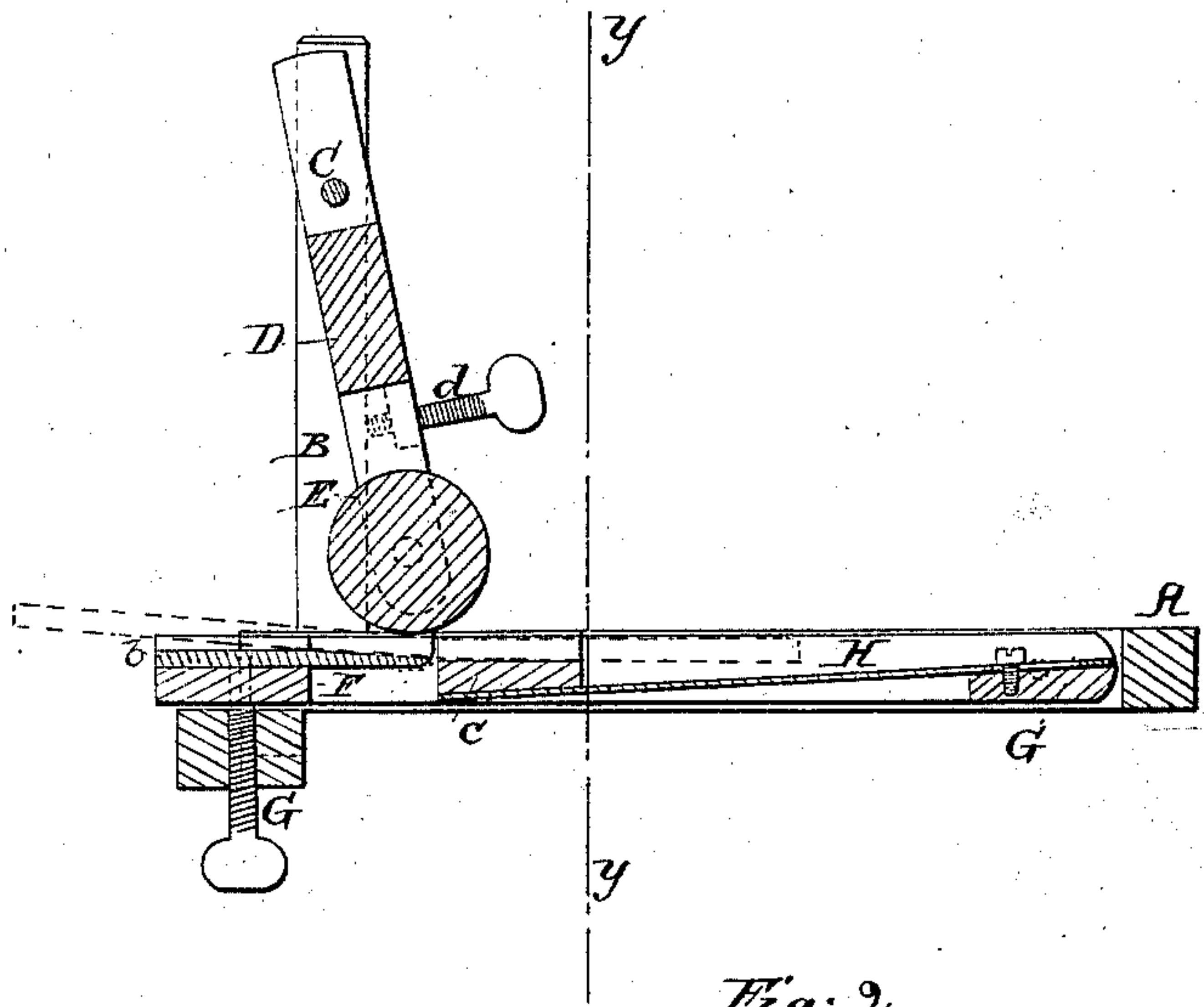
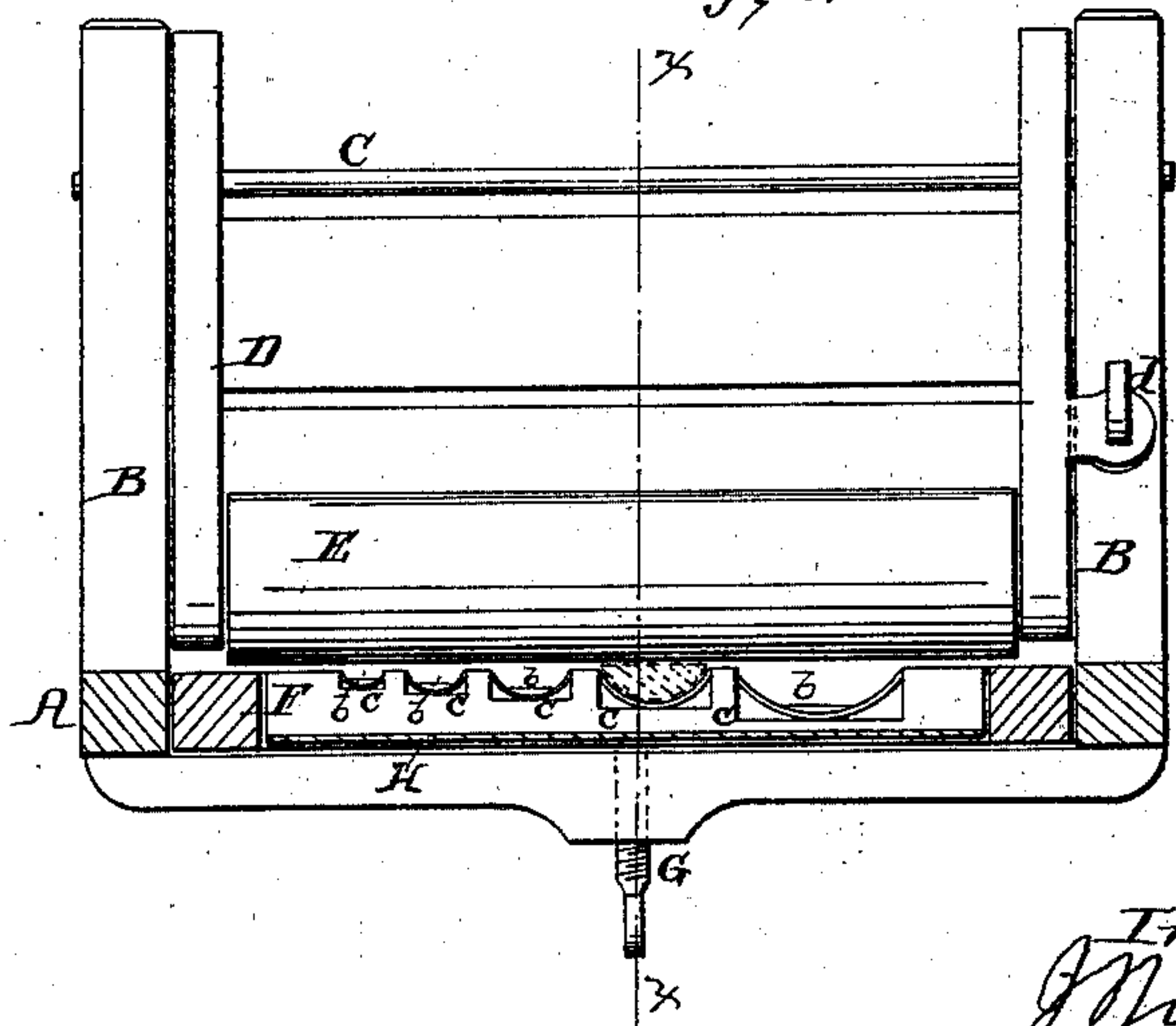


J. Wehr,
Cutting Leather,
N^o 49,159. Patented Aug. 15, 1865.

Fig; 1.



Fig; 2.



Witnesses;
Wm. Owen
Thos. Tuel

Inventor;
J. Wehr
By Munk
Att'y

UNITED STATES PATENT OFFICE.

JOHN WEHR, OF ROANOKE, INDIANA.

IMPROVED MACHINE FOR CUTTING HARNESS-LEATHER.

Specification forming part of Letters Patent No. **49,459**, dated August 15, 1865.

To all whom it may concern:

Be it known that I, JOHN WEHR, of Roanoke, in the county of Huntington and State of Indiana, have invented a new and Improved Machine for Cutting Filling for Raised or Rounded Harness; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal vertical section of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention consists of a series of bits placed in an adjustable frame and a series of guides placed in a yielding frame, the above parts being used in connection with a pressure-roller, and all arranged to admit of leather being cut in rounded form, to serve as filling for rounded or raised straps for harness.

A represents a rectangular frame, which is secured horizontally to a bench or any suitable support; and B is an upright, secured to each side of said frame, and having a rod, C, passing horizontally through their upper parts, on which rod a frame, D, is suspended loosely, having a roller, E, at its lower end.

F is a rectangular frame, which is fitted in the frame A, and works on pivots *a* at one end, the opposite end of F resting on a set-screw, G, and having secured to it a series of bits or cutters, *b*, of gouge form and of different sizes. (See Fig. 2.)

H represents an elastic plate, which serves as a yielding frame for a series of guides, *c*, which correspond in size to the bits or cutters, and are in line with them.

The roller E is above the bits and guides, and the leather strip (shown in red) to be cut is placed in a guide, *c*, the one switch, or corresponding to its width, and is drawn through by hand underneath the roller E and over the bit or cutter *b*, which is in line with the guide and corresponds with it in width, said bit or cutter cutting the leather strip of rounded form in its transverse section.

The roller E, by means of a set-screw, *d*, which passes through one side of the frame D and bears against one of the uprights B, may be adjusted to suit the thickness of the leather to be cut, while the yielding plate H admits of the guides *c* adjusting themselves to the inequalities of the strip, causing it to be cut of an equal or uniform thickness throughout.

The frame F, by means of the set-screw G, may be adjusted higher or lower, as occasion may require.

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

The yielding guides *c* and the adjustable bits or cutters *b*, in combination with the pressure-roller E, all arranged to operate substantially in the manner as and for the purpose herein set forth.

JOHN WEHR.

Witnesses:

C. B. RICHART,
J. B. BRYSON.