

ARMCO—Rust-Resisting Iron

Its Discovery Confirms What the Ancients Gessed

THE rust-resisting qualities of pure iron were ignored for ages. The ancients made pure iron, though they may not have known the great value of it. Thousands of years ago men made tools out of iron. Possibly they used steel, too. But, if they did, the articles have long since gone up in rust. Rust is the great enemy of steel. For many uses where great strength or hardness is required, steel is necessary—but it rusts rapidly. The very things that are mixed into iron to make it steel cause it to crumble away in rust.

The more nearly iron is free from all impurities the greater its rust-resisting power. The iron that has lasted since the Pyramids were built is mighty free from impurities. The pure iron in the sacred pillar at Delhi, India, has stood through twenty-eight centuries of weather.



America furnishes her own instances of the long life of iron. In 1910 an old iron link suspension bridge was torn down at Newburyport, Mass. After a hundred years of exposure the rust on those links was scarcely as thick as a coat of varnish.

But you've seen proof on your own farm of the superiority of iron over steel.

Look at these two nails



The iron nail has seen thirty-eight years of service while the round steel nail is gone with only eleven years' use. You have seen many such comparisons. Did you ever wonder why there is such a difference in their rust-resisting qualities?

We did. And we set to work to find out why most metals rusted, though some did not.

The iron that has lasted we found to be almost pure. But pure iron is hard to make. You add more impurities to already impure iron to make steel. Impurities must be taken out to make pure iron. It never had been done on a profitable commercial basis. The links at Newburyport were from iron purified by crude methods and wrought by hand.

Ideal iron commercialized

Iron made by hand couldn't compete with steel. We knew that. But we were determined to make pure iron. We have done so. And we are continually making more and more. We have commercialized an ideal.

Pure iron is Armco—American Ingot Iron

That is the name of our product. When we first began to make pure iron we called it American Ingot Iron. That name is still widely used. Remember, Armco and American Ingot Iron are the same, mean the same, pure iron. Armco is the purest iron commercially manufactured in the world. Armco Iron is purer in content and more uniform in texture than the iron pillar at Delhi, the links at Newburyport, or the iron nails that served your fathers so well.

Armco Iron is guaranteed to be 99 84/100% pure iron

Not a batch of molten iron leaves our furnaces until chemical tests in our laboratory show 99 84/100% — or higher —

purity. American Ingot Iron may be higher than 99 84/100% pure. It is never lower. We guarantee that.



Pure iron roofs last seventy years

You've heard of the good tin roofs that were laid a hundred years ago. Did you know that the core, the sheets that were tinned, was of pure iron? And today you can get the same grade roof—or higher—made of American Ingot Iron.

You can now have pure iron shingles, iron sheet roofings and sidings, metal lath, iron gutters, flashings and drain pipes that will last as long as your buildings.

There's a second reason—in addition to its pure iron base—why American Ingot Iron roofing is better than ordinary sheet metal. The galvanizing on Armco roofs is better.

Steel dissolves in galvanizing much faster than Armco Iron

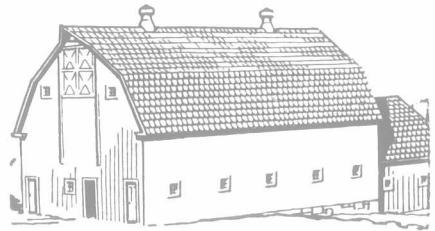
When a sheet of steel is dipped in the galvanizer it begins instantly to dissolve. American Ingot Iron, because of its purity, shows practically no dissolution when the zinc galvanizing is applied. Therefore the zinc coating is purer and will last many times as long as the galvanizing on ordinary, impure material.

Armco Old Style Terne plate, with its Armco Iron base, is made by the Morewood hand dipped, old style, pure palm oil process. Absolutely no acids are used in the process. The coating is pure lead and tin—two almost indestructible metals.

There are seven operations. No higher grade metal roofing is made in the whole world. Each shingle is stamped Armco.

Thousands of farmers demand iron roofing

Write for booklet on Armco Iron Roofing



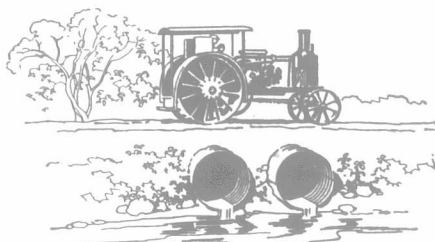
A canvass of farmers showed us the way iron roofing is taking high place among roofings. Out of 8000 farmers using metal roofings 5000 had bought iron. Your metal roof should be Armco—the only 99 84/100% pure iron roof. Every sheet, flat or corrugated, bears the Armco trade mark. Take no other. Write today for Armco Roofing Booklet.

Who pays your road tax?

That's just a suggestive question—a suggestion that you have some right to say what that road tax is spent for. If it's culverts your roads need, here are a few reasons why you should urge your supervisor to install Armco—American Ingot Iron Corrugated Culverts. Their durability is insured by the purity of Armco Iron

—its rust-resisting power—and the quality of the galvanizing.

The deep corrugations give strength to



carry the heaviest loads and deepest fills. Armco Culverts have an enormous resistance to external strains. Armco American Ingot Iron Culverts are quickest to install. And because no machinery nor cementing is necessary, they are cheapest to install.

If you need a culvert on your farm we will gladly tell you where you can secure an Armco American Ingot Iron of desired size.

Water tanks need not rust

Write for names of tank manufacturers using American Ingot Iron



You can secure storage tanks, pressure tanks or stock watering tanks of Armco Iron. A tank like the one shown here will last as long as its heavy supports of steel. These supports are made of steel so that they will carry the heavy weight. The tank itself should be Armco Iron.

Silos are built of Armco Iron

Write for names of silo manufacturers who use Armco Iron



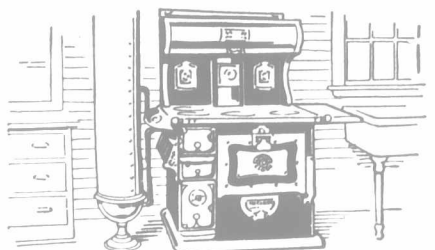
The buildings on a dairy farm can well be made of Armco Iron. The roof on the cow stable, the ventilators, the window frames, and finally the silo can be built of rust-resisting, almost everlasting Armco Iron.

Handsome and durable fencing—Armco Iron Woven Wire Fencing—is made by the Page Woven Wire Fence Company.

Things under shelter rust quickly, too

Write for names of stoves and ranges made from Armco Iron

There's the gasoline stove, the water heater, the kitchen range. They rapidly

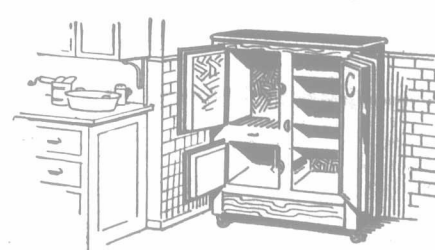


rust out unless made of pure iron. Alternate heating and cooling hurry the process. The gases of combustion quickly eat into

low grade iron and ordinary sheet steel. But Armco Iron resists such attacks. Enthusiastic stove manufacturers, using Armco Iron, guarantee against rust for twenty-five years.

Ice box and furnace can be of Armco Iron

Write for list of furnace and refrigerator manufacturers using American Ingot Iron



Your ice box, especially if it is enameled, should have a base of Armco Iron. Certain manufacturers use it for all enameling purposes. Armco takes a smoother coat, is free from pin holes and bubbles, and is slow to rust.

And if there's anything that should stand against rust it's a furnace. You can have a furnace with its vital parts made of Armco Iron. We'll tell you the furnace manufacturers who use Armco Iron if your dealer doesn't show you the Armco trade mark on the furnace he tried to sell you.



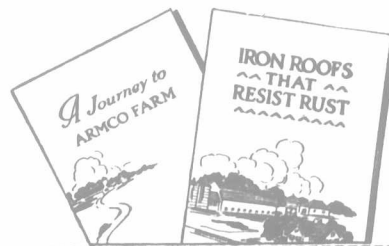
You'll find this Armco triangle in blue on all American Ingot Iron sheet roofing, culverts, silos and water tanks. It is your guarantee of iron—rust-resisting iron—99 84/100% pure.

When you see it you are safe in buying the article as being of pure iron. If it isn't marked Armco, ask for proof that the iron used is Armco—the pure iron.

Write for free copy of these illustrated Books

Every page contains interesting news about one of the most important subjects before you today. By words and by picture, these books tell you the big money-saving facts—the real truth about sheet metal, why you should buy Armco, pure iron.

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