

# 19th century textbook illustrations



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## Wire Chemical Apparatus

“Before the year 1351 everything known as wire was hammered out by hand, but at that date or thereabout the art of wire drawing was invented. Since then the art has been developed and expanded, so that at the present time wire drawing is one of the leading industries, and we have wire of every size and shape made from all of the ductile metals, and used in an infinite number of ways.

Several new as well as some well known forms of laboratory appliances made of wire are shown in figs. 650, 651, and 652. The few examples of wire apparatus for the laboratory given in the engraving will not only be found useful, but will prove suggestive of other things equally as good . . . .

Most of the articles described above may be made to the best advantage from tinned wire, as it possesses sufficient stiffness to spring well, and at the same time is not so stiff as to prevent it from being bent into almost any desired form. Besides this the tin coating protects the wire from corrosion and gives it a good appearance.”

### Literature Cited

Hopkins, G. M., “Experimental Science,” Munn & Co., New York, 1890, pp. 678–684.

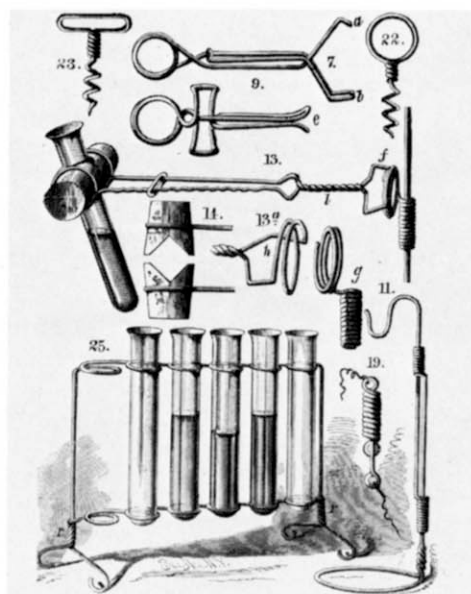


Figure 651.

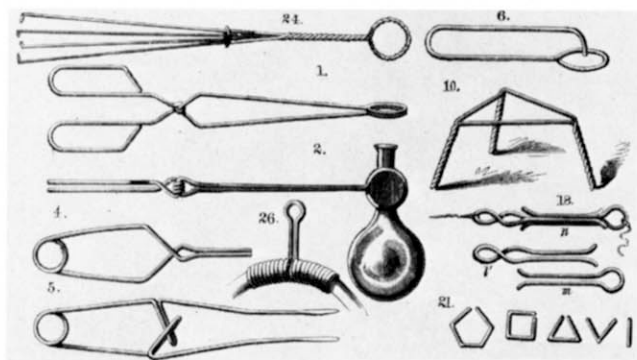


Figure 650.

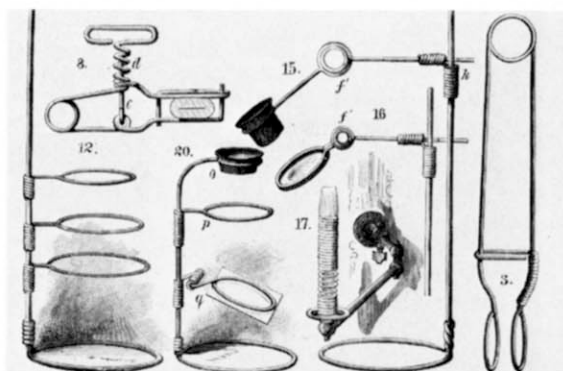


Figure 652.