

C. Baeder,
Cutting Leather.

N^o 11,854.

Patented Oct. 31, 1854.

Fig. 1.

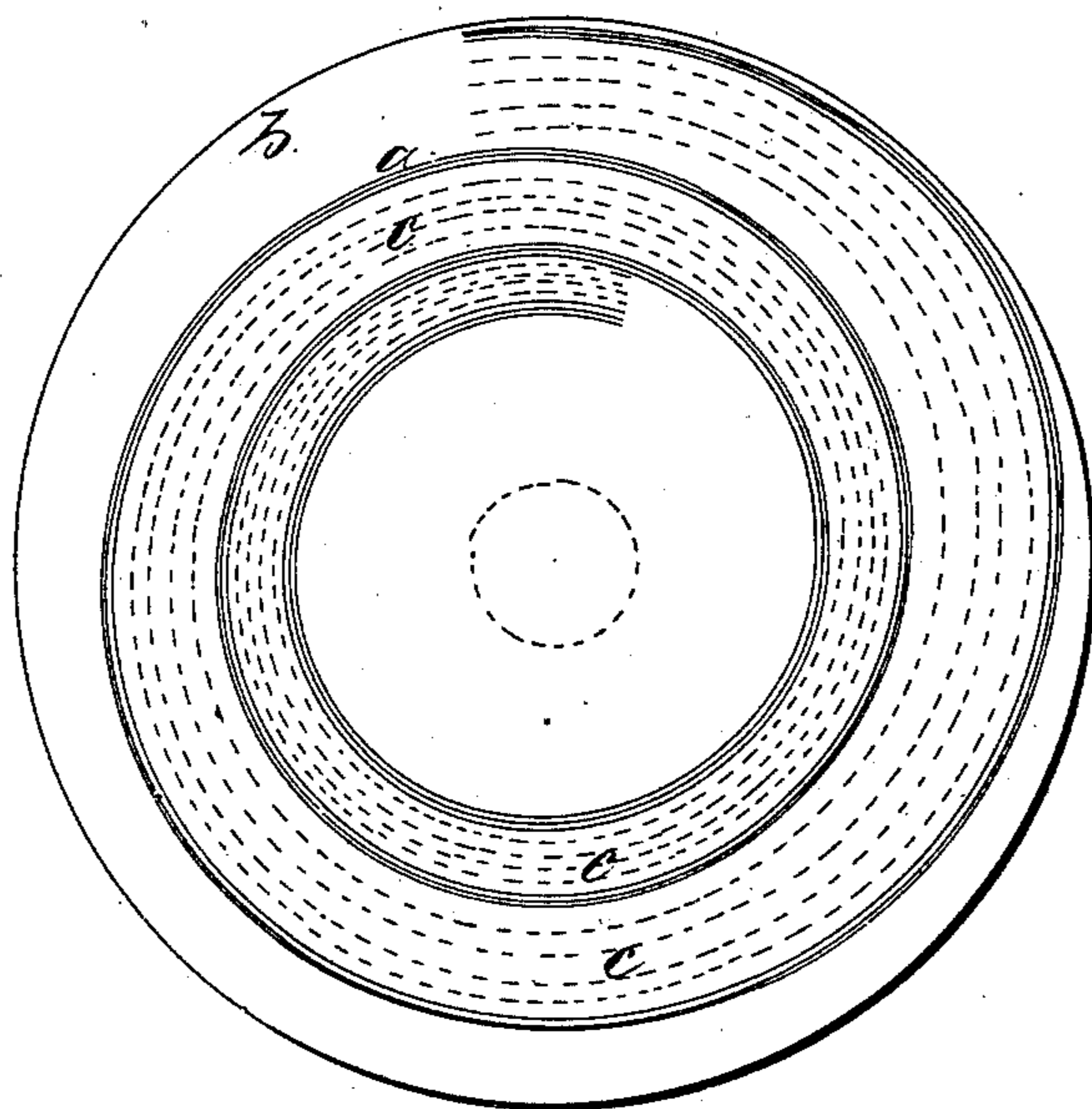
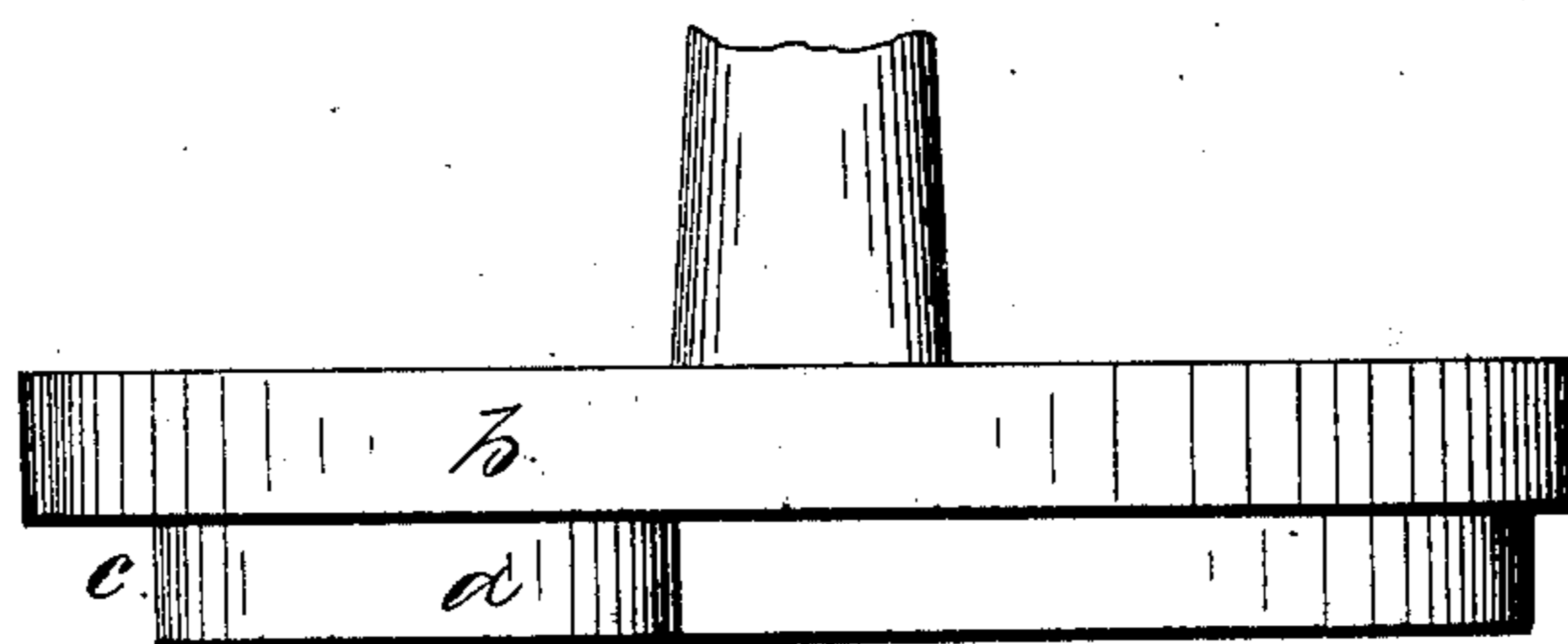


Fig. 2.



UNITED STATES PATENT OFFICE.

CHARLES BAEDER, OF NEW YORK, N. Y.

KNIFE-DIE FOR CUTTING LEATHER STRAPS FOR WHIPS.

Specification of Letters Patent No. 11,854, dated October 31, 1854.

To all whom it may concern:

Be it known that I, CHARLES BAEDER, of the city, county, and State of New York, have invented a new and useful Improvement in the Mode of Cutting Gradually-Tapering Strips of Raw and Tanned Hide for Manufacturing Whips; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, forming part of this specification.

The usual mode of cutting raw and tanned hide into gradually tapering strips for manufacturing whips, is by means of a common knife applied to the hide or skin placed upon a table; the hide being the length of the required strip. This mode of cutting renders the production of several strips of the same size and taper exceedingly difficult, as there is no guide but the hand and eye. It also causes considerable waste of material, and renders the production of strips of greater length than the hide impossible.

My invention is designed to remove the disadvantages above named and others not specified. I employ a die upon which is the knife resembling in form a coiled watch spring or volute, the coiled space between the cutting edges d , gradually widening from near the center of the die to the periphery of the same, so that the strip filling them will have the required width and ta-

per. The cutter is made of the best steel and properly secured in a metallic plate by means of grooves and screws, or by soldering or other suitable means, the length of the cutter determining the length of strip to be cut.

The operation of this knife-die is as follows: The material to be cut is forced against the knife by a roller of wood or metal covered with raw hide, lead or any suitable material which will not injure the protruding edge of the cutter with which it comes in contact; or, the hide may be placed upon a suitable block and the knife-die forced through it by lever or screw power, or by a blow. The effect being in either case to force the knife through the leather or hide and cut from it at a single operation or cut a strip of the required length and taper; all strips cut by the same knife-die being of exactly the same dimensions.

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

The use of the spiral knife-die, to cut gradually tapering strips of leather, for the manufacture of raw-hide and braided whips, substantially as hereinbefore set forth.

CHARLES BAEDER.

Witnesses:

WM. P. ELLIOT,
JOHN L. SMITH.