

# SHOES

## A ROMANCE OF STEEL

The Rise of a Great Industry and Enormous Fortunes.

### KELLY AND THE AIR BLAST.

The Flash of Genius Which Provided the World With a New Metal—Robert Mushet's Device—Captain Bill Jones and Andrew Carnegie.

As late as the middle of the last century cheap steel was unknown. It was then sold at 25 cents a pound. The railroads were using iron rails which wore out in less than two years, and the total output of iron and steel in a year was less than is now made in four days.

Then came to William Kelly, a Pittsburgh Irish-American, that flash of genius which provided the world with a new metal, something as strong as steel and as cheap as iron.

Kelly was an iron maker and needed charcoal. In time all the wood near his furnaces was burned, and the nearest available source of supply was seven miles distant. To cart his charcoal seven miles meant bankruptcy unless he could invent a way to save fuel. One day he was sitting in front of the "finery fire" when he suddenly sprang to his feet, with a shout, and rushed to the furnace. At one edge he saw a white hot spot in the yellow mass of molten metal. The iron at this spot was incandescent. It was almost gaseous. Yet there was no charcoal—nothing but the steady blast of air. Like a flash the idea leaped into his excited brain—there was no need of charcoal; air alone for fuel.

But people said he was crazy when Kelly asserted that pig iron could be changed into malleable iron by the air blast, for every iron maker believed in those days that cold air would chill hot iron. "Some crank will be trying to burn his head," said one manufacturer, and Kelly, through lack of means, could not turn his idea into the success he deserved.

Then, seven years later, came Bessemer, who made the new process a commercial success by the invention of his celebrated "converter" and received \$10,000,000, worldwide fame and a knighthood as his reward. Kelly received \$500,000 and comparative oblivion, although his idea was the nucleus of the Bessemer process by which iron is purified from carbon by the direct introduction of oxygen, for when Bessemer applied for and obtained a United States patent for his "pneumatic process" Kelly claimed priority for his invention, and his claim was allowed by the patent office.

Another pioneer of the steel trade, Robert F. Mushet, a Scotsman, who hit upon a device for removing a difficulty that baffled Kelly and Bessemer, fared even worse than Kelly, for he lost his patent by failing to pay the necessary fees and in his later years was dependent upon a pension of \$1,500 which he received annually from Bessemer.

The difficulty which Mushet removed was this: "The air blast clears the molten metal of carbon and of all impurities, including sulphur and phosphorus. But a certain quantity of carbon is necessary to harden the metal into the required quality of steel. Instead of endeavoring to stop the process at exactly the right moment, Mushet asked, 'Why not first burn out all the carbon and then pour back the exact quantity that you need?' This was a simple device, but no one had thought of it before."

The man who took the invention of Kelly and Bessemer into his hands, developed it into one of the wonders of the world and made the Carnegie millions was Captain William R. Jones—Bill Jones, as he was known—who seemed to live with the sole desire of topping over the idea that England owned the steel trade. He could have been a millionaire many times over, but he cared little for money. When he was offered a partnership he replied:

"No, Mr. Carnegie, I don't know anything about business, and I don't want to be bothered with it. I've got trouble enough here in these works. I'll tell you what you can do—these were his exact words—"you can give me a thundering big salary."

"After this, captain," replied Carnegie, "you shall have the salary of the president of the United States—\$25,000."

The famous scrap heap policy was originated by Jones. He did not believe in waiting until his machinery was worn out. The moment that an improvement was invented old machinery was dragged to the scrap heap and the latest devices put in its place. He made the shareholders gasp on several occasions by asking permission to smash up \$500,000 worth of machinery that was as good as new, but outgrown. Jones died, as he had lived, in the midst of an industrial battle at the head of his men. He was killed in an accident in the company's works. "Carnegie, looking upon poor Jones as he lay in the hospital, sobbed like a child."

"The Romance of Steel," by Herbert N. Casson.

The Wind. The senator pushed into the crowd that surrounded the automobile. "What is the trouble here?" he inquired. "Punctured tire," replied a man with a dinner pail. "Make a speech into it, will you, senator?"—New York Press.

## The Daily Market Report

PORTLAND, July 21.—Conditions in this state are ripe for an advance in butter prices, and but for the fact that Eastern quotations are now relatively low there would be an upward movement here at this time. With the pastures drying up more or less generally the cream supply is growing smaller and butter production is naturally on the decline. The state, however, still produces a surplus over current home needs, though that surplus is much lighter than a month ago, and for this reason outside markets are still necessary.

Flour, Grain and Feed. Wheat—Track prices: Club, 86c; red Russian, 84c; bluestem, 88c; Valley, 86c. Barley—Feed, \$24.50; rolled, \$25.50 @26.50; brewing, \$26. Oats—No. 1 white, \$26.50; gray, \$26.00.

Flour—Patents, \$4.85; straights, \$4.05 @4.55; exports, \$3.70; Valley \$4.45; 1-4 sack graham, \$4.40; whole wheat, \$4.65; rye, \$5.50. Millstuffs—Bran, \$26.00; middlings, \$30.50; shorts, country, \$28.50; shorts, city, \$28; chop, \$27.50. Hay—Timothy: Willamette Valley, fancy, \$15.00; do, ordinary, \$12; Eastern Oregon, \$17.50; mixed, \$15; alfalfa, \$12.

Butter, Eggs and Poultry. Butter—Extras, 25c; fancy, 24c; choice, 20c; store, 16c. Cheese—Full cream twins, 14c; full cream triplets, 14c; Young America, 15c; cream brick, 20c; Swiss block, 18c; Limburger, 20c.

Poultry—Mixed chickens, 12 1/2 @13c; fancy hens, 13c; roosters, old, 9 @10; friers, 20c; broilers, 18 @19c; dressed, 1c per pound higher; ducks, 12 @14c; turkeys, old, 8 @10c; turkeys, alive, 18c; dressed, 19 @20c. Eggs—Candled, 24 @25c; Eastern, 22c.

Fruits and Vegetables. Potatoes—Select old Oregon, 50c per 100 pounds; new Oregon, \$1.25 @1.40; new California, \$1.30 per 100.

Fresh Fruits—Oranges, \$3.75 @4.25; lemons, \$3.50 @4.00; strawberries, \$1 @1.25 per crate; raspberries, \$1 @1.25 per crate; cherries, 5c @7c pound; apricots, \$1.25 per crate; gooseberries, 5c lb; peaches, 75c @1 crate; plums, 50 @70c crate; watermelons, 1c @ 1 1/2 lb; loganberries, 75c @1 crate. Vegetables—Turnips, \$1.25 sack; beets, \$1.75; parsnips, \$1.25; cabbage, \$1.50 @2.00; cauliflower, \$2.50, crate; head lettuce, 20 @25c; cucumbers, \$1.25 @1.50; celery, 85 cents; artichokes, 60c doz; asparagus, 65c @1.25; beans, 8c; eggplant, 20c pound; tomatoes, \$1.25 @1.75 crate; cantalope, \$2.25 @2.50 per crate.

Onions—Bermudas, 2 1/2 lb; California red, \$1.40 @1.50; garlic, 12 @15c. Apples—Select, \$3.00 box; fancy, \$2.00; choice, \$2.00; California new, \$1.00 @1.50; Oregon, \$1.25.

Meats and Provisions. Dressed Meats—Hogs, fancy, 7 1/2c; ordinary, 6 1/2c; large 6c; veal, extra 8c, ordinary 6 @7c, heavy 5c; mutton, fancy, 8 @9c. Lard—Kettle leaf 10s, 14c; do 5s, 14c; do 50-lb. tins, 13 1/2c; steam rendered 10s, 12 1/2c; do 5s, 12 1/2c; compound 10s, 9c.

Hams—10-12 lbs., 17c; 14-16 lbs., 16 1/2c; 18-20 lbs., 16 1/2c. Bacon—Breakfast, 16 @23c; picnics, 11c; cottage roll, 12c; regular short clears, smoked, 12 1/2c; do unsmoked, 11 1/2c; Un. B., 10 @13c lb; smoked, 10 @13c; unsmoked, 12c; clear bellies, unsmoked, 13 1/2c; smoked, 14 1/2c; shoulders, 12c.

### JOBBER'S QUOTATIONS.

Sugar, Coffee, Etc. D. G., \$6.25; beet, \$6.05; Golden C., \$5.65; extra C., 5.75; powdered, \$6.35; fruit or berry sugar, \$6.25; boxes, 55c. Sugar (sack basis)—D. G., \$6.25; cwt. advance over sack basis less 1c if paid for in 15 days. Coffee—Mocha, 24 @28c; Java, fancy, 25 @28c; Java, good, 20 @24c; Java, ordinary, 17 @20c; Costa Rica, fancy, 18 @20c; Costa Rica, good, 16 @18c; Arabucke, \$16.50 cwt.; Lion, \$15.75 cwt.; Colombia coffee, 14c lb.; Salvador, 11 1/2 @14c.

Rice—Imperial Japan, No. 1, \$6.35; Southern Japan, \$5.75 @6.00; broken, 4 1/2c; head, fancy, \$7 @7.75. Salt—Bales of 75-2s, bale, \$2.25; bales of 60-3s, bale, \$2.25; bales of 40-4s, bale, \$2.25; bales of 15-10s, bale, \$2.25; bags, 50s, 1ne, ton, \$15; bags, 50c; genuine Liverpool ton, \$17; bags, 50s, 1-ground, \$13.50; 100s, ton, \$13; R. S. V., 20 5-lb cartons, \$2.25; R. S. V. P., 3-lb cartons, \$1.75; Liverpool, lump, per ton, \$20.

Raisins—Loose muscatels, 3-crown, 6 cents; 4 crown, 7 1/2 cents; bleached, seedless Sultanias, 9 1/2 @12c; unbleached seedless Sultanias, 6 1/2 cents; London layers, 3-crown, whole boxes of 20 pounds, \$2.00; 2-crown, \$1.75. Nuts—Walnuts, 15 @17c pound; filberts, 16; Brazils, 16c; pecans, 14 @20c; hickory, 10c; Virginia peanuts, 6 1/2c; peanuts, 6 @8c; chestnuts, Ital-

ian 10c, Ohio 25c; coconuts, dozen, 90c @1; pine nuts, 10 @12c pound. Dried Fruits—Apples, 8c per lb; peaches, 10 @12c; pears, 11 1/2 @14c; Italian prunes, 5 @6c; California figs, white, in sacks, 7c per pound; black, 6 @7c; bricks, 75c @2.25 per box; Smyrna, 16 @17c per pound; dates, Persian, 6 1/2 @7c pound.

Hops, Wool, Hides, Etc. Hops—1907 crop, 5 @ 6c pound. Wool—alley, 14 @14 1/2 lb; coarse, 12 @13c; Eastern Oregon, 8 @16c, as to shrinkage.

Mohair—Choice, 18 @19c pound. Cascara Sagrada (chittim bark)—3 1/2 @4c per pound. Oregon Graperoot—Per 100 pounds \$3 @5.

Hides—Dry hides, No. 1, 14c lb; dry kip, No. 1, 13c lb; dry salted, one-third less; dry calf, 15c lb; salted steers, 7 @8c lb; salted cows, 6c lb; stags and bulls, 4c lb; kip, 6c lb; calf, 10 @11c lb; green stock, 1c less; sheepskins, shearings, 10 @25c; short wool, 30 @40c; medium and long wool, according to quality, 50 @90c; dry horses, 50c @1.50; dry colts, 25c; angora, 80c @1; goat, common, 10 @20c.

Oysters, Clams and Fish. Oysters—Shoalwater Bay, per gallon, \$2.25; per sack, \$4.50; Toke Point, \$1.60 per 100; Olympias (120 lbs.), \$6; Olympias, per gallon, \$2.25. Fish—Halibut, 5c lb; black cod, 8c; black bass, 20c; striped bass, 18c; herring, 5c; flounders, 6c; catfish, 11c; shrimp, 12c; perch, 7c; sturgeon, 12c; sea trout, 15c; tom cod, 10c; salmon, fresh, 8 @9c; smelt, 7c; shad, 3 1/2 @4c.

Canned Salmon—Columbia River, 1 pound talls, \$2.10; 2-lb. talls, \$3.00; fancy, 1-lb. flats, \$2.25; 1-lb. flats, \$1.40; fancy, 1-lb. ovals, \$2.75; Alaska talls, pink, 95c; red, \$1.40; nominal, 2s, talls, \$2.10.

Clams—Little neck, per box, \$2.50; razor clams, \$2 per box. Oils, Lead, Etc.

Benzine—V. M. and P. and Union Naphtha, cases, 19c; iron barrels, 12 1/2c.

Coal Oil—Union and pearl and astral oil, cases, 18c per gallon; water white, iron barrels, 10 1/2c; cocene and extra star, cases, 21c; headlight oil, cases, 19c; iron barrels, 12 1/2c; Elaine, cases, 28c.

Lead—Strictly pure white lead, in ton lots, 7c; 500-lb. lots, 8c less; less than 500c lbs., 8c; red lead and litharge, 1c higher than white.

Linseed Oil—Raw, 5-barrel lots, 50c; 1-barrel lots, 51c; in case, 57c; boiled, 5-barrel lots, 52c; 1-barrel lots, 53c; in cases, 59c.

Gasoline—Union and Red Crown, bbls., 15 1/2c; cases, 22c. Motor, bbls., 15 1/2c; cases, 22c. 86 degrees, bbls., 30c; cases, 37c. Engine Distillate, bbls., 9c; cases, 16c.

Turpentine—In cases, 63c; in wood barrels, 61c; in iron barrels, 59 1/2c; in 10-case lots, 62c.

Over Thirty-Five Years. In 1872 there was a great deal of diarrhoea, dysentery and cholera infantum. It was at this time that Chamberlain's Colic, Cholera and Diarrhoea Remedy was first brought into use. It proved more successful than any other remedy or treatment, and has for thirty-five years maintained that record. From a small beginning its sale and use has extended to every part of the United States and to many foreign countries. Nine druggists out of ten will recommend it when their opinion is asked, although they have other medicines that pay them a greater profit. It can always be depended upon, even in the most severe and dangerous cases. For sale by Frank Hart and leading druggists.

Humans and Cigars. "Some people," said the smoker, "remind me of a cigar that burns down one side faster than the other. I suppose you will say that this is because of an unevenness in temperament which makes them—well, not wear smoothly or in an all around fashion. That may be the obvious parallel to draw, but I was thinking of something else. They seem to me like an unevenly burning cigar because their tendency is to get ahead of themselves. They overstep themselves in some important particular or other. They are too eager, for one thing, and they show it. They are too anxious for another, and they show that. They are too desirous of pleasing others for a third. They burn down, in effect, too quickly on one side, and most of them never understand what is the trouble. I'm not much of a philosopher, but I can see that when in the daily routine we show our hand too much, or, rather, get into a state of mind when we can't help showing our hand, the all around results are not apt to be especially satisfactory. To follow out the cigar simile, we consume too fast along a special line of weakness, and a little wind of unpleasantness or misfortune will make the calamity worse."—New York Press.

Bad breath has probably broken off more matches than bad temper, and that's a good many. The best cure for bad breath is the tonic-laxative, Lane's Family Medicate.

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### Notice.

On and after this date, July 16, 1908, no claims will be paid by the Post Exchange, Fort Columbia, Wash., for purchases made, except on order of the Exchange Officer or Steward thereof, or on written order from the same.

GEORGE B. TUTTLE,  
Exchange Officer.