DOVER
SOLDERING IRONS
Electric

Vea Heating Element

THE big, essential fact about the Dover Soldering Iron is that the copper soldering point is directly connected with that famous and unbelievably perfect heating element which is revolutionizing electric heating practices — the Vea Heating Element, controlled absolutely and exclusively by us.

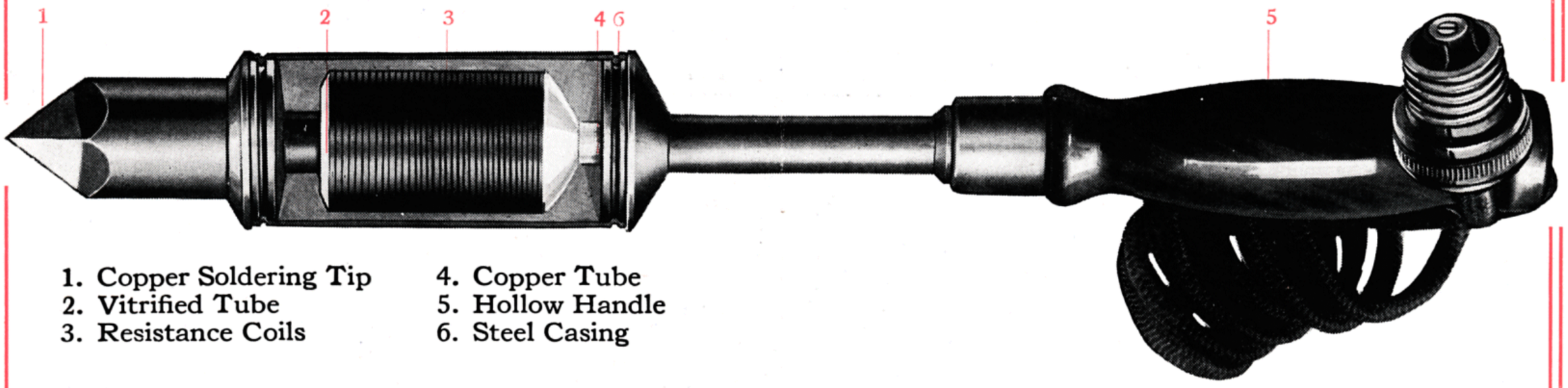
The Vea Heating Element is a non-conductor of electricity and conducts heat as readily as cast-iron. It is made in an electric furnace at approximately a temperature of 5,000 degrees.

General Construction

A flanged copper core runs the full length of the heating element. The resistant coils are wound around a thin, vitrified clay tube. The Vea insulating material is forced in between the vitrified tube and the copper core, and between the coils and the steel casing, under tremendous hydraulic pressure. This absolutely prevents short-circuiting or burning out in the coils, making them indestructible, and gives a full and complete use of all the heat developed in the coils.

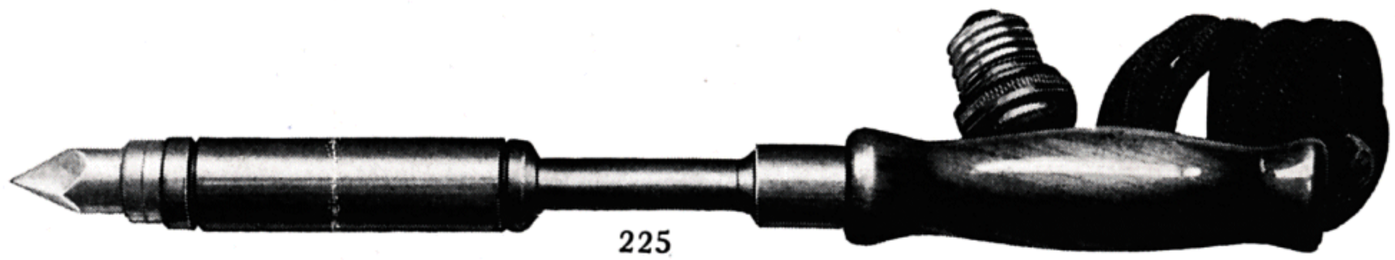
The entire heating element is permanently sealed in a steel casing. It is impossible for anyone to injure the iron by ignorant tampering.

It Uses All the Heat—Can't Burn Out



1. Copper Soldering Tip
2. Vitrified Tube
3. Resistance Coils
4. Copper Tube
5. Hollow Handle
6. Steel Casing

VEA NO-BURN-OUT VEA
HEATING ELEMENT
REG. U. S. PAT. OFF.



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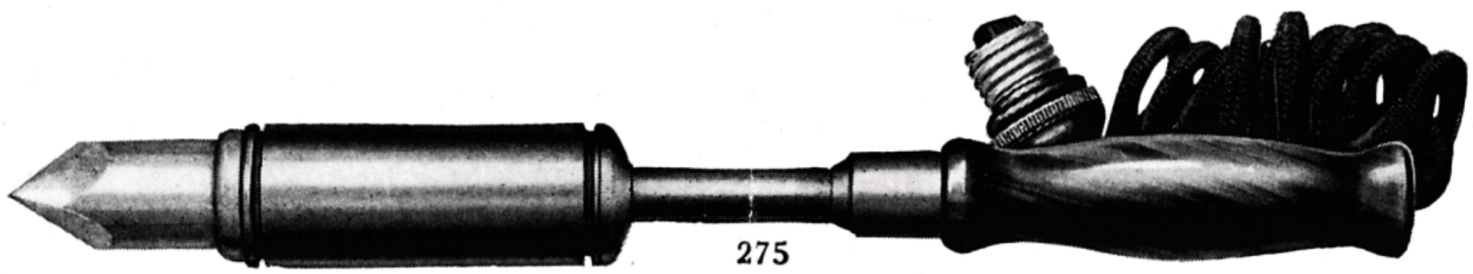

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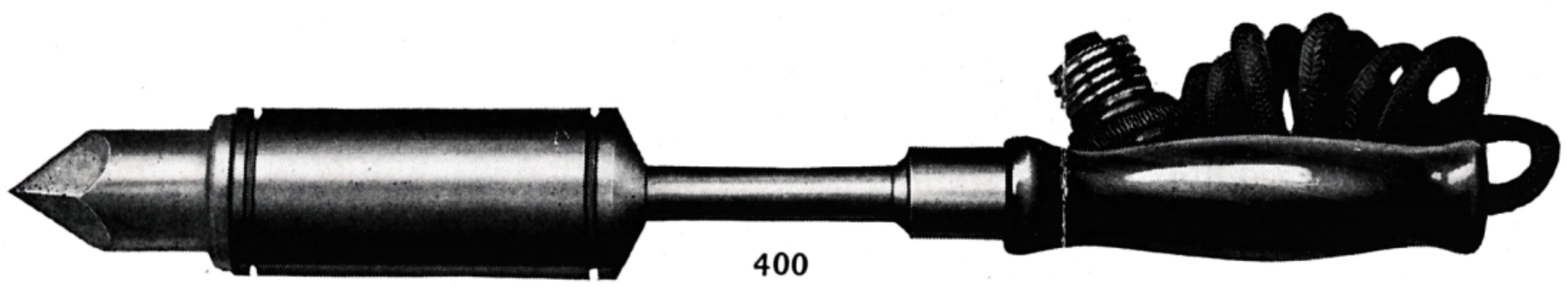

400

No. 225. Weight 22 ounces. Length 15 inches. Diameter of tip ¾ inches. Voltage 110. Watts 225. This iron will do the work of 1¾ pound pair of old style soldering coppers.
No. 275. Weight 39 ounces. Length 15½ inches. Diameter 1¼ inches. Voltage 110. Watts 275. This iron will do the work of 2½ pound pair of old-style soldering coppers.
No. 400. Weight 54 ounces. Length 16¼ inches. Diameter of tip 1 7/16 inches. Voltage 110. Watts 400. This iron will do the work of 3½ pound pair of old-style soldering coppers.
Irons can be wound for any voltage ranging from 50 volts to 250 volts.

Details and Finish

COPPER soldering tips are made from drawn copper bars with special heat retaining qualities. The soldering tip screws into the copper core. They can be removed for the purpose of replacing when worn out or substituting other sizes and shapes of tips. They are highly polished and trimmed.

A steel shaft connects the heating element and steel casing with the hollow, wooden handle. All steel parts have a gun-metal finish.

Inside of the wooden handle is the fiber terminal point. The wooden handle unscrews, so that the connection can be adjusted or renewed if necessary.

The handle is made of seasoned wood and is fitted with a steel ferrule where it fastens to the connecting tube between the wood handle and the soldering iron. Shape and size makes it comfortable to the hand of the operator. It has a high enamel finish.

The flexible cord is reinforced drop cord, which many tests and experiments have proven to be the best cord that can be procured for this purpose, having great flexibility and durability, especially adapting it for the rough uses to which it is subjected in connection with an electric soldering iron.

Dover Appliances

THE Dover Electric Soldering Iron is made by the Dover Manufacturing Co., Dover, O. This company has been famous for a quarter of a century as the manufacturers of high-grade appliances for making heat useful. Asbestos Sad Irons conquered the market. The Vea Heating Element, controlled exclusively by this company, gives all their appliances a usefulness and a permanence which makes them the leaders of the field. All the vast experience of this Company in making heat useful, and all the unparalleled advantages gained from the Vea Heating Element, find a high expression in the Dover Soldering Iron.

You will find these Dover Soldering Irons are the most efficient helpers in the market. They do away forever with the old, cumbersome methods of heating soldering irons. And their convenience is absolutely dependable at all times, for the heating element is indestructible.

Dover Mfg. Company

DOVER, OHIO

THE DOVER MANUFACTURING CO.,

General Office and Factory:
Dover, Ohio.

New York Office:
No. 30 Church St.,
New York, N. Y.

ELECTRICAL SHOW 1917

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