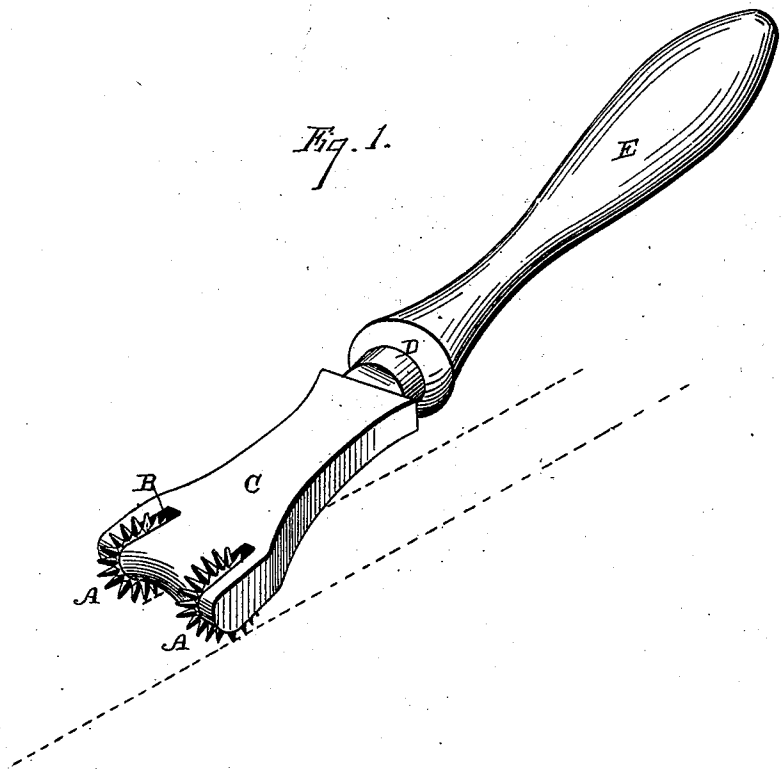
D. W. MOODY.
Tracing-Wheel.

No. 226,622. Patented April 20, 1880.

Fig. 1.



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UNITED STATES PATENT OFFICE.

DANIEL W. MOODY, OF SAN FRANCISCO, CALIFORNIA.

TRACING-WHEEL.

SPECIFICATION forming part of Letters Patent No. 226,622, dated April 20, 1880.

Application filed January 19, 1880.

To all whom it may concern:

Be it known that I, DANIEL W. MOODY, of the city and county of San Francisco, and State of California, have invented an Improved Tracing-Wheel; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to an improved device known as a "tracing-wheel," and which is intended to be used in marking the outlines of patterns for dress and cloak making, and for other similar purposes; and it consists in the employment of two parallel toothed or star wheels supported within a suitable bed or frame upon axes which are continuous or in line, so that when one of the wheels is made to traverse the desired pattern the other will form a line upon which the goods are to be cut, so as to give the necessary width for the seam.

Referring to the accompanying drawing for a more complete explanation of my invention, Figure 1 is a view of my device.

The use of what are known as "tracing-wheels," for the purpose of marking or tracing thin patterns upon a surface of cloth or other material, is common, these wheels consisting of a single star having sharp points and turning upon an axle properly supported in a frame with a handle for convenience. When a pattern has been traced by this wheel it is necessary to mark out a line for cutting, which must be at such a distance from the pattern-line as will insure sufficient material to form the seam. This is either done in an irregular manner, without measurement, or sometimes by careful measurements at frequent intervals and marking to indicate the points and guide the cutter.

My invention consists of two star or sharp-toothed wheels, A A, set in corresponding channels or grooves B in the frame or block C. The axles of these wheels are placed nearly or quite in line, or they may be formed of a continuous pin screwed or riveted into the frame, as shown. The frame is made of steel, iron, brass, or any suitable material, and terminates in a shank, D, and a handle, E, by which the device is operated.

The handle, shank, and frame may in some cases be all formed in one piece of malleable iron or brass, if desired.

The wheels A are fixed at such a distance apart that when one is caused to traverse the line of the pattern the other will form a parallel mark at a constant distance outside of the pattern-line, so that it will give a line by which to cut.

The distance between the wheels might be made adjustable, if desired; but I have found that in practice a fixed distance of about five-eighths of an inch will give the proper width for all seams.

By this device a simple and effective method is provided for the simultaneous outlining or tracing of a pattern upon the goods, and also of an exterior cutting-line, which will always be symmetrical and at an equal distance from the pattern-line.

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

A device for the simultaneous tracing of patterns and an exterior cutting-line, consisting of the parallel star or sharp-toothed wheels A A, mounted to rotate upon axles within the frame or support C, and provided with the handle E, substantially as herein described.

In witness whereof I have hereunto set my hand.

DANIEL W. MOODY.

Witnesses:

GEO. H. STRONG,

S. H. NOURSE.