

INVENTED THE LOOM

THE "DRAW BOY" WHO REVOLUTIONIZED SILK WEAVING.

How Joseph Marie Jacquard Fought Poverty, Sickness, Sorrow and Reverses and Finally Won the Battle of His Busy Life.

Joseph Marie Jacquard will always be regarded as one of the foremost inventors in the textile world and his loom as one of the most brilliant of industrial inventions. Few have ever accomplished such a revolution in industry, and still fewer have by so doing alleviated the sufferings and improved the condition of their fellow laborers to the extent realized by Jacquard. Jacquard was in the full sense of the word a self-made man of the people, and it is this fact that makes the study of his life particularly interesting to an American.

Born in Lyons July 7, 1752, son of a silk weaver, he assisted his father at the loom from his earliest years, acting as a "draw boy," as those workmen were termed who pulled the strings by which means the warp was manipulated on the old looms so as to weave figured goods. Here he became familiar with all the woes of the "draw boy's" life, and so deeply did they impress themselves on his mind that the desire to do away with this drudgery continued to be his leading thought throughout life. The boy's health gave way at the loom, so he was apprenticed to a bookbinder and later to a type founder. But the demon of inventive genius had already seized upon him, and he spent most of his time in tinkering and was regarded as hopelessly lazy by those around him.

When Jacquard was twenty years of age, his father died, leaving him a small patrimony, with which the young man began weaving broads on his own account and soon after married. But he devoted most of his time to tinkering around on his looms, and this, with his inexperience, brought about his business failure within a few years.

Silk industry being at a low tide, young Jacquard had to accept work in a linen mill, while his wife found employment in plaiting straw hats.

In 1790 the idea of a loom that would do away with the "draw boys" assumed definite shape in Jacquard's mind, but his extreme poverty rendered it impossible for him to construct a model at that time. However, he did not despair, and a copy of "Poor Richard's Almanac," which came into his hands about this time, encouraged him all the more to persevere and to try to triumph in spite of his poverty.

Domestic afflictions now overwhelmed him. Having enlisted in the army for the national defense with his young son, he saw the latter fall at his side in an engagement on the Rhine. Returning to Lyons Jacquard arrived just in time to be at the deathbed of his wife.

He was employed as day laborer in a factory and devoted his evenings to a great zeal to the modeling of his favorite idea. Most of the work was done with a jackknife. In 1800 his loom was finished. A model sent to the industrial exposition in 1801 brought him a bronze medal and a call to Paris to repair the looms of the Conservatoire des Arts et Metiers at a salary of 3,000 francs per annum. While there he saw the loom with which Vaucanson had vainly tried to solve the question which occupied Jacquard, and from this loom our inventor gained some new ideas. He returned to Lyons and after two years' faithful work succeeded in bringing forth a loom which effectively solved the difficulty and enabled a single weaver to weave figured goods. The government at once granted him a pension of 3,000 francs and a royalty of 50 francs per loom.

To understand exactly the value of this invention it must be borne in mind that up to this time the weaving of figured goods required from five to ten workmen to each loom, most of them being employed in pulling the strings, by which means the warp was opened for the passage of the shuttle. A string had to be drawn for every passage of the shuttle. Thus the "draw boys" had to work rapidly. The pulling was heavy, necessitating a strained position and requiring the most painful exactness, as a single mistake would mar the figure. For this clumsy apparatus of strings and pedals, requiring the attention of a number of workmen, Jacquard substituted a contrivance as simple as ingenious, enabling a single workman to execute the most complex patterns as easily as plain goods. Not only were the "draw boys" dispensed with, but the goods were made with a finish and exactness which before were not even dreamed of.

However, in spite of Jacquard's complete success, his loom was neither generally taken up by manufacturers at once nor the invention hailed with delight by the weavers. Every new loom threw four or more workmen out of work. Even the "draw boys" preferred a life of torture and debauchery to starvation. Jacquard was publicly assaulted by his enraged fellow workmen and almost precipitated into the Rhone. Even the conseil des prud'hommes at one time ordered the destruction of the new loom to appease the wrath of the weavers. But Jacquard's loom, like every truly great invention, was bound to triumph, and by 1812 it had firmly established itself throughout the Lyons workshops.

Numerous lucrative offers were now made Jacquard from abroad, particularly from England, but he preferred remaining in Lyons, giving himself up entirely to his native town. Later on he purchased a small estate at Oullins, near Lyons, where he died Aug. 7, 1834, aged eighty-two years.

It may be said that to Jacquard's invention is due not only the greatness of Lyons in the silk world, but the tremendous expansion of the silk industry the world over as well. Its influence has, however, not been confined to the silk world, the weaving of cotton, linen, wool, jute, etc., having been effected almost as much as that of silk.

Not to Be Desired.

"My dear," said Mrs. Parvau in her superior way, "I am surprised to see you eating that breakfast food."

"But I like it," protested the unsophisticated Mr. Parvau, "and why shouldn't I eat it? It's strengthening, and the manufacturers make great claims for it."

"They claim," said Mrs. Parvau severely, "that it makes 'good red blood,' to use their own words."

"Well, isn't that what we all want?" asked Mr. Parvau.

"James," said Mrs. Parvau, "I'm surprised at you. You know as well as I do that what we want is aristocratic fine blood."



After Baby Comes.

In the days following the baby's birth there is often a long up-hill struggle to recover strength, and the nurse busies herself in the preparation of jellies and broths for the invalid.

When Dr. Pierce's Favorite Prescription is used as a preparative for motherhood the baby's advent is practically painless, there is abundant strength to nurse and nourish the child, and a rapid recovery from the shock and strain inseparable from maternity.

"I was pleased that Dr. Pierce answered my letter," writes Mrs. C. W. Young of South Egypt Street (Los Park), Wilkesbarre, Penna. "When I had those mishaps I began to think I would never have children. My back used to almost break and I would get sick at my stomach and have such headaches I did not know what to do; they used to set me nearly crazy, and I used to dread to get up. I felt so bad, then I began taking Dr. Pierce's Favorite Prescription. When baby was expected I took it all the time I was that way. I felt fine all the time, and I never got those dizzy spells now. I hardly ever have a nervous headache any more. I have a perfect romp of a boy; he is the light of our home. I am now twenty years old and my baby is almost eight months old. I now feel well, I weigh 110 pounds, and the baby 21½ pounds. We feel very grateful for the good your medicine has done for us. We are both healthy, thanks to Dr. Pierce's medicine."

Dr. Pierce's Pleasant Pellets keep the bowels healthy.

Work of Blind Sculptors.

There have been several cases recorded in which famous sculptors have been blind. Dr. Vidal, the well known French sculptor, was blind. He made a special study of animals, surrounding himself with pets of all kinds, which he would fondle until he was able to reproduce them in clay with a skill that surpassed any of his contemporaries. On one occasion, in order that he might make a true model of a lion, he obtained permission from the proprietor of a menagerie to enter (accompanied by the tamer) a cage containing a magnificent specimen of the king of beasts, which he stroked and caressed until he had acquired an exact conception of its shape and mien. Giovanni Gambasio, the sculptor, had been deprived of his sight for ten years before the idea came to him to be an artist. His fame as a sculptor spreading abroad, he was sent by the Grand Duke of Tuscany to Rome to model the statue of Pope Urban VIII.—Ladies' Home Journal.

An Amateur Brass Band.

A well known band was practically two men short. It had its full strength numerically, but two of the regular members had not been able to come, and in their stead had been pressed a couple of "followers," who (in the vernacular) "could not play for nuts." Effectually to prevent their getting out a single sound, the conductor had jammed a cork into their instruments, or, rather, the instruments they carried. So that they were players and yet not players; they counted as two, but otherwise they were a source of weakness rather than of strength. Handicapped though the band thus was, however, it succeeded in carrying off the first prize.—Good Words.

In the Bargain Store.

Mrs. Barnes—Why, how do you do, Mrs. Howes? Isn't this the last place you'd expect to see me? I only came in just for fun, you know. Wouldn't think of buying anything here, of course.

Mrs. Barnes—Of course not. The idea of anybody buying anything in such a place!

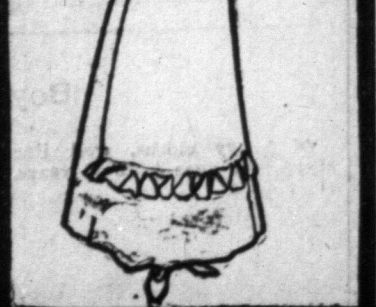
Later.—Mrs. Howes (solus)—H'm! She can't fool me. I'll bet she does all her shopping here.

Mrs. Barnes—Now I've found out where that woman gets all her clothes. I might have known by the looks of them.

—Boston Transcript.

Sultan and His Camera.

The sultan of Morocco has a \$10,500 camera. And there is no doubt that when he says "Look pleasant, please," they all do. If they don't, he takes their heads in another way.—Cleveland Plain Dealer.



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Is a Pure, Hard, Solid Soap. Economical in wearing qualities.

Most satisfactory in results. Gives the whitest clothes, clean and sweet.

You make the best bargain in soap when you buy

SURPRISE

TELEGRAPH

Lieut. E. E. Allen, of Windsor, has been ordered to report at London tomorrow to assume his duties in the Canadian regiment now being recruited for South Africa.

Lambert Wigle, Kingsville, and Alexander Holmes, Detroit, formerly of Windsor, have enlisted at London to go to South Africa with the regiment now being mobilized at Halifax.

The London city council has ratified the extension of the lease of the London & Port Stanley Railway to the Lake Erie & Detroit River Railway, and the new agreement will go into effect immediately.

Street Commissioner Bangham, Windsor, has returned from the New York dog show, where he was successful in carrying off two fourth prizes with his pointer, Duke of Vassar, and setter, Searchlight.

E. V. Decaire, of Belle River, some two years ago invested \$200 in a Yukon gold mining company. He heard no more of his investment until a short time ago when he received an offer of \$10,000 for his stock. He refused the offer, but said he would sell for \$15,000 and he has received a check for this amount.

DID WELL

The Christmas Entertainment of the Christ Church Sunday School very Successful.

The annual entertainment of the Christ Church Sunday School took place on Monday evening and was most successful and enjoyable from every standpoint.

The program was presented in the Lecture Hall, which was tastefully decorated for the occasion, and was one of exceptional merit. Every student who contributed did exceptionally well, and all the numbers were heartily honored by the large audience which literally packed the building.

The entertainment was one of the most successful in the history of the church.

The full program was as follows:—Prayer—Rev. R. McCosh. Chairman's Address—M. Wilson, K. C.

Irish Song—Ben. Brownlee and Sep. Poole.

Recitation—Jessie Brownlee. Song and March—Infant Class. Mandolin Duets—Rhoda Perry and Will Wrigley.

Recitation—Mildred McLean. Nursery Rhymes—Mrs. McKinnon's Class.

Piano Solo—Harry Keller. Recitation—Harry McCosh. Dr. R. V. Bray's Album: Harriette Barassin—Brittania. Meta Wilson—Tulip.

Helen Atkinson—Cadeet Girl. Eva Barassin—Choir Girl. Helen Thomas—Duchess of Devonshire.

Mabel Wemp—Golf Girl.

Verna Sheldon—Japanese Girl. Evelyn McLean—Japanese Girl.

Amy Boyles—Souvenir of the Empire.

Nellie Richardson—Tambourine Girl.

Edith Barassin—A Christian Herald.

Recitation—Gertie Kendall. Christmas Trees—Mrs. McKinnon's Class.

Solo and Chorus—Clifford Nagle and boys of Mr. Shackleton's Class.

Presentation to Mr. Shackleton, by his class.

God Save the King.

"They differ as to religion."

"Why, I didn't suppose that either of them cared a rap about religion!"

"Well, they didn't until they found out that they differed as to it!"

"Young Mr. Margin seems very familiar with the stock market."

"I don't think so."

"He discusses it with great confidence."

"But any one really familiar with the market knows better than to display confidence."

... Scene in a Local Park ...



TOUGH ON WILLIE.

Nurse—"For Havin' sake! phat are ye a-doin'?" Jimmie—"Oh! we're only playin' French airship an' Willie is Santos-Dumont."

Theatrical

Mr. and Mrs. E. R. Spencer, supported by an excellent company, which includes Mr. Wilard Newell and Miss Lola Swallow among the better known artists, are being presented this season by Shipman Brothers in their great romantic comedy success, "A Cavalier of France." The play is a beautiful one, and as it has won golden encomiums in the past, for itself and for the various artists interpreting the various characters, it may be believed that the attraction is to be one of excellence. It will be seen at the Grand to-night, and the local management are most confident that the "Standing Room Only" sign will be early displayed.

Lincoln J. Carter's new romantic drama, "The Flaming Arrow," with Go Won Go Mohawk, the only Indian actress in the world, in the title role will be the attraction at the Grand Opera House next week. Mr. Carter has spared no expense in providing his attraction with a lavish amount of scenery. The settings are taken from actual scenes in the far west and are marvels of beauty and accurateness. To add to the realism, a band of genuine Indians are carried, also horses and donkeys. The cast is in the hands of good, reputable dramatic artists and nothing has been overlooked to make this the best production that Mr. Carter has ever placed on the road.

Red Flash, the famous Indian runner who carried Ouster's last message, is one of the most interesting of a group of famous red men now with Go Won Go Mohawk, the celebrated Indian actress starring in Lincoln J. Carter's new romantic drama, "The Flaming Arrow," soon to be presented in this city.

Richard Carle's famous musical comedy, "Man'sella 'Awkins," with Della Stacey, Carolyn Huestis and 35 other other clever entertainers will be at the Grand for one performance on Jan'y 4.

McEwen, the Scottish Hypnotist, will play his annual engagement here during the week of Jan'y 13th.

In His Favor.

She—Papa says that a young man who smokes cigarettes will never set the world on fire.

He—Well, that's the first good thing I ever heard any one say of a cigarette smoker.—Yonkers Statesman.

An Impression.

"I am very much afraid," said Miss Cayenne, "that I am losing my reputation as a keen observer and a satirist."

"That makes you think so?"

"Several people yesterday said they were glad to see me as if they really meant it."—Washington Star.

Laudable Ambition.

She—Why is Grace going to marry Mr. Muchwed? He has already had three wives.

He—I don't know. I suppose she's marrying him to reform him.—Smart Set.

Then They Smiled.

Clara—I always like contrasts. There's no beauty to me in a sameness.

Mertie—Yes. I notice that you always associate with handsome girls.—Philadelphia North American.

His Scheme.

Towne—I see Gayman had to pay Miss Key \$25,000 for breach of promising his Brownie—Yes, and now he's trying to marry her for her money.—Philadelphia Press.

The Philosophy of It.

"Uncle Jim, what would you do of de bank failed tomorrow?"

"Thank de Lawd dat I never had a dollar ter put in it!"—Atlanta Constitution.

A Hope.

"It takes three generations to make a true gentleman."

"Indeed! I congratulate your grandson on his prospects."—New York World.

Something Doing.

Irate Customer—See here, Fitz, I'm tired of being damned by you.

Tailor—Very likely, and I'm tired of being done by you.—Chicago News.

VIN ST MICHEL

Avivifying Stimulant. A great bracing and blood making Tonic Wine.

For the Over-worked Business Man and Worn Professional Man

whose mind is constantly absorbed by the worries of the struggle for life, or the tiresome work of the office sedentary life, the use of

VIN ST MICHEL

is necessary. This powerful stimulant and blood making tonic wine acts as an invigorating tonic for the tired body and overworked brain, and assures a refreshing sleep, good digestion, steady nerves, strong muscles, bright eyes and clear minds.

For sale by every Druggists and Wine Merchants.

Massey & Knight

Will be Pleased to Fill Your Orders For

Yolk Baking Powder

The Purest and Most Wholesome Baking Powder On The Market.

CAN'T BREAK THEM

"C.R.CO."

HEAVY CORRUGATED

TRADE MARK

RUBBERS

THE CANADIAN RUBBER CO.

We Are Not

going to have a musician of this kind to attract attention at our store during the holidays, but we want to call your attention to the fact that we have a line of holiday presents that we think will surpass anything else in Chatham. Our goods are of that order that when you present them to a friend, whether man or woman, they are lasting and will remind them in after years of the friend who has been so kind to them in the past. Bear this in mind when you are selecting Christmas presents for your friend and go to Geo. Stephens, Quinn & Douglas

Geo. Stephens, Quinn & Douglas

Please Deliver

Your Wheat, Beans, Barley, Oats, Corn, Buckwheat and Grass Seed to the Blenheim Mills, Blenheim, or at Kent Mills, Chatham, where you will get the highest cash price.

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Annouice-ment ==

Our Xmas Stock.

Has been carefully selected for use as well as ornamental.

Call and see our selection of Ebony Goods composed of

Brush and Comb Sets, Hair, Military, Hand, Hat, Cloth, Tooth and Nail Brushes, Etc. Mirrors—Stand and Hand, Bonnet Brooms, Manicure Sets and Files.

Our Perfume Stock

Include all the leading imported and domestic manufacturers, such as

Rogers & Gallet, Seely Pinaud, Pivers, Bourjois, Atkinson, Gofgate, Woodworth, Lubins, Stearns.

Also a choice and complete line of

Toilet Atomizers, Purses, Chatelaine Bags, Etc.

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For a Cold to Catch you

Have a bottle of **Radley's Cough Balm** in the house to catch and cure the cold.

A few doses relieves the cough and allays the irritation. Part of a bottle usually cures. If after using half a bottle it fails in your particular case return the bottle and your money will be refunded.

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NOTICE that sweet, delicious taste that our baked goods always have!

Our Bread, Pies, Cakes, Buns, etc., are always fresh and tasty. Once a customer you will stay with us.

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HARD AND SOFT of best quality and at lowest prices.

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ROUND STEAK 90 a pound

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