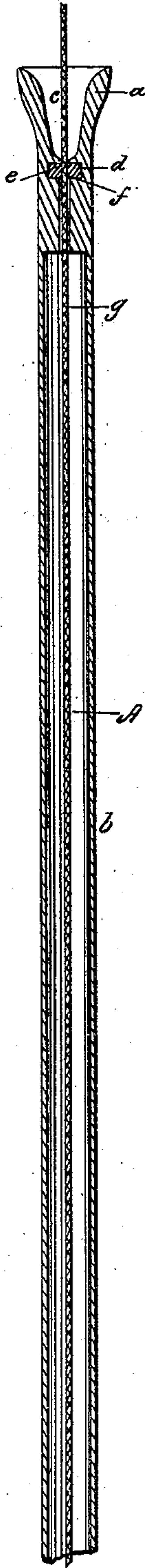


H. RYDER.

Tubular Plunger for Candle Molding.

No. 59,460.

Patented Nov. 6, 1866.



Witnesses:

Samuel A. Piper.
George Andrews.

Inventor:

Henry Ryder.

by his attorney.

R. W. Hddy.

UNITED STATES PATENT OFFICE.

HENRY RYDER, OF NEW BEDFORD, MASSACHUSETTS.

IMPROVEMENT IN TUBULAR PLUNGERS FOR CANDLE-MOLDS.

Specification forming part of Letters Patent No. **59,460**, dated November 6, 1866; antedated July 18, 1866.

To all whom it may concern:

Be it known that I, HENRY RYDER, of New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in the Tubular Plungers of Candle-Molds; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, which is a longitudinal section of such plunger as provided with my invention.

Such invention consists in constructing the foot of the tip-mold or head of the plunger with an elastic expansive passage or mouth for reception of the wicking. This mouth I usually make of vulcanized caoutchouc.

One object of it is to prevent the paraffine, or other material of which the candle is composed, when in a liquid state, from bursting through the mouth.

Another object of it is to enable the wicking to be drawn through the mouth without being clogged therein by a knot or enlargement in the wicking.

In the drawing, A denotes the plunger, of which *a* is the head, and *b* the shank, the latter being a tube. The head has a matrix, *c*, in it, for giving form to what is termed the "tip" of a candle. At the lower part of such matrix, or in a suitable chamber or socket, *d*, made thereat, I place a block, *e*, of india-rubber or its equivalent, provided with a hole or perforation, *f*, through its center, for reception of the wicking *g*, such being to fit closely to the said wicking, and so as to expand while a knot or enlargement of the wicking is in the act of being drawn into the said mouth.

I claim—

The candle-mold plunger provided with the elastic or expansive mouth-piece *c*, arranged within it or with respect to its tip-matrix, substantially as specified.

HENRY RYDER.

Witnesses:

L. S. JUDD,
WILLIAM F. GIFFORD.