

## MINING MACHINERY SENT OVER WORLD

San Francisco Manufacturers  
Supply Hydraulic Equipments  
That Excel All Others

Joshua Hendy Iron Works Also  
Ships Stamp Mills to Ecua-  
dor and Korea

Among the industries of the iron and steel business is that of equipping machines for hydraulic mining in this state, Nevada and foreign countries. Hydraulic mining has reached such an extent, where it is not restricted, that hundreds of square miles of ground are being converted into valleys and canyons through the turning of mother earth over to look for the precious metals.

Africa, the Philippines, Korea, Borneo, the Strait Settlements, Sumatra, Batavia in Java and Ecuador are doing millions of dollars' worth of mining through the hydraulic process, and using machinery made in San Francisco to develop the industry with as well.

Few persons realize the extent of the preparation that hydraulic mining necessitates and the enormous quantity of machinery used in its development. Like everything else the quality of machinery used must be superior in every way to the flimsy construction that is being used by some eastern manufacturers.

### MARKET PLACE OF WORLD

As far back as the first days following the gold rush of '49, when hydraulic mining was little heard of, California made machinery was used in whatever form that was necessary. Then came the advent of the hydraulic process, and its many new advantages. Many small towns in California have sprung up in the shadow of the hills made by the hydraulic mining development. Machinery made in San Francisco was used in all these cases to such an extent that this city became the market place of the world for mining machinery.

But the dissolution arising from strike conditions and the "hard times of 1894," following up to the year 1898, caused a discontinuance of such a demand for San Francisco made machinery. This was primarily on account of the eastern manufacturers' agents coming into this field and taking up the contracts and duplicating San Francisco machinery with an eastern product.

### EASTERN PRODUCTS INFERIOR

With the raw material being reduced at their door, they, the easterners, began to corner the market on mining machinery to a certain extent with machines that looked just as good as the local product and were very much cheaper. As a consequence the people here and in other countries accepted eastern machinery that was cheaper, because it looked just as good, even if it did not have the quality in it like they do even to this day in many commodities, overlooking the fact that quality is the essential thing after all. And so it has continued.

Thanks to the San Francisco manufacturer's reputation, and the field that they had already covered, they began to see the dissatisfaction arising from the eastern product, and made an appeal for the business that was once theirs. Some of it they have got back, but the majority of it is still in the hands of the eastern manufacturers, though slowly but surely the local men are regaining their lost ground. The people realize that after all there is nothing better or quite equal to San Francisco made mining machinery.

### SAMPLE OF LOCAL WORK

One of the manufacturers here who has perhaps had his share of the machinery business in spite of eastern competition and has continued to sell hydraulic machinery in all parts of the world, where the hydraulic mining is permissible is the Joshua Hendy iron works, a pioneer firm in mining machinery. But even that concern is not getting its share of the mining business since the fire and immediately following it many manufacturers' agents came in here as they did during the years between 1894 and 1898 and took advantage of the condition of the city and captured a great deal of the business.

But conditions are normal again and manufacturers are going after the business, perhaps stronger than ever on account of the fact that the local people are better equipped with more modern machinery to handle the trade.

The illustration herewith shows a pipeman directing a stream of water from a hydraulic giant at the La Grange mine in Trinity county, California, probably the largest hydraulic operated mine in the world. The machinery for the mine was supplied by the Joshua Hendy iron works and operates the enormous equipment necessary to deal with such ground.

The length of the nozzle alone, with the man sitting in a saddle provided on all those large machines, is 19 feet, while it is 10 inches in diameter at the mouth.

The water pressure used in all these hydraulic mines is natural and is brought for many feet around inclines that gather the force of gravity. In this particular mine (the La Grange), there is a pressure of 650 feet through a 10 inch nozzle, or 110 cubic feet of water passes each second, equal to approximately 50,000 gallons a minute. One can imagine perhaps more clearly what such an amount and force of water means when it is estimated that that amount of water will weigh about 200 tons.

### METHOD OF WORKING MINE

In carrying this tonnage of water the ground is broken and undermined at an average of 1,000 cubic yards an hour, making it easy to segregate the gold from ordinary gravel.

The pipeman, who sits in the saddle directing the force of water, must be careful in his manipulation of the nozzle, for it is disastrous to misdirect it from one point to another, sometimes undermining, where it means a loss to the mine operators and perhaps spoiling the entire side of a hill.

Where it is necessary to begin operations on a flat surface and not on a side of a hill in hydraulic mining, it is necessary to first break the ground by blasts before directing the terrible force of the giant nozzles.

### USED IN AFRICAN MINES

The giant nozzle in the picture is one of several recently manufactured by the Joshua Hendy iron works for the La Grange mine, and similar to some used for recent developments in Africa and the Straits Settlements covering alluvial tin deposits. It requires the old miners of the hydraulic mine operations born in California, and which are now practiced all over the world, wherever hydraulic mining is not restricted.

The same company is sending a large shipment of machinery including a 10 and 20 stamp mill to Guayaquil, Ecuador, also one 19 stamp mill to Korea.

FOREIGN TRADE IMPROVING

Besides the above shipments the steamer Nippon Maru is carrying 40 tons of machinery for mining equipment to Batavia in Java, in the East India group. These are only a few of many shipments that have been going to

# MADE IN SAN FRANCISCO

SAN FRANCISCO is rapidly assuming a position of the highest importance in the manufacturing world. Especially is this true in regard to the iron and steel industry. The local factories are supplying the wants of the people of this and neighboring states and are beginning to send their wares to distant fields. The legend "Made in San Francisco" today carries its message eastward to the Atlantic and westward across the Pacific to the Orient. It is a growth as significant as the agricultural development of the state. It is fitting, therefore, that it should receive due attention. The Call will publish under this heading from time to time articles telling of this industrial expansion. It will let the people know exactly what sort of work is turned out at the local factories, where the machinery goes and to what use it is put. It may surprise many to read that San Francisco made machinery is driving piles in the big cities of the country, that it is cutting forests into logs, building railroads in Africa, South America, Russia, Scotland, the Philippines and the United States, operating the mines of Nevada and propelling boats on all the waters of the sea.



A Giant nozzle at work in the La Grange mine in Trinity county, California. The nozzle is the product of the Joshua Hendy iron works in this city.

these foreign countries. The foreign field is becoming more extensive every year.

The Western iron works has just secured the structural steel contract for the Mainwell building at Market and Main streets, in this city. E. B. Sexton is the architect.

The Union gas engine company has just finished one of the largest installations of gas engines on the coast for one of the Standard oil boats, the Contra Costa oil schooner. This installation includes two 250 horsepower distillate running engines and one 125 horsepower of the same operation. The saving of the gas engine installations in fuel and help is becoming more apparent every day.

### IMPROVEMENT IN PRODUCTS

Such a unit as a 250 horsepower gas engine is not understood by the layman's mind. It is one of the greatest advantages to the western machine industry and places San Francisco ahead of all cities in the country for installations of gas engines. It is a wonderful example of the recent improvement in San Francisco products and the recognition they are receiving. The Reed & Co. pattern works in Main street has just finished the large patterns of valves for the Union machine company for the auxiliary fire system.

That the iron and steel business is

picking up to some extent is manifested by the growing business in the pattern shops of this city. The city works has made a greater demand all around from men interested in the iron and steel industry. The only thing the manufacturers complain of is that they have not got enough of the business from the municipal government.

### CONFERENCE CALLED ON UNIFORM DIVORCE LAWS

Seth Low Says Governors Will Consider Plans

NEW YORK, Nov. 27.—Uniformity in the divorce laws of the various states is being sought by President Taft and most of the state governors, according to Seth Low, who as president of the National civic federation has just announced the date of the conference on uniform legislation. This conference will be held in Washington on January 17 to 19. Representative men of every state in the union, appointed by the governors, will attend.

Low's announcement says: "Through the initiative of the American bar association a special national organization of commissioners chosen by the different governors is now working for a uniform divorce law, the supreme necessity for which grows out of the condition that a child under the various divorce laws may be legitimate in one state, but illegitimate in another."

"The work of this special commission will be reported on at the conference and will then come before the committee of governors."

## YOUR KIDNEYS ACT FINE AND BLADDER MISERY VANISHES

Just a few doses regulate out-of-order Kidneys ending Backache.

If you take several doses of Pape's Diuretic, all backache and distress from out-of-order kidneys or bladder trouble will vanish, and you will feel fine.

Lame back, painful stitches, rheumatism, nervous headache, dizziness, irritability, sleeplessness, inflamed or swollen eyelids, worn-out, sick feeling and other symptoms of sluggish, inactive kidneys disappear.

Uncontrollable, smarting, frequent urination (especially at night) and all bladder misery ends. Feeling miserable and worried is needless, because this unusual preparation goes at once to the disordered kidneys, bladder and urinary system and distributes healing, cleansing and vitalizing influence directly upon the organs and glands affected, and completes the cure before you realize it.

The moment you suspect any kidney or urinary disorder or feel rheumatism pains, begin taking this harmless medicine, with the knowledge that there is no other remedy at any price, made anywhere else in the world, which will effect so thorough and prompt a cure as a fifty-cent treatment of Pape's Diuretic, which any druggist can supply.

Your physician, pharmacist, banker or any mercantile agency will tell you that Pape, Thompson & Pape, of Cincinnati, is a large and responsible medicine concern, thoroughly worthy of your confidence.

Only curative results can come from taking Pape's Diuretic, and a few days' treatment means clean, active, healthy kidneys, bladder and urinary organs—and no backache.

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## Raising the Home Standard

Once only the Very Rich could afford good music. Kings, barons, lords, etc., had a composer in the family; some hard-up Haydn or Mozart who dined with the upper servants.

Today music is the joyful mainspring of every home worth the name. The standard, too, has mounted. People are no longer content with a mediocre instrument. They want their children to grow up with the best. This progressive spirit widens home interest in

### The Baldwin Piano

Dominating the world-group of artistic instruments, crowned with the approval of eminent musicians, the Baldwin carries with it also the enterprise of makers successful in bringing manufacturing-cost within the lowest consistent figure.

The Baldwin name secures you the seal of continued satisfaction. Your own judgment, trustworthy in particular fields, must fail you in so technical a matter as piano-construction. Trust to the permanent guarantee of an active force like The Baldwin Company and yours is the certainty that what you sow in dollars you will reap in delight.

You may hear the Baldwin at our salesrooms.

## The Baldwin Company

Manufacturers,  
Cincinnati. Chicago. New York.  
Pacific Coast Headquarters:  
310 SUTTER STREET, Near Grant Ave., S. F.  
1075 Clay St., Oakland.

## REFORMS ASKED BY PORTO RICO LABOR

Delegates From Federation of  
Workingmen Present Peti-  
tion to President Taft

Island Is Represented as in  
"Economical and Socially  
Deplorable Condition"

WASHINGTON, Nov. 27.—With more than 600,000 agricultural and industrial workers, including men, women and children, in Porto Rico, described as being in an "economical and socially deplorable condition," representatives of organized labor in that island appealed to President Taft today for the amelioration of the condition of the laboring people there.

Headed by Santiago Iglesias, the delegate from the free federation of workingmen of Porto Rico, a committee representing that organization called upon President Taft at the White House and laid before him a voluminous petition setting forth the alleged conditions.

A somewhat similar representation was made to President Roosevelt about two years ago, when, it is set forth, Roosevelt promised to do what he could to cause a change for the better.

The petitioners seek an increase in the wage scale, relief from the "mercenary" of the so-called "sugar trust," increased educational facilities for the children of workingmen, an improvement of the "extremely bad" sanitary conditions, the inspection of factories and workshops, the abolition of convict labor, prohibition of the employment of children under 14 years of age in factories, the application of the eight hour day and the employers' liability acts and citizenship for Porto Ricans.

The charge is made that the Porto Rico legislative assembly, dominated by the unionist party, has committed itself against the enactment of labor laws to better the conditions of workingmen in that island, while capital is afforded every opportunity to utilize its resources and encroaching power to the detriment and injury of the laboring class.

One can ride 11 hours in an automobile with chauffeur and porter in Tokyo for \$12, or \$6.50 for half a day and \$1.50 for a single hour.

## DON'T COUNT THE CHICAGO PIGEONS

Countryman Fleeced of \$105 by  
Brace of Confidence Opera-  
tors in the Windy City

"Runners" for Clothing Stores  
and Pawnshops Will Have  
to Pay \$300 License Tax

CHICAGO, Nov. 27.—It was decided yesterday by the council license committee that all "runners" for clothing stores, pawnshops, etc., must pay a license fee of \$300 a year. Incidentally it was charged during the deliberations of the committee that about half of the so-called "runners" are confidence-men.

Alderman Dunn said that some of the big mercantile houses in the city received numerous complaints from country customers who were fleeced while in Chicago.

### IMPOSE ON COUNTRY CUSTOMERS

"They introduce themselves to these country customers as members of the big firms," said Alderman Bowler, "and drag them into their stores with the assurance that it is a branch of the big one and sell them on overcoats for \$50 and things of that kind."

"Only the other day one of these 'runners' met a fellow from the country in front of the city hall. The countryman was looking at the pigeons. The confidence man told him that he couldn't look at the pigeons in Chicago, as it was against the law, and displaying a star, placed the farmer under arrest."

### AN EASY MARK

"Up the street a little way they met a confederate whom the confidence man hailed as 'judge.' The judge asked the countryman what he was looking at the pigeons for and the victim replied: 'Why, I was counting them.'"

"That's against the law," answered the judge. "How many did you count?" "Twenty-one," answered the farmer. "The fine is \$5 apiece for counting pigeons here," commented the judge, and the victim handed over \$105."

Flour making in France is the most important industry in the country in amount of capital invested and value of annual output.

## The Secret of A Beautiful Complexion

Constitutional Treatment Will Accom-  
plish More in a Week Than Local  
Applications in Six Months.

Contrary to general opinion, the acquiring and maintaining of a perfectly clear and faultless complexion does not depend upon the application of local treatment. There are many persons who spend small fortunes visiting "beauty specialists," and having their faces massaged with perfumed, pink-colored cold creams or with electrical vibrations, hoping by these methods to get rid of wrinkles and various skin blemishes.

Others spend much of their time steaming their cheeks with super-heated vapor, which promotes a rapid and heavy perspiration, and for the time being relieves the pores of any foreign matter which may be clogging them. But the great trouble with such treatments is that they achieve no permanent benefit, and whatever good they may accomplish is only momentary.

The reason is obvious. The trouble is constitutional instead of being local, and for that reason a general rather than topical treatment is naturally required. No one would think of trying to cleanse the sewerage system of a city by merely cleaning the external openings of a few of the sewers and allowing the rest of the aqueduct to remain untouched. The whole system needs to be flushed and purified.

The pores may be aptly termed the sewerage system of the body, which throws off one-fifth of its impurities through them; and if, for any reason, these little pores become stopped up, or the other eliminating organs which dispose of the remaining four-fifths of the waste material partially fail in their function, the system of the body is inevitably pimples, blackheads, liver spots, etc., appear upon the face, thereby serving notice to the owner of that fact that something is wrong within; something is interfering with the work of destroying and throwing off the waste matter from the blood, which has consequently become loaded with impurities.

The foolish practice of attempting to cure a blotchy or otherwise faulty complexion by the use of local means should be given up at once and a more rational treatment substituted—that of purifying the blood and cleansing the body's sewerage system by using STUART'S CALCIUM WAFERS.

Many persons who have been trying to gain a perfect complexion and to rid themselves of pimples and other facial blemishes thro local means have given up this folly, and by the regular use of Stuart's Calcium Wafers—the great blood-and-skin remedy—have not only succeeded in purifying their blood, getting rid of pimples, etc., but have also established a healthy circulation through the skin, which had the effect of removing wrinkles.

Secure a package of Stuart's Calcium Wafers from your apothecary at once for 50 cents, and also send us your name and address for free sample treatment. Address: F. A. Stuart Co., 115 Stuart Bldg., Marshall, Mich.

WEEKLY CALL, \$1 PER YEAR

**Livingston Bros**  
INCORPORATED  
FILLMORE AND GEARY STS.  
Agents Nemo Corsets

Mail Orders Filled

**Children's All-Wool Sweaters, \$1.00 Each**

**BOYS' OR GIRLS'** serviceable, closely knit, all-wool Sweaters with two pockets—many pretty colorings to select from—1 to 5 year sizes, \$1.00—6 to 12 year sizes, \$1.25.

## Automobiles

The boy and girl get-  
ting the most votes by

December 31st will each get a two-  
seat 10-mile-an-hour Roadster free.

Every 10-mile purchase shown on our  
sale slips counts for one vote.

Collect our sale slips, write name  
of your candidate on back and put  
in box at store door.

## Can You Match These Dress Goods Values?

WE say no—emphatically no. They are the newest, most-in-demand of the season's fabrics, the kinds you are planning to buy. They are at least one-quarter under real values—in most instances one-third less than the regular selling prices. With values like these we are justified in expecting the busiest dress goods day of the season.

**39c** Yard for 50c Shepherd Checked Suitings—Those extremely popular 38-inch black and white checked woolen suitings; in small, medium and large designs for dresses, waists and children's wear; always sold at 50c the yard. Here Monday at 39c.

**98c** Yard for \$1.50 Navy Storm Serge—A great bargain in these very scarce and much wanted goods; extra heavy weight, 52 inches wide; three best shades of navy, thoroughly shrunk and sponged; 25 pieces to go at only 98c the yard.

**50c** Yard for Novelty Satin Prunellas—An assortment of 75 pieces to make selection from; of self-colored stripe Prunellas; also imported striped mohairs; all to be placed on sale, starting Monday, at only 50c the yard.

**\$1.45** Yard for \$2.00 Clay Worsted Navy Blue Storm Serge—56 inches wide, extra heavy weight, thoroughly shrunk and sponged, ready for the needle. Three best shades of navy blue. On sale, starting Monday, at \$1.45 the yard.

**\$1.45** Yard for \$2 Chiffon Broadcloth—52 inches wide, heavy, lustrous, spot-proof cloth, in all winter colorings, including rose, smoke, grays, tans, greens, browns, navy and black. On sale Monday only, at \$1.45 the yard.

**20c Sateen Linings 14c yd**  
MONDAY we offer 50 pieces of the 36-inch 20c quality of heavy sateen linings in pink, light blue, grays, tans, rose, browns, navy, cream and black, at only 14c the yard.

## These Children's Dresses On Sale Monday at Only . . . \$1.25



THEY are worth at least \$2, and we doubt if you can buy them elsewhere under \$2.25. The one on the left of the picture is of Hydegard Galatea, the heavy wash fabric for winter school wear, in fancy blue stripes and checks. The other model is of wool serge in black and white checks, trimmed with fancy braid and gilt buttons. Sizes 6 to 14 years. Either style Monday for...\$1.25

## Girls' \$3.50 Rain Capes \$1.95

Made of neat and pretty striped materials, rubberized so as to be absolutely rainproof, with large, plaid-lined hoods to go over the hat. These capes are full length.

\$3.50 sizes;  
6 to 10 years.....\$1.95  
\$4.50 sizes;  
16 to 18 years.....\$2.45

## Remarkable Sale Tennis Flannels

**7c** Yard for 10c Tennis Flannels—Heavy, fleecy, warm, good-wearing flannel-ettes; pink, blue and cream grounds in plain and fancy stripes and checked effects for night, gowns, skirts, men's shirts and children's wear.

## Great Purchase and Sale Ladies' Flannelette Gowns 69c

HERE'S an offering that should crowd the department all day long tomorrow. Best of dollar flannelette gowns—pink or blue stripes, cut full length and width, collarless round yoke effect, with braid trimming—sizes 15 to 17—600 of them on sale, starting Monday, at 69c each.