-pulley N is operated to rotate the roller E and sharpen the knife T at the part of contact.

The sharpening-roller I prefer should be about one foot in length, so that only a portion of the knife can be sharpened at one time, the screws after having been adjusted and locked suiting for each time the apparatus is used for sharpening that knife, so that a perfect even sharpening throughout the whole length is obtained.

What I claim, and desire to secure by Letters Patent, is—

The apparatus for sharpening knives consisting of a base-board carrying by brackets a sharpening-roller, lugs on said brackets carrying adjustable screws for positioning the sharpening-roller against the knife, gear-wheel on the sharpening-roller meshing with a gear-wheel on one of the brackets, pulley connected to the gear-wheel on the bracket and connected by belt to a driving-pulley all being arranged and operating substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARTHUR VYVYAN BROWN.

Witnesses:

WM. V. BROWN,  
HY MAYKELS.