

USE QUEER METHODS FOR IRON WORKING

Corn Husks and Feathers Some of Materials Utilized in Philippines

Corn husks and chicken feathers form an important part of the primitive apparatus used by natives of the Philippine Islands for iron working. An actual Philippine forge brought from the island of Luzon is on exhibition at Field Museum of Natural History, where its use is demonstrated by a group of four life-size figures of typical native ironworkers of the Tinguian tribe, one of them a woman. The forge was obtained in the village of Balbalasang, which means "the town of many maidens." It is one of the communities noted for making the finest headaxes and spear-points in the islands.

Get Ore from Chinese

The Tinguians do not mine or smelt native ore, but secure it from Chinese traders. The forge at the museum originally stood in a small hut with a grass roof, but without sides or floor. The exhibit shows one of the workers sitting on a bamboo bench working the crude but ingenious bellows. The bellows consists of two upright cylinders made of hollowed-out logs. In each is a piston or plunger, at the lower end

of which is a wooden ring packed with corn husks and chicken feathers. When a plunger is pushed downward in the cylinder, it compresses the air and forces it out of a small opening in the base, but when it is drawn up the feather and corn husk packing collapses and allows it to be raised without effort. These pistons are worked alternately so that one is rising while the other is falling.

Conduct Air

Two bamboo tubes attached to the bellows conduct the air into a cylinder of fire clay, and this in turn carries it into the charcoal fire. These bamboos fit loosely into the clay cylinder, thus taking the place of valves and preventing the drawing of the fire back into the bellows. Near the hearth is a stone anvil, while a small stone hammer, a heavy stone hammer, and pinchers of the same material complete the outfit.

The fire is lighted, and the bellows operator blows it to a bright flame. A smith then puts metal into the coals, and allows it to remain until it reaches white heat. It is then placed on an anvil where another man beats it out with the large hammer, a stone weighing twenty or more pounds.

With this apparatus the natives succeed in making knives, spearheads, headaxes, and various other weapons and utensils. They have also developed a process of welding pieces of metal together with this equipment.

P. F. Cawley, Landscape Gardener & Contractor

for all kinds of gardening, trees, and shrubs. Fertilizer for Sale. Men furnished for all kinds of gardening. Care of lawns, etc. Driveways and concrete work a specialty.

Residence: 233 N. Second Street Phone Highland Park 1891

Complete Building Service

RICH and HOERMANN

Designing—Financing—Erecting—Remodeling

203 S. DEARBORN ST., CHICAGO, ILL.

TELEPHONES: HARRISON 3774 HIGHLAND PARK 1002
Residence: 835 Forest Ave., Highland Park

Is Your Home for Rent for Summer or by Year?

Please phone information to

FREDERICK B. THOMAS & CO.

10 S. LaSalle Street, Chicago

Wm. Dudley Putnam

Highland Park	Winnetka	Chicago
Phone 545	2850	Randolph 0860



Now in May Fair, of course, in the fair month of May—
When life is abundant, and busy, and gay:
—Owen Meredith.

Encouraging Complexion Beauty

In spring and early summer one hears the term "spring fever"—a term used somewhat mysteriously to cover the symptoms of lack of ambition and moodiness which characterize the temper of many people during the very season when Nature is most profligate in her renewal of life and beauty.

There is really nothing mysterious about the malady, however. It is simply a state which has been brought about by the clogging of the system during the long indoor season when social activities, late parties, rich food and lack of exercise have played havoc with the health and beauty of the most naturally healthy person.

This general sluggishness and clogging affects the skin markedly. Indeed almost every physical ailment registers its effect upon the skin, which is a sensitive and clever barometer of general bodily health.

The skin looks dull, sallow and sluggish; perhaps lined and dry as well. Often it has blackheads and a rash, or a suggestion of acne.

Since a fresh, quick circulation is the essential foundation of all skin health and beauty—good healthy blood, too, of course—this must be awakened by special stimulation.

Adequate physical exercise taken

often and regularly will do much for general bodily circulation—and so for the circulation of the facial skin. But exercise, to be effective, must be vigorous and taken regularly, not mild and spasmodic, as some seem to believe.

And a quick and simple way to bring a healthy circulation up into the face is by the use of a specially prepared circulation stimulant, either liquid or cream. I personally believe that the liquid stimulants are more effective. They bring the blood up to the tissues immediately upon their application, revitalizing them into activity and health. The skin becomes rosy and fresh at once, and glows as it does after exercise. In fact, their magic is so remarkable, so quick in effect and so successful, that often, when using them for the first time, women are astonished with results and fear they are "too good to be true."

They are in truth delightful, and while they are activating, there is nothing in the least harmful in their composition. No chemicals are used in preparation; only the most beneficial of Nature's herbs and roots.

Scientifically created, they form a rare beauty aid and secret—the secret of good circulation—which is also the secret of complexion, health and beauty.

North Shore Landscape Construction Co., Inc.

Landscape Archts. and Engrs.

16 North Sheridan Road
Highland Park, Illinois

Phone
Highland Park
2990

Driveways Rock Work Surveys