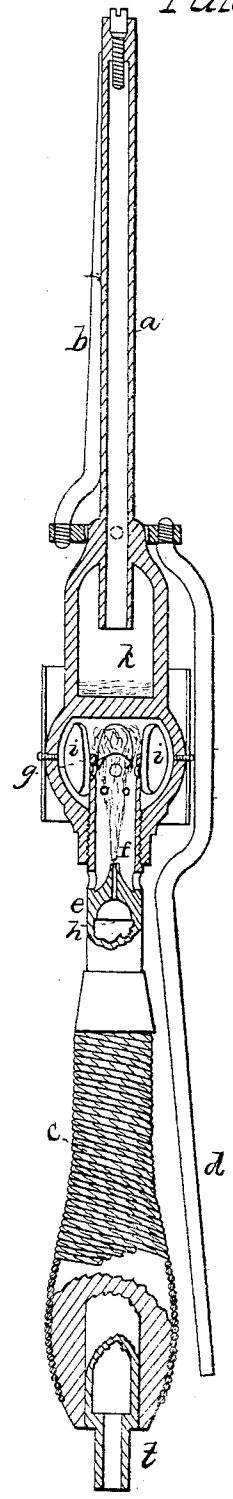
H. S. Maxim
Hair Curler

No. 57354. Patented Aug. 21. 1866



Witnesses.

S. W. Hidden
M. M. Frothingham.

Inventor.

H. S. Maxim
by his Attys.
Crosby & Gould

UNITED STATES PATENT OFFICE.

HIRAM S. MAXIM, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN IRONS FOR CURLING HAIR.

Specification forming part of Letters Patent No. **57,354**, dated August 21, 1866.

To all whom it may concern:

Be it known that I, H. S. MAXIM, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Hair-Curling Instrument; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The invention relates to a novel means for heating the well-known curling iron or tongs used by hair-dressers for curling hair; and it consists in combining with and so as to form part of such instrument a burner or tube through which gas or other inflammable fluid is burned while the instrument is being used, whereby the curling-iron may be kept constantly and uniformly heated; also, in combining with such an instrument, made with a gas or other burner, a steam-generating chamber, arranged in such manner that the curling-tube may be heated by the circulation of steam.

The drawing represents, partly in central section and partly in elevation, an instrument embodying my invention.

a denotes the curling-iron or heater; *b*, a rod or jaw, which, in connection with the heater *a* and the handle *c d*, may make up a pair of tongs.

In the shank *e* is placed a tube or burner, *f*, opening into a flame-chamber, *g*, to which air for support of combustion enters through opening *i*. This tube extends up from a gas or fuel chamber, *h*, which chamber may be a reservoir for containing alcohol or other fluid to be inflamed at the mouth of burner *f*, or may be (as seen in the drawing) a chamber for reception of inflammable gas, the chamber extending through the handle and having an extension, *l*, for attachment of a flexible gas-tube to be applied to a common gas-burner, as will be readily understood.

The heat from the flame impinging directly against the roof of the flame-chamber may, by simple conduction, be made to heat the rod *a*, which for this purpose may be made either solid or hollow. I prefer, however, to make a steam-generating chamber, *k*, above the flame-chamber, making the rod *a* hollow, so that by placing water or other fluid in the chamber *k* steam evolved by the heat from the flame will circulate through the heater or tube *a*, and will thus keep the tube at the requisite heat.

It will be obvious that by using an instrument of this construction, combining directly with the curling iron or rod the source of its heat, the trouble and annoyance attending the heating of an iron in a stove or lamp and the cooling of the same while being used are avoided, no attention being required after once lighting the flame at the burner, no change of instrument being necessary, and the curling-tool being kept uniformly and constantly heated.

I claim—

1. In combination with a hair-curling iron or rod, and so as to form part thereof, a flame burner and chamber and a fuel or gas chamber for heating the iron or rod, substantially as described.

2. In combination with the flame-chamber and curling-rod, the steam-generating chamber arranged to operate substantially as set forth.

HIRAM S. MAXIM.

Witnesses:
F. GOULD,
J. B. CROSBY.