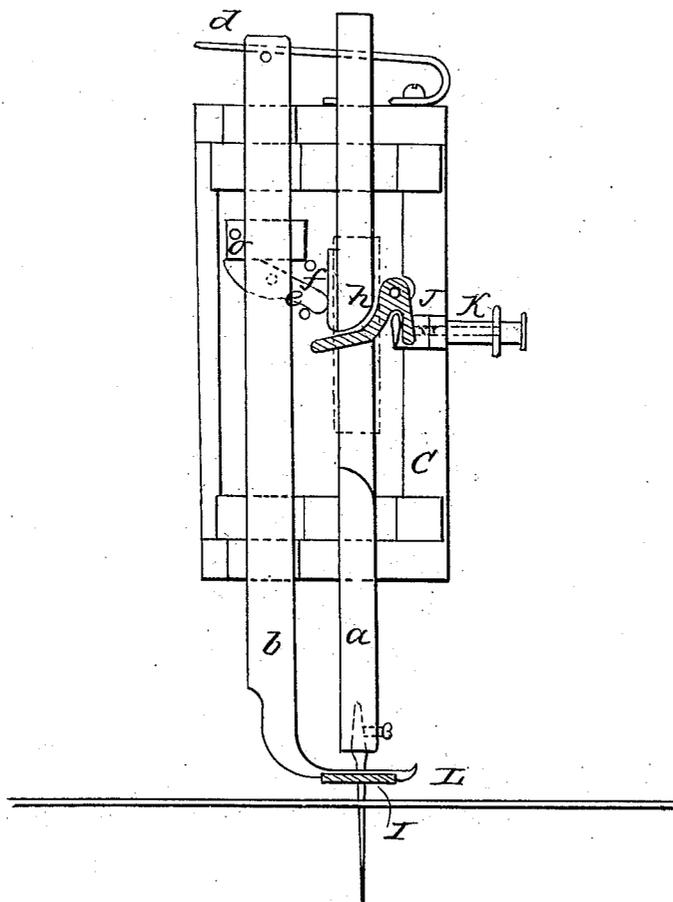


R. M. BERRY.
Sewing Machine.

No. 22,225.

Patented Dec. 7, 1858.



INVENTOR
Robert M. Berry

UNITED STATES PATENT OFFICE.

ROBERT M. BERRY, OF NEW YORK, N. Y.

IMPROVEMENT IN SEWING-MACHINES.

Specification forming part of Letters Patent No. **22,225**, dated December 7, 1858.

To all whom it may concern:

Be it known that I, ROBERT M. BERRY, of the city, county, and State of New York, have invented new and useful Improvements in Sewing-Machines, which consist in the application and peculiar combination of a smooth feeding-surface of cork or its equivalent, with a smooth bed-plate or table, so as to operate upon or over the table by a peculiar arrangement of mechanism, hereinafter described, whereby I am enabled to feed the cloth between two smooth surfaces of unequal adhesive qualities in a regular and accurate manner.

That others may have the benefit of my invention, I proceed to give a full, clear, and exact description of its construction and operation, reference being had to the accompanying drawing and letters of reference thereon, and making part of the same.

The drawing shows a front view of all the parts necessary to enable others skilled in like arts to make and use the same.

a, b, c, d, e, f, and *g* are all described in my Letters Patent of July 6, 1858.

h is a double-acting cam-lever.

I is a smooth piece of cork-wood, made fast to the under surface of *b*; and *L* is a smooth brass table or plate.

J is a niche in which the short end of lever *h* is held, and *k* is a set-screw by which the extent of action of *h* is controlled.

The drawing represents the needle-bar *a* down to its full extent; and *I*, the smooth but adhesive feed-surface, is thrown up and back to its full extent. As the needle bar *a* rises the feed-bar *b*, including the feed-foot *I*, is re-

lieved from *e* and *f*, and pressed down by *d* until *I* is firmly held upon and against the cloth or other material intervening between the adhesive smooth surface *I* and smooth surface *L* on which the material glides, and as the needle-bar *a* ascends farther it reverses the position of the double cam-lever *h*, and the consequent action therefrom is to throw *I* with its smooth adhesive feed-surface forward, through the media of *c* and *b*, drawing forward with it the material to be sewed, ready for a new and succeeding stitches.

In this descriptive specification of my manner of obtaining feed-power I have only described the smooth brass and smooth cork surfaces; but sufficient power can be obtained upon this principle and arrangement of mechanism by the combination of any two materials of like diverse adhesive qualities.

It is obvious that the movements of the feeding-surface *I*, when operated by the mechanism described, will necessarily be, first, downward, then forward, then upward, then backward to the place of beginning, which operation is fully described in my Letters Patent referred to.

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

The combination and arrangement of the feeding-foot *L*, of cork or its equivalent, with the peculiar feeding mechanism described or its equivalent, operating in the manner substantially as and for the purpose specified.

ROBT. M. BERRY.

Witnesses:

WILLIAM T. GRAFF,
GEO. W. RAMSAY.