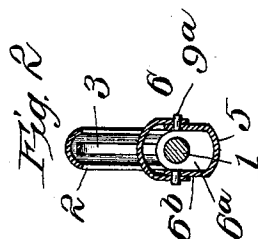
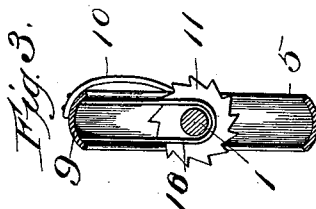
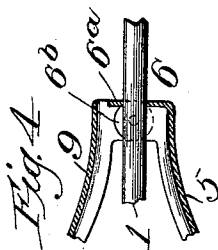
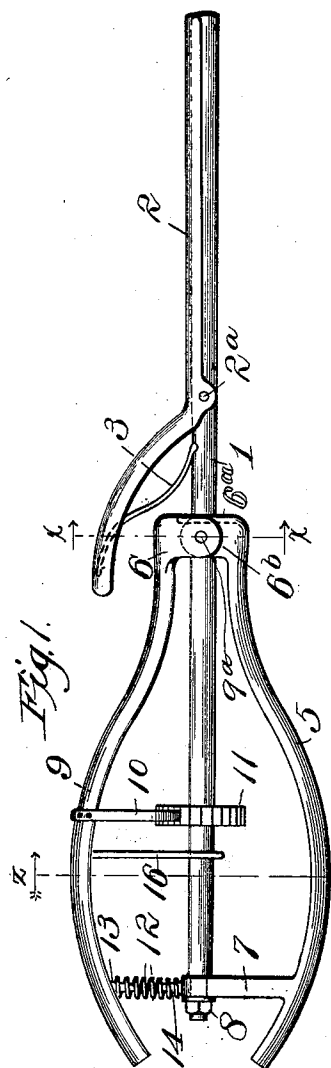


(No Model.)

C. F. SNYDER.
CURLING IRON.

No. 520,903.

Patented June 5, 1894.



Witnesses:

J. P. Cornwall
Hugh H. Wagner.

By

Inventor:
Charles F. Snyder,
Paul Bakewell
Atty.

UNITED STATES PATENT OFFICE.

CHARLES F. SNYDER, OF ST. LOUIS, MISSOURI, ASSIGNOR TO HOWARD B. STOUT AND CHARLES F. STOUT, OF CHICAGO, ILLINOIS.

CURLING-IRON.

SPECIFICATION forming part of Letters Patent No. 520,903, dated June 5, 1894.

Application filed June 24, 1893. Serial No. 478,705. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. SNYDER, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have
5 invented a certain new and useful Improvement in Curling-Irons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification,
10 wherein like symbols of reference refer to like parts wherever they occur, and in which—

Figure 1 is a side elevational view of my improved curling iron. Fig. 2 is a sectional view on line X—X, Fig. 1, looking in the direction of the arrows. Fig. 3 is a similar view
15 taken on line Z—Z Fig. 1, looking in the direction of the arrows. Fig. 4 is a detail view, partly in elevation, of the hinge joint of the operating or pivoted handle.

This invention relates to a new and useful improvement in curling irons, as they are called, and consists in the combination with a pair of curling tongs comprising a rod and pivoted jaw, of a handle in which said rod is
25 revolubly mounted, a twin handle pivoted on the first-named handle, a ratchet on the rod, a spring pawl on the pivoted handle which normally engages the ratchet wheel on the rod, and which, when the handle is actuated,
30 rotates the ratchet wheel and rod in one direction only, and a spring for forcing said handle out.

Other features of invention reside in the peculiar construction, arrangement, and combination of the several parts, all as will hereinafter be more fully described and afterward
35 pointed out in the claims.

In the drawings, 1 indicates the rigid jaw, circular in cross-section, as shown, upon which
40 is pivoted, at 2^a, the clamping jaw 2, which is concavo-convex in cross-section, adapting it to fit closely against the rigid jaw 1, and tightly clasp or bind the hair therebetween. A spring 3 is placed beneath the handle of
45 this pivoted jaw and tends at all times to maintain close relation between the parts. This rigid jaw or rod 1, is mounted in bearings formed on a handle piece 5, in which it is adapted to turn. The forward bearing 6
50 consists, as shown, in an upturned piece 6^a which has an opening formed therein for the

rod, while the rear bearing 7 has an opening of less diameter than the rod 1, which is reduced at this point to fit in said opening, its end being threaded to receive a nut 8 which
55 holds the rod in position against longitudinal movement. Pivoted to the bearing 6, on the side wings 6^b by the pins 9^a, is a twin handle 9, which is provided with a pawl 10 engaging the ratchet 11, rigidly mounted on the rod 60 1, through the medium of which pawl and ratchet, when the handle 9 is operated, the rod 1 is rotated, carrying with it the pivoted jaw 2.

In order to return the twin handle to its
65 normally outer position after compression, I arrange under the outer end, a compression spring 12, which is retained in place by the lugs 13 and 14 on the under side of the handle 9, and the upper end of the bearing 7, respectively. In order to prevent an outward
70 movement of the twin handle, to such an extent that it would permit the spring 12 to become unseated, I provide the handle with a loop or link 16, which extends down under
75 the rod 1, against which the loop comes into contact and acts as a stop to limit the outward thrust exercised by the spring 12 thereupon.

I am aware that many minor changes in
80 the construction and arrangement of the several parts of my device, can be made and substituted for those herein shown and described, without in the least departing from the nature and principle of my invention.

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

1. In combination with a pair of curling tongs, comprising a rod and pivoted jaw, of
90 a handle in which said rod is revolubly mounted, a twin handle pivoted to the first-named handle, a ratchet wheel fixedly mounted on the rod, a spring pawl on the pivoted handle which normally engages the ratchet wheel on
95 the rod, whereby, when the pivoted handle is actuated, the pawl and ratchet wheel with which it engages, operates the rod in one direction only, and a spring for forcing said handle out, substantially as described.

2. In a curling iron, the combination with
100 the rod and pivoted jaw, of a handle in which

said rod is mounted, a ratchet wheel fixedly mounted on the rod, a spring pawl mounted on the pivoted handle, which pawl normally engages the ratchet wheel to operate the rod in one direction only when the pivoted handle is actuated, a spring for forcing the pivoted handle out, and means for limiting the outward movement of the pivoted handle imparted by the thrust of the spring, substantially as described.

3. In a curling iron, the combination with the rod and its pivoted jaw, of a handle in which said rod is revolubly mounted, a nut on the end of the rod to prevent its longitudinal movement, a twin handle pivoted upon the first-mentioned handle, a ratchet wheel rigidly mounted on the rod, a spring pawl carried by the pivoted handle which normally engages the ratchet wheel to operate the rod, a spring interposed between the two handles, and a loop extending from the pivoted handle and surrounding the rod for preventing said

handle from moving outwardly too far, substantially as described.

4. The combination with a pair of curling tongs, the rod forming one tong of which being extended rearwardly and revolubly journaled in bearings mounted on a handle-piece 5, of a twin handle 9 pivoted at the end of the handle-piece 5, a ratchet-wheel 11 rigidly mounted on the tong rod, and a spring pawl 10 mounted on the pivoted handle 9, which pawl normally engages the ratchet-wheel 11 on the tong rod and rotates the same in one direction only when the handle 9 is compressed, substantially as described.

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 21st day of June, 1893.

CHARLES F. SNYDER.

Witnesses:

F. R. CORNWALL,
HUGH K. WAGNER.