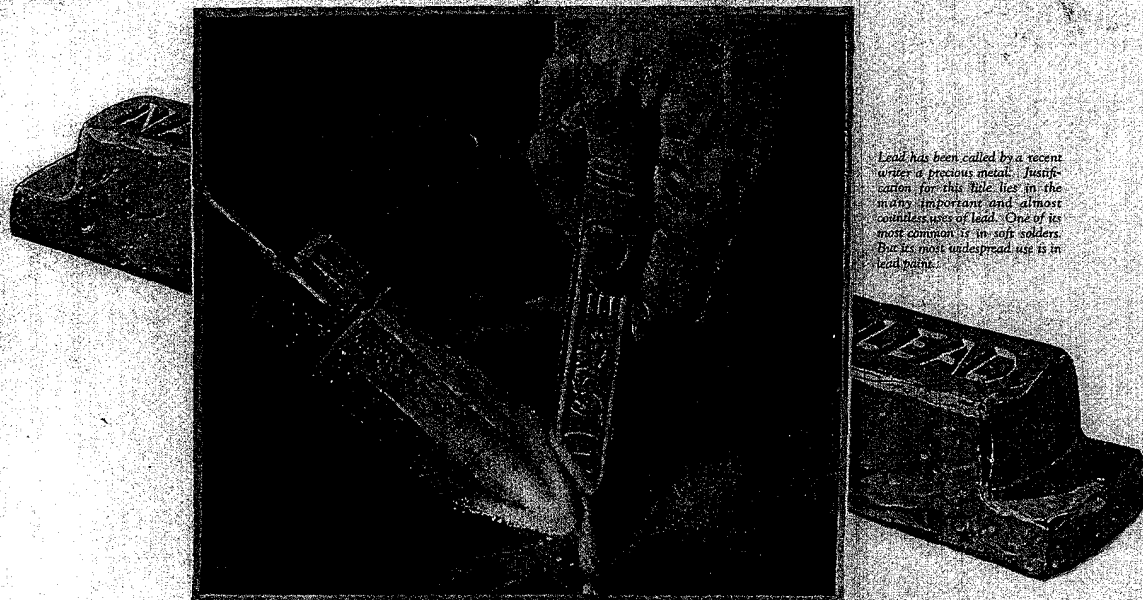




Lead has been called by a recent writer a precious metal. Justification for this title lies in the many important and almost countless uses of lead. One of its most common is in soft solders. But its most widespread use is in lead paint.

"SODDER"

The Glue of the Metals

WE pronounce it *solder* and spell it *solder*, though there have been as many different ways of spelling it as there are letters in the word. *Soder*, *sawder*, *sawder*—have all been used. The origin of the word *solder* means "to make solid." Lead mixed with tin makes this solder, whose use is to join metal to metal, to seal metal containers, and to patch holes in metal. Lead-tin solder is to the metal worker what glue is to the cabinetmaker and the bookbinder.

Why is lead used in soft solders? One reason is that pure lead combined with pure tin produces an alloy whose melting point is below that of either of these metals alone, and therefore is below that of the metals to be joined, even though these metals be lead and tin themselves. This alloy also adheres to zinc, copper, brass and even iron and steel, joining them in a perfect union.

Dutch Boy solders

Thousands of workers use the soft solders made under the Dutch Boy trademark. The Dutch Boy series of solders has been carefully and scientifically selected to cover every possible requirement of the solder user. Dutch Boy Solder 111 is the acme of solder quality. There is nothing better. It is 50% lead and 50% tin, which is not true

of many so-called "half-and-half" solders. In the grades from 222 to 388 the proportions of lead and tin vary according to the number, but each number is always uniform in composition and quality. The Dutch Boy trademark guarantees absolute uniformity at all times.

National Lead Company also will furnish solder according to any formula required, in a variety of shapes, sizes, lengths and weights. It makes bar, wire, ingot, triangular, drop, segment, round, half-round, strip and ribbon solders.

If you are interested in the many uses to which solders can be put, or are concerned with the use of solder for any particular purpose, we will gladly send you complete information. We will also send you free on request an illustrated leaflet, which tells in non-technical language how solders are made, what they are used for, and the importance of lead in these alloys that contribute to your comfort and safety.

Lead in paint

Of all the important uses of lead in the arts and industries of civilized peoples, the most general of all is the use of lead paint. From lead is made white-lead, famous for generations for the protection it gives to the surface it covers. Manu-

facturers use white-lead as the principal ingredient of their best paints. Professional painters use "lead-and-oil," a mixture of pure white-lead and pure linseed oil. House-owners more today than ever before save the surface of their properties by covering them with constantly maintained coatings of white-lead paint.

National Lead Company makes white-lead of the highest quality and sells it, mixed with pure linseed oil, as Dutch Boy white-lead.

Other Dutch Boy products

IN the famous Dutch Boy series of products, besides white-lead and solder, there are red-lead, linseed oil, flinting oil and babbitt metals.

National Lead Company makes, in addition, lead products for practically every purpose to which lead can be put. Among these products are sheet metal, lead tubes and tubing, calking lead and US Cartridges and Shot Shells.

If you desire specific information about any of these or other uses of lead, write to any branch of National Lead Company.

NATIONAL LEAD COMPANY

New York, 111 Broadway; Boston, 131 State St.; Buffalo, 116 Oak St.; Chicago, 940 West 10th St.; Cincinnati, 619 Freeman Ave.; Cleveland, 520 West Superior Ave.; St. Louis, 712 Chestnut St.; San Francisco, 495 California St.; Pittsburgh, National Lead and Oil Co. of Pa., 314 Fourth Avenue; Philadelphia, 14th St.; Louisville, 14th St.; Portland, 14th St.

The figure of the Dutch Boy Painter shown here is reproduced in every bag of Dutch Boy white-lead and is a guarantee of superior quality.

Save the white and red Dutch Boy.