

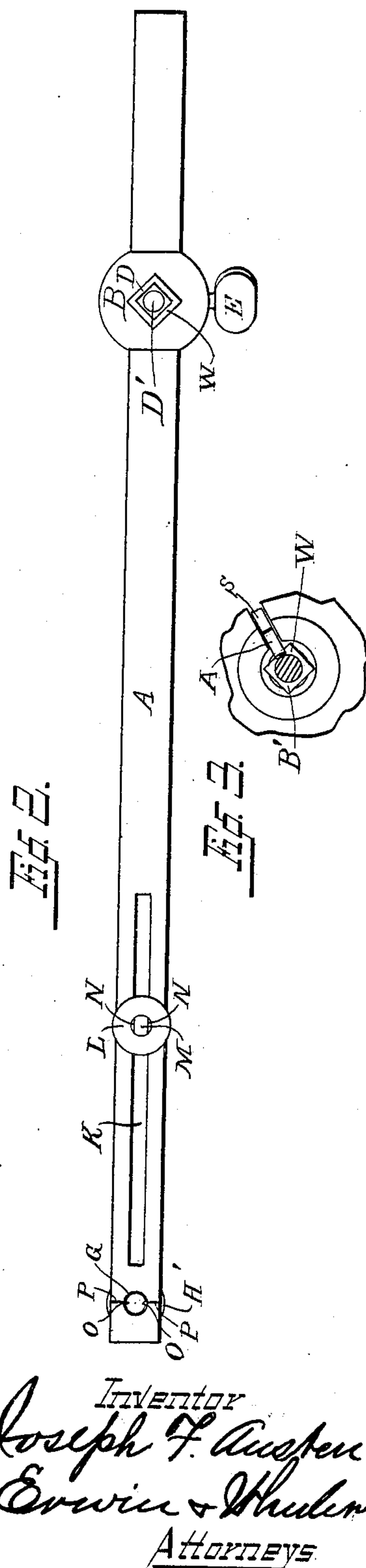
**No. 681,945.**

**Patented Sept. 3, 1901.**

**J. F. AUSTEN.**  
**GASKET CUTTER.**

(Application filed Nov. 21, 1900.)

(No Model.)



# UNITED STATES PATENT OFFICE.

JOSEPH F. AUSTEN, OF MILWAUKEE, WISCONSIN.

## GASKET-CUTTER.

SPECIFICATION forming part of Letters Patent No. 681,945, dated September 3, 1901.

Application filed November 21, 1900. Serial No. 37,246. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH F. AUSTEN, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Gasket-Cutters, of which the following is a specification.

My invention relates to improvements in devices for cutting circular gaskets, washers, &c., from rubber, leather, sheet-lead, or other similar material; and it pertains more especially, first, to the device for adjusting the cutting-knives horizontally upon the supporting-bar in relation to each other and the central pivotal pin, whereby the same is adapted to cut gaskets and washers of any desired diameter corresponding with the length or within the range of such supporting-bar and whereby washers of various diameters may be cut of any desired width corresponding with the distance between the two cutting-knives; second, to the device for fastening the handles to the supporting-bar, and, third, to the device for renewing or replacing the central pivotal point when worn or broken.

The construction of my invention is explained by reference to the accompanying drawings, in which—

Figure 1 represents a side view thereof, part broken away, disclosing the device for attaching the operating-handles to the instrument. Fig. 2 represents a top view of the device shown in Fig. 1 with the handle removed. Fig. 3 is a sectional view drawn on line  $x x$  of Fig. 1 from its lower side.

Like parts are identified by the same reference-letters throughout the several views.

A is the knife-supporting bar. B is the central pivotal pin, the point C of which is adapted to be inserted in material from which the gasket or washer is cut and serves to guide the cutting-knives in their circular course around such pin, which forms the center of the gasket or washer. The bar A is adjustably secured in the rectangular aperture formed in said pin B by the binding-screw E, which has screw-threaded bearings in the walls of said pin and when turned forward impinges at its inner end against the side of said bar A and holds said pin at any desired point of adjustment. When desirous to cut a gasket, a single knife F only is used, which

knife is secured to the outer end of the bar A in the aperture G by the two binding-nuts H and H', which have screw-threaded bearings upon the shank I. When desirous to cut a washer, the knife J is inserted in the slot K and secured in place by the binding-nuts L L', which also have screw-threaded bearings upon the shank M of said knife. It will be obvious that the width of the washer to be cut may be regulated by the distance the knife J is adjusted from the knife F and that the washer may be cut any desired width corresponding with the length of said slot K. To provide for retaining the cutting edge of the knife J at right angles with the bar A, the shank M is provided with flattened surfaces N N', which have bearings against the vertical walls of said slot K and prevent the knife from turning therein. To provide for adjusting the cutting edge of the knife F at right angles to the bar A, the shank I is provided with vertical grooves O, in line with the respective sides of said cutting-knife, and the bar A is provided with index-grooves P P', formed at right angles to said bar, whereby the grooves O and P serve as guides in adjusting said knife, it being understood that when said grooves are in line with each other the cutting edge of said knife will be at right angles to said supporting-bar. To provide for removing said knife F, as may be required for sharpening or other purposes, the operating-handle Q is detachably secured to the upper end of said shank I, it being retained in place by the lug R, formed in the lower end of the lever S, which lug R engages beneath the flange T of the upper binding-nut H. The lug R is retained in place beneath said upper binding-nut by the recoil of the spring U against the upper arm of the lever S. It will be understood that when desirous to remove said handle Q said lug R is disengaged from the flange T of said binding-nut by pressing inwardly upon the upper end of the lever S and that said lug R will be retained in place beneath the flange T and said handle retained in place by the recoil of said spring U. The handle V is substantially the same in construction as the handle Q and is in like manner secured in place upon the shank W, formed on the upper end of the pin B by the lug A', which engages beneath the shoulder B' of said shank



W by the recoil of the spring U, which bears against the upper end of the lever S. The lever S is secured in place by the pivotal pin C'. The shank W is made angular in shape and slightly conical for engagement with an ordinary bit-stock by which said tool may be operated for light work, in which case the handle B is removed from the shank W and the bit-stock (not shown) is secured to said shank in the ordinary manner. The upper end of the shank W is provided with a cylindrical projection D', while the handle V is provided with a corresponding socket E' for the reception of said cylindrical projection D', which projection serves to retain said handle in place upon the shank and permits of said shank turning with the tool as the handle is held in the grasp of the operator. It will of course be understood that the lower portion of said socket E in said handle B is of such diameter as to permit the rectangular shank W to turn therein without contact with the walls of said socket. To provide for removing the point C from the pin B in case the same should become dull or broken, the same is preferably formed separately from the pin B and secured thereto by a screw-threaded shank F', which engages in a corresponding socket G', provided therefor in said pin. The point C is provided with an aperture H' for the reception of a pin or lever by which the same is attached to or detached from said pin.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a gasket-cutter, the combination of the bar A provided with aperture G; cutting-knife F detachably secured in said aperture G; handle Q detachably secured to the shank I of said knife; adjustable pin B provided with rectangular shank W and cylindrical projection D'; and handle V detachably se-

cured to said cylindrical projection D', substantially as and for the purpose specified. 45

2. In a gasket-cutter, the combination of the supporting-bar A; pin B adjustably secured to said bar; rectangular shank W; cylindrical projection D' formed integral with said pin B, and adapted to be interchangeably used in connection with a handle or bit-stock; handle V detachably secured to said cylindrical projection D'; knife F provided with screw-threaded shank I; clamping-nuts H and H' having screw-threaded bearings on said shank, and adapted when turned toward each other, to impinge upon said supporting-bar and hold said knife in place; and handle Q, substantially as and for the purpose specified. 50 55 60

3. In a gasket-cutter, the combination of the supporting-bar A provided with the slot K; pin B adjustably secured to said bar; rectangular shank W and cylindrical projection D' formed integral with said pin B, and adapted to be interchangeably used with a handle or bit-stock; handle V detachably secured to said cylindrical projection D'; knife F provided with a screw-threaded shank I; clamping-nuts H and H' having screw-threaded bearings on such shank, and adapted to impinge upon said supporting-bar and hold said knife in place; handle Q; knife J provided with screw-threaded shank M; opposing clamping-nuts L operating on said shank, and adapted to impinge the respective upper and lower surfaces of said bar, and hold said knife in place, all substantially as and for the purpose specified. 65 70 75

In testimony whereof I affix my signature in the presence of two witnesses. 80

JOSEPH F. AUSTEN.

Witnesses:

JAS. B. ERWIN,  
LEVERETT C. WHEELER.