

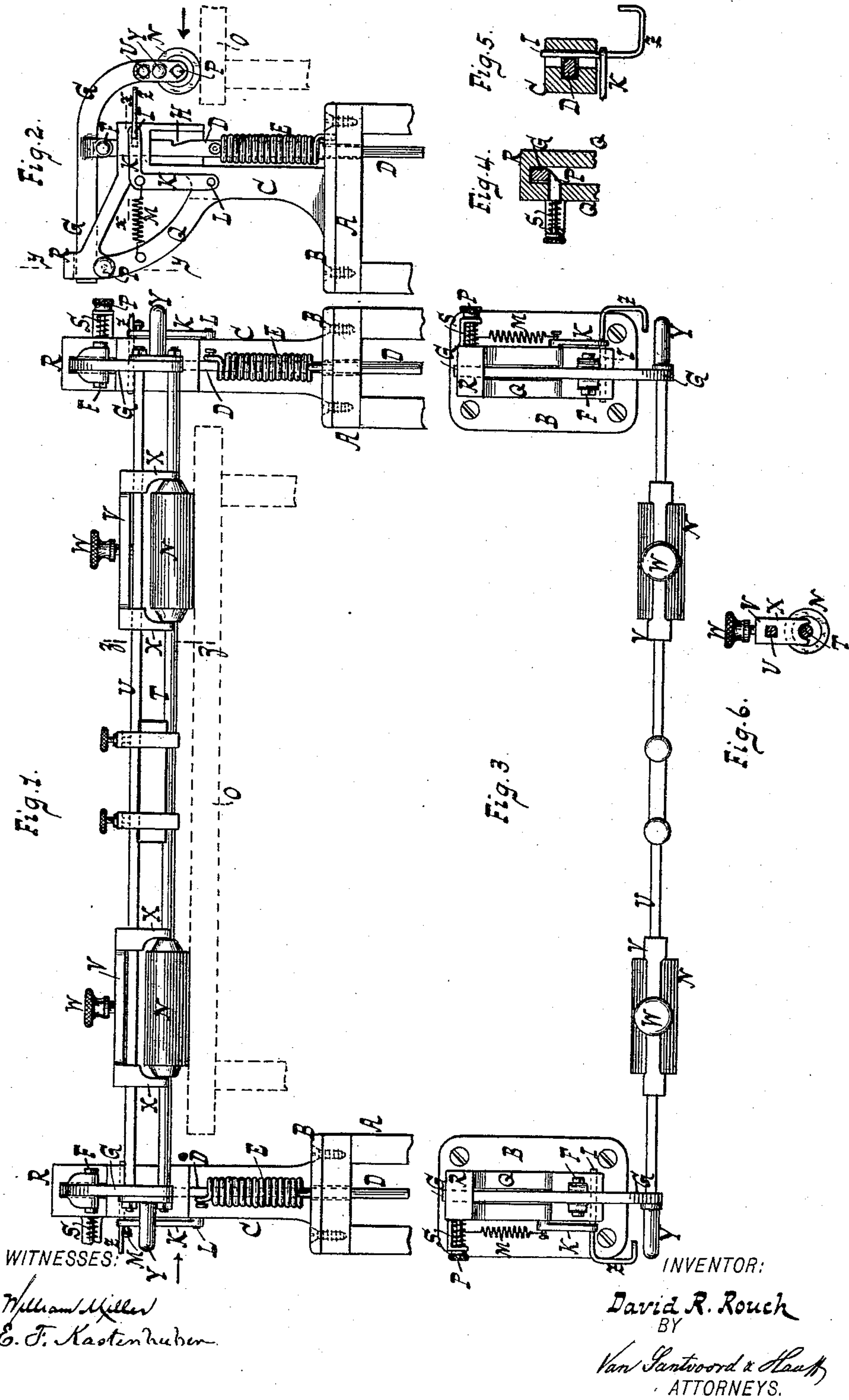
(No Model.)

D. R. ROUCH.

DEVICE FOR HOLDING LINING OR OTHER MATERIALS FOR CUTTING.

No. 491,026.

Patented Jan. 31, 1893.



UNITED STATES PATENT OFFICE.

DAVID R. ROUCH, OF YONKERS, NEW YORK.

DEVICE FOR HOLDING LINING OR OTHER MATERIALS FOR CUTTING.

SPECIFICATION forming part of Letters Patent No. 491,026, dated January 31, 1893.

Application filed October 27, 1892. Serial No. 450,160. (No model.)

To all whom it may concern:

Be it known that I, DAVID R. ROUCH, a citizen of the United States, residing at Yonkers, in the county of Westchester and State of New York, have invented new and useful Improvements in Devices for Holding Lining and other Materials During Cutting, of which the following is a specification.

This invention relates to an improvement in devices for holding linings and other material in proper position during cutting and which allows the material to be readily put in position for cutting and the invention consists in the novel features pointed out in the following specification and claims and illustrated in the annexed drawings in which

Figure 1 is a front elevation of the device. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is a plan view of Fig. 1. Fig. 4 is a section along *yy* Fig. 2. Fig. 5 is a section along *xx* Fig. 2. Fig. 6 is a section along *zz* Fig. 1.

In the drawings the letters A A indicate tables or supports to which are secured the base plates B from which rise standards C. The rods or bars D are capable of vertical movement and are forced or held downward by springs E. These movable rods D support pivots or joints F on which swing arms G. By forcing or pulling the rods D upward until their notches H are engaged by catches I the rods D will be held raised. The catches I extend from levers K fulcrumed at L to standards C and springs M tend to draw the catches I into the notches H to lock the rods D in their raised position. When the rods D are thus elevated and locked the front ends of the arms G at which the pressure rollers N are located will be raised. The rollers N can thus be raised from the table O so that the material to be operated on can be properly placed on the latter. The rear ends of the levers G are held up by catches or locks P on the forked or channeled extensions Q in which the rear ends of arms G play or move. The forks Q extend from the standards C and are closed or bridged at R so as to limit the upward movement of the rear ends of arms G. When the catches P are withdrawn against the action of spring S the rear ends of arms G can descend thus allowing the front ends with the

rollers N to rise. The rollers N can thus be raised by the downward swing of the rear ends of arms G as well as by elevating the pivots F so that said rollers N can be raised far enough away from table O to allow the operator to lean over or reach along the same when spreading the material thereon. The rollers N rotate on shaft T supported at the front ends of arms G. Said rollers are adjustable along the shaft as will be presently explained.

A rod U is fixed to the arms G in proximity to the shaft T. On this rod U are slides V which can be fixed at any suitable point on the rod by means of a set screw W. From the slides extend arms X which straddle the rollers N so that as the slides with their arms X are set along the rod U the rollers N will be brought nearer together or farther apart as required by the width of the material.

When the material is properly spread on the table O the catches I are released or drawn out of notches H so that the rods D are drawn or forced down by the springs E. At the same time the rear ends of arms G are forced up so as to push back the catches P which have an inclined face like a door catch. When the rear ends of arms G have passed the catches P their springs S force them to the locking position so that the rear ends of arms G are held between the catches P and the bridges R. The rollers N are thus held firmly upon the material on table O so that as said material is cut away and drawn forward it will remain flat on the table.

I have found the device useful in cutting the lining for boot and shoe soles from material held flattened on table O by the rollers N but of course my device is not limited in use to the cutting of shoe sole linings as it can be used in the cutting of other articles. The arms G can be raised by handles Y when required until the catches I engage and hold in the notches H and the catches P can be withdrawn by hand to allow the rear ends of arms G to swing downward. The handles Y are readily mounted on the projecting ends of shaft T and rod U and held thereon by nuts. The outer ends of catches I may be extended to form handles Z in proximity to handles Y

so that the handles Y Z can be grasped simultaneously. The handles Z would serve to release or unlock the catches I.

What I claim as new and desire to secure by Letters Patent is:

1. The combination with a table O, of rising and falling supports provided with pivots F, swinging arms G mounted on said pivots and adapted to oscillate thereupon, and a shaft T provided with pressure rollers N and carried by said swinging arms, substantially as described.
2. The combination with a table or support O of pressure rollers N adapted to act on the table, supporting arms for said rollers movable pivots for the arms and catches for holding the pivots elevated, substantially as described.
3. The combination with a table or support O of pressure rollers N adapted to act on the table supporting arms for said rollers, movable pivots for said arms, springs for holding down said pivots, and catches for holding the pivots raised against the action of the springs, substantially as described.
4. The combination with a table or support O, of pressure rollers adapted to act on the table, supporting arms for said rollers, movable pivots for said arms, springs for holding down said pivots, catches for holding the piv-

ots raised against the action of the springs, and a detachable holder or catch P for the rear end of each arm, substantially as described.

5. The combination with a table or support O of pressure rollers adapted to act on the table supporting arms for said rollers movable pivots for said arms springs for holding down said pivots, forks for guiding the rear ends of the arms and provided with bridges or stops R for limiting the upward movement of the rear ends of the arms and detachable catches P for holding up the rear ends of the arms, substantially as described.

6. The combination with a table O of pressure rollers adapted to act on the table, a shaft T on which said rollers are adjustably mounted, arms for supporting said shaft and movable pivots or joints for the arms, said arms being provided with a rod U and slides adjustably mounted on the rod and adapted to engage the rollers for setting the latter along their shaft, substantially as described.

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

DAVID R. ROUCH.

Witnesses:

WM. C. HAUFF,

E. F. KASTENHUBER.