

The St. Louis Star-Sayings maintains that the day of gigantic farms is past.

A French astronomer has discovered a marked change in Europe's weather during the past five years.

The Italian troubles have diverted American travel from Rome, and the shopkeepers say their losses have been very large.

There are more women in British India (124,000,000) than there are men, women and children in Great Britain, France and Germany put together, with the population of several minor European States cast in as well.

Queen Victoria now rules, subject to the limitations of the British constitution, over a population scattered in the four quarters of the globe and the islands of the sea, aggregating 376,000,000, a greater number than has ever acknowledged the sovereignty of one person in ancient or modern times.

German women, led by Fraulein Lange, have petitioned the Government for gymnasia for women students which shall be empowered to grant diplomas and honors equal to those granted to men. This has been granted, the headquarters being at Weimar. The setting apart of special State institutions has been refused.

The latest reports from China are to the effect that the native opposition to all work of railroad construction, if less fanatical than it was a short time ago, is still obstinate and serious. When work was begun, a short time ago, upon the projected line at Kaping, the attitude of the Cantonese was so menacing that more than one-half of the English workmen were compelled to retire.

Professor Elisha Gray remarks that electrical science has made greater advance in the last twenty years than in all the 6000 historic years preceding. More is discovered in one day now than in 1000 years formerly. We find all sorts of work for electricity to do. We make it carry our messages, drive our engines, ring our door bell and scare the burglar; we take it as a medicine, light our gas with it, see by it, hear from it talk with it, and now we are beginning to teach it to write. What will it not yet be doing for us? asks the Boston Transcript.

Japanese immigration is disturbing the serenity of the Californian mind. There are now 5000 Japanese in San Francisco, with as many more scattered over the State. At the present rate of arrival they will number over 20,000 within five years. This immigration is considered, asserts the Atlanta Constitution, a more serious matter than that of the Chinese for the cheap labor of the latter competed only with unskilled industries whereas the Japanese are skilled trades men—carpenters, cabinet makers, shoe makers, tailors, and the like, and they work and thrive at low rates of wages.

The Census Bureau has published a statement showing in detail the receipts and expenditures of one hundred principal cities in the United States. The cities mentioned contained an aggregate population of 12,425,336, or about two-thirds of the city population of the country. The total annual ordinary expenditures amounted to \$234,626,655, or nearly \$19 per capita. Assuming the expenses of the remaining 334 cities or 8000 and upwards containing the other third of our city population to be in the same proportion, it costs \$353,000,000 to run our cities. It must be conceded, says the Philadelphia Times, that while cities may be both necessary and desirable they are expensive.

The Omaha, (Neb.) Bee prints an exhaustive review of the commercial and financial condition of Nebraska by counties, showing remarkable development. The most important phase of the exhibit is the showing of deposits in the State and National banks, which reach the aggregate of \$50,507,043, or \$47 per capita, showing that in spite of the failure of crops in the western part of the State last year and low prices for a series of years, the people are in exceptionally good financial condition, with almost enough cash on deposit to liquidate the entire farm mortgage indebtedness of the State. In 1868 the value of property was \$32,000,000; the actual valuation in 1891 is \$1,585,160,300. The estimated yield for this year in all crops is greater than ever before. Seven years ago no cattle or hogs were slaughtered. To-day Omaha is the third packing centre in the Union. The creamery capacity of the State is 50,000 pounds of butter a day. The educational system comprises 5740 schoolhouses, valued with sites and apparatus at \$4,000,000. The railroads operate 5345 miles of track. There are yet over 13,000,000 acres of unimproved land, only 10,000,000 acres under plow.

While the population of Ireland is declining, that of Scotland shows a considerable increase for the decade.

It will cost \$9,478,547 to run the City of Brooklyn during 1892. This is at the rate of \$11 for every man, woman and child in the city.

The Maine Farmer makes this suggestion. Set the tramps at work repairing the roads in payment for their lodging. They have done their share toward wearing out the roads and have an interest in keeping them in good condition. But pay them fair wages to encourage them in ways of industry.

The San Francisco Chronicle considers that Lieutenant Finley's scheme to insure fruit and crops in California against the northers is a good one. If insurance companies find profit in guaranteeing Mississippi valley farmers against damage by cyclones, they certainly ought to make it pay to insure our orchards.

In Iowa no gas works or electric-light plants may be established by any city or town, until a majority of the legal voters thereof, at a general or special election, shall decide in favor of the improvement. The council may order the question whether such gas or electric-light plant shall be established by the city or town, submitted to a vote at any general election, or at any election especially called for that purpose.

The Scotch lassies have always had to go begging for Scotch laddies, because for every Highland laddie there were at least five lassies. But now, announces the New York Commercial Advertiser, the condition of affairs bids fair to change. During the last ten years fewer baby girls have been born in Scotland than baby boys. And ten years from now the Highland laddie will be proud to buy a bunch of blue ribbon for a lassie, and will not be willing to leave her while he stays long at the fair.

It is a revelation of the extent to which the use of narcotics has increased, laments Frank Leslie's, that an institution is about to be erected in Brooklyn for the sole treatment of victims of the morphine and cocaine habit. Dr. J. B. Mattison, who has devised a unique method of cure, is at the head of the movement to build the Brooklyn Home for Habitues, the first institution of its kind in the United States, and which it is proposed to devote exclusively to the treatment of the victims of narcotics. Arrangements have been made for the care of twelve free patients, while others will be obliged to pay. An endowment fund of \$60,000 for the free wards is now being successfully raised, and the home will be erected during the ensuing summer.

The Chicago Post observes a story suggesting the Hon. Joseph Mulhatton at his best comes to us from glorious Colorado. It tells of a young English lady, accomplished and beautiful, of course, who, while out sketching the magnificent pictures of nature, was surrounded by fifty head of wild cattle. They moved toward her threateningly, the finished romancist goes on to state, and, at a loss to know what else to do, the fair girl braced herself and began to sing in sweet, pure, soulful tones the soldier's chorus from "Faust." Upon this, according to the vivacious narrator, the animals, one after another, charmed by the delicious music, began quietly to graze and the brave young woman "walked through them" without being molested. While admiring her intrepid feat of walking through wild cattle, one cannot but wonder how the fierce animals would have treated her had she selected Wagner music for the occasion.

While the South is making such notable progress, Mexico has awakened from her long slumber, notes the New York News, and is working out her manifest destiny. For generations that country has dwelt in idleness and its vast natural wealth has been left untouched. Under the wise administration of President Diaz, however, a new era has been begun and a wonderful change is taking place, both politically and morally, among the people. Native genius has suddenly become active. The Government is inviting immigration. Capital is flowing in to aid domestic industries and the State is making judicious provision for the education of the masses. Improved financial legislation is doing much to establish the present constitutional Government upon a solid and popular basis. Railroads are penetrating comparatively unknown regions, yet among the richest in the republic, and we read of great settlements of Mormons, prosperously engaged in agriculture, with a soil around them so fertile that it needs to be only "tackled with a hoe to laugh with a harvest." In brief, growth is going on at a rate which indicates that the land of the Montezumas is on the eve of a period of prosperity that may soon eclipse its legendary grandeur.

THE NEWS EPITOMIZED.

Eastern and Middle States.

By order of Secretary Foster eighty-six employees of the New York Custom House were removed from office and ten were placed under reduced salaries.

FREDERICK C. HAVEMEYER died of the grip at his home near Westchester, N. Y. He was in his eighty-sixth year. He was the founder of the well known Havemeyer sugar firm.

While sitting under a tree watching a ball game at Warren, Penn., two young men were instantly killed by lightning, which tore the coat and burned the shoulder of one.

W. S. RUSSELL, arrested at Rochester, N. Y., confessed that for a year he had made his living by stealing bicycles. He says that in the year he stole fifty.

The President accepted the resignation of Joel B. Edwards, Collector of the Port of New York and has designated J. Sloat Bassett, of Elmira, N. Y., as his successor.

The proprietor of the New York Herald was indicted for publishing all the news of the recent quadruple electrocutions in Sing Sing Prison in violation of the new law.

The business men of Johnstown, Penn., have decided to sue the New York Club for damages sustained through the great flood.

The new puddling mill of the Pittsburg Oil Well Supply Company at Franktown, Penn., collapsed, killing three men and seriously injuring three others.

JOEL MOORE, a wealthy citizen of Jeannette, Penn., who mysteriously disappeared recently, was found in an old cave, half famished and almost dead from exposure. The old man had been taken to the cave by Joseph and Madison Johnston, two desperate characters, and robbed.

The joint forces of the White Squadron and the Naval Reserve made a sham attack on Fisher's Island; Governor Bulkeley, of Connecticut, was taken with honors on board the Stonington.

Mrs. MARK HOPKINS SEARLES, who died recently at Methuen, Mass., left her whole estate, valued at \$30,000,000, to Mr. Searles.

GEORGE HARLOW, aged twenty-one years, of South Robbinston, Me., quarreled with his father. Then taking his gun, loaded with buckshot, he went to a pasture and killed himself.

The United States steamship Philadelphia and Petrel of the North Atlantic Squadron, with Admiral Gerhardt on board, dropped anchor at Bar Harbor, Me.

The three story pulp mill of the Glen's Falls Company at Ticonderoga, N. Y., was burned. Loss, \$50,000.

The drill of the New York Naval Reserve came to a close with a review at Fisher's Island.

South and West.

FIVE men got into a fight over the division of a watermelon, at Alton, Ill., and two were stabbed fatally.

TWO Shoshone Indians, Spruce Aleck and Laughing Charley, fought a bloody duel at an Indian camp near Wells, Nev. The trouble was about a squaw. The Indians were hobbled together and fought with knives. They were horribly mangled.

SARCEL SANDS, the oldest printer in the United States, and who when a boy, in 1814, first "set up" the "Star-Spangled Banner" from Francis Scott Key's manuscript died in his ninety-second year, at his son's home, at Lake Roland, Maryland.

UNKNOWN men burned Thomas Hill and his family out of bed, near Amity, Ark. The father was shot dead when coming out of the house with a child in his arms.

The Berkeley Land Syndicate of Denver, Col., made a \$400,000 assignment.

WILLIAM HACKER, one of the most prominent Masons in the United States, died recently at Shelbyville, Ind.

GOVERNOR BUCHANAN, of Tennessee, decided to call an extra session of the Legislature for August 17 to act upon the whole pending question of secession.

A DEFICIENCY of \$75,000 has been discovered in the express office at Kountze, Texas.

The Maryland Prohibition State Convention at Baltimore chose by acclamation the following ticket: Governor—Edwin Higgins, of Baltimore; Comptroller—Joshua Levering; Attorney-General—Hosea B. Moulton; Clerk of the Court of Appeals—Levin S. Nelson.

DAVID KING, a brutal husband, was taken from jail at Dixon, Ky., was hung, riddled with bullets, and buried in the woods by a lynching party.

GRASSHOPPERS are eating up the oats in the border counties of Ohio and Indiana.

The Maryland Democratic State Convention met at Baltimore and nominated Frank Brown for Governor, and passed resolutions commending Senator Sherman.

Mrs. MARTHA D. WASHINGTON, of Denton, Texas, widow of Dr. Washington, died there on a recent day, aged seventy-one years. Deceased was the wife of a grandson of the illustrious Father of his Country, and perhaps the most direct descendant.

GEORGE WASHINGTON ROBERTS accidentally killed his father at Covington, Ga., while attempting to shoot a colored man who was trying to stab his father, and has lost his mind. It has been found necessary to place guards over him to restrain him from killing himself.

ISRAEL WHITE was executed in the jail yard at Helena, Ark., for the murder of Prince Malloy, a colored man in good circumstances.

FIFTY kegs of powder exploded and wrecked the Alabama Great Southern Depot at Birmingham, Ala.

WILLIAM CALDWELL, colored, was hanged at Houston, Texas, for the murder of Dr. J. M. Shamblin just three years ago.

eleventh census had been discharged up to a recent time.

SECRETARY COMPTROLLER GILKESON decided that there is no authority of law for the change made two years ago by the Secretary of the Navy in the rating of the Marine band as fixed by the act of 1861, under which the band was organized.

It was announced that Secretary of the Interior Noble's resignation had been placed in the hands of the President.

COMPTROLLER OF THE CURRENCY LACEY has sent out a circular to all National banks suggesting prompt action on the part of those banks that have circulation secured by 4 1/2 per cent. bonds, either to secure the continuance of the bonds or deposit other bonds in their place.

SECRETARY TRACY finally decided to award the contract for building cruiser No. 13 to Cramp & Sons, of Philadelphia, although the Bath Iron Works, of Maine, were the lowest bidders.

A PROCLAMATION was issued by the President making public the provisions of the treaty with Spain in regard to the trade of the United States with the islands of Cuba and Porto Rico.

ABOUT 800 clerks were dismissed from the United States Census Office at Washington, and other dismissals will follow, until the force is reduced to 1000 clerks.

Foreign.

The Foreign Committee of the World's Fair Commission gave a banquet in London at which many prominent Englishmen were present; assurances were given of English aid.

ACCORDING to advices from San Salvador the population of that country is now 664,513, or seventy inhabitants to the square mile. During 1890 the imports of the country were \$3,495,291, and the exports \$7,578,733.

A DISPATCH from Santiago, Chili, says that Claudio Vileuna has been elected President. He will assume the office on the 18th of September.

DISPATCHES received from Mecca say that the death rate from cholera is 140 a day at that place and thirty daily at Djeddah.

FOURTEEN employees of the Essen (Prussia) Water Works were drowned while crossing the Ruhr River.

SIR RICHARD CARSWRIGHT'S United States reciprocity resolution was voted down in the Canadian Dominion House by eighty-eight to 114.

An immense crowd of people, estimated at 25,000, gathered at St. Mande, France, to witness the funerals of the victims of the terrible railway disaster. There were twenty-four hearse in the line, and thousands of mourners followed the bodies to the grave. All the houses of St. Mande were draped with signs of mourning.

JOHN DILLON and William O'Brien, the Home Rule Agitators, have been released from Clonmel Jail by the British authorities.

ITALY has concluded a loan of \$10,000,000 through a Berlin syndicate.

M. DUBOIS, the champion bicyclist of France, was murdered at Luz by a tramp workman, who blocked his way and refused to let him ride past.

THE census of Jamaica, just completed, shows an increase in population of 55,637 in a total of 580,802.

STARVATION has caused several bread riots in Calabria, Russia, and village shops are plundered. One of the most horrible taking handfuls of sawdust away with them as souvenirs of the executions.

SMOKE BERGEMINE, postmaster at Mahons Bay, Nova Scotia, is under arrest charged with stealing a ten thousand dollar package from the mails.

COTTON to the value of \$250,000 was destroyed by fire at Liverpool, England.

BRITISH army authorities are seriously alarmed by the information that socialistic literature is being widely distributed among the enlisted men.

THERE was a fatal collision in the English Channel, off Dover, England. The steamer Godmunding collided with and sank the Norwegian schooner Lorma. Eight persons were drowned.

VESTVIG has again burst forth into a state of eruption. The lava reached the village of Rio del Cavallo.

SIX persons were killed by an explosion of fire-damp in the Karligueck pit in Westphalia.

Mr. FARNELL's overture to Messrs. Dillon and O'Brien for a renunciation of their forces were rejected. Mr. Farnell has been deserted by the Dublin Freeman's Journal.

STATE ELECTIONS OF 1891.

Arkansas, January 23, elected an Associate Justice of the Supreme Court. Delaware, May 12, rejected a proposition to hold a convention to revise the Constitution of the State.

Iowa, November 3, will elect Governor and other State officers and Legislature. Kentucky, August 3, elected Governor and other State officers and Legislature, and voted upon the Constitution framed by the Convention which was elected August 4, 1890.

Maryland, November 3, will elect Governor and other State officers and Legislature, and vote upon six proposed amendments to the Constitution of the State.

Massachusetts, November 3, will elect Governor and other State officers and Legislature. Michigan, April 6, elected Justice of the Supreme Court and two Regents of the State University.

Rhode Island, November 3, will elect three Railroad Commissioners and Legislature. Nebraska, November 3, will elect Associate Justice of the Supreme Court and two Regents of the State University.

SHOCKING EXECUTION.

Two Desperate Murderers Guiltotined in Paris.

One Fights For His Life Under the Knife.

The execution of young Berland and Dore, two accomplices of the woman Berland in what is known as the Courbevois murder, took place in Paris, France, on a recent morning. The usual crowds of people had gathered during the night and early that morning on the famous Place de la Roquette, where all Paris executions by the guillotine take place. The officers managed to maintain a prayerworthy degree of order, in view of the mixed, rough, law-defying concourse of people that had to deal with it. Dore, when he was aroused at an early hour, rubbed his eyes, scowled at his visitors, and then, guessing the object of their coming, he relaxed into a state of stolid indifference, and seemed, to all outward appearance, to be utterly indifferent as to what was taking place. He dressed himself calmly and, under the circumstances, quickly, and thanked the prison officials in a firm, low voice for the kindness which they had shown him. Dore, however, did not reply to the words addressed to him by Fabbe Dore, the well-known prison chaplain. Dore left his cell and the prison a few minutes later with extreme composure, but he showed a tremor as he reached the shadow of his red-painted up-rights of the guillotine and caught sight of the deadly shining knife. The executioners helped him up the steps to the platform of the guillotine, and quickly threw him upon the bascule, strapped him down, slid his head into the lunette, and in a second or so the knife fell, and Dore's head rolled into the sawdust-filled basket.

Young Berland died in an entirely different manner. When he was awakened he showed a considerable amount of bravado, and remarked, with a hideous smile, "No more card-playing for me." In conversation with the prison officials and executioners while his toilet was being made, Berland showed that he resented his mother's reproach, and that he was much disappointed that he was not to die with him. When all the preparations for death were made, Berland walked jauntily across the prison yard, and maintained his air of bravado and cool indifference until he reached the platform of the guillotine. Just as the executioners were upon the point of throwing him upon the bascule, or sliding plank, to which he was to be strapped previous to being pushed beneath the knife, Berland made a desperate resistance, and a terrible scene took place in full view of the thousands of eager spectators. In spite of his struggles, however, the executioners and guards held Berland upon the scaffold and eventually threw him upon the fatal plank, slid him beneath the grim uprights, and, as the young criminal was writhing furiously, the knife fell, and Berland's head rolled into the basket.

No sooner had this occurred than the crowd, with a great rush, broke through the cordons of troops and police, and, rushing up to the scaffold, gazed over the blood-stained apparatus, some of the most horrible taking handfuls of sawdust away with them as souvenirs of the executions.

NEWSY GLEANINGS.

CHICAGO has 15,000 Italians.

SMALLPOX is raging in Honduras.

ENGLAND is to have free public schools.

SOUTHERN CHINA is in a state of turmoil. SEALING has been stopped in Behring Sea.

PARCHED INDIA is at last relieved by rain.

REPORTS of the crops are generally favorable.

FRANCE has taken formal possession of Tahiti.

NEW YORK CITY has 3543 public school teachers.

The New Orleans mint is turning out 100,000 dimes daily.

THE convicts have been sent back to the mines in Tennessee.

BANKERS estimate that it will take \$50,000,000 to move the crops this year.

GOLD in Buenos Ayres, Argentine Republic, is now at 317 per cent. premium.

CHINESE immigrants are coming to California by means of bogus certificates.

FROM \$75,000 to \$100,000 is the cost of the electrical outfit on one of our new cruisers.

THE attendance on the races has fallen off at least twenty-five per cent. within a year.

A TOWN has been discovered in the Andes Mountains nearly 18,000 feet above sea level.

A CALIFORNIA lobbyist sues twenty-four members of the Legislature for services rendered.

THE internal revenue receipts for the last fiscal year show an increase of \$3,440,680 over 1890.

THE police statistics show that 130,000 persons are dependent upon charity for subsistence in Naples, Italy.

IN Lawrence County, Ill., a disease is raging among cattle which kills within fifteen minutes after the attack.

THE German Bundesrath is preparing a bill for the suppression of vice in which the Emperor is greatly interested.

THE Chileans are organizing small armies of recruits in the Argentine Republic and other South American countries.

REGARDING the recent experiments in New York State as entirely successful, Germany is about to introduce "electrocutation."

THUS far an aggregate of \$2,605,000 has been appropriated by twenty-nine States for representation at the World's Fair at Chicago, Ill.

SOME of the small shopkeepers of Paris have appealed to the Pope for protection from the big concerns that are driving them out of trade.

THE NATIONAL GAME.

THORNTON is the Philadelphia League's pitcher.

THE scramble for next year's players is now on.

FITCHER CARUTHERS still leads the Brooklyn list in batting.

FOUNT has become the most timely hitter in the Brooklyn team.

THE Cincinnati Association Baseball Club has released Ed. Andrews.

FITCHER of the name of Fitzgerald are becoming confusingly numerous.

FITCHER KNAUS, of Pittsburgh, is subjecting his arm to electric treatment.

CORKHILL and Beecher have been released by the Philadelphia Athletic Club.

BUFFINGTON is now considered the Boston Association Club's most reliable pitcher.

CLEVELAND hits Rude of the New Yorks harder than any other team in the League.

ROGER CONNOR, of the New Yorks, is the most graceful first baseman in the business.

THE New York Club is hunting among minor New England teams for battery material.

BROTHERS, of the Boston Association Club, is looming up as a base-runner this season.

HUTCHINSON, Clarkson, Rude and Young are the most successful League pitchers this season.

MASSACHUSETTS has more professional baseball clubs than any other State in the Union.

BALTIMORE has released Pitcher Bakely. That about ends him as a major league pitcher.

TREBUE, of Cleveland, in a recent game with the Pittsburghs stole third base while Pitcher King held the ball.

SECRETARY FOSTER grows so enthusiastic when he sees good baseball play that he throws up his hat like any boy.

BOSTON'S Association nine continues to play fine games of ball, and appears to be reasonably sure of the pennant.

THE race of the National League teams is phenomenal. Never before have they been so closely bunched at the half-mile post.

OLIVER TREBUE, of Cleveland, is the youngest man who has ever been captain and manager of a National League Club.

WEAVER, of Louisville, owns 700 acres of land out in Kansas and is one of the Vice-Presidents of the Farmers' Alliance of that State.

A PITCHER doesn't mind it very much when a common error is made back of him, but let a fly ball be misjudged and it breaks him up.

LATHAM's load coaching so completely rattled Nichol, the new Chicago pitcher, in the first game he pitched that he could not hold the ball.

MANAGER JACK CHAPMAN, of the Louisville, was the star outfielder of the country twenty-one years ago, when he played with the Atlantics, of Brooklyn, where Bob Ferguson caught.

FITCHER CHARLES GETZEL, of the Boston League Club, has been released by Manager Seale. The reason given is alleged attempts by Getzel to evade playing on the plea of a lame arm.

ARSON insists that every club puts in its strongest team against Chicago. Stars may be crippled, but when the Chicago team arrives in town the lame, the halt, blind and deaf are convalescent and do their best.

J. O'BRIEN, the new second baseman of the Brooklyn team, is remarkably cool and self-possessed, both at the bat and in the field, and his quickness in backing up first base and short stop shows that he has been well trained in the points of the game.

"BUCK" EWING, of the New Yorks, says all the soreness has left his arm and that he experiences no pain in throwing. The only trouble now is that the arm lacks strength, due to its long idleness. As soon as it recovers its strength "Buck" is confident he will be all right again.

NATIONAL LEAGUE RECORD.

	W.	L.	P.	W.	L.	P.	
Chicago	37	32	510	Philade.	38	42	475
New York	43	32	510	Brooklyn	36	43	450
Boston	45	34	570	Cincinnati	47	40	483
Cleveland	42	42	500	Pittsburg	32	45	456

AMERICAN ASSOCIATION RECORD.

	W.	L.	P.	W.	L.	P.	
Boston	35	27	520	Columbus	43	44	494
S. Louis	37	31	548	Cincinnati	47	40	483
Baltimore	48	35	578	Washington	25	53	346
Athletic	42	43	494	Louisville	30	61	330

WORLD'S FAIR NOTES.

TEXAS has decided to set apart a spacious room in its Exposition building for an exhibit by the colored people of the State.

In the city of Leipzig, Germany, thirty-four firms have declared their intention of participating in the Columbian Exposition.

The London Times, in a long review of the Exposition, says there can be no doubt now that the Exposition will surpass in many respects all exhibitions previous to the English manufacturers are urged to make large displays.

UNDER the direction of Chief Barnham plans for two new buildings for the Exposition are being made. These buildings are for a shoe and leather exhibit, and a musical display. They will be about 325x435 feet each, and each will cost \$100,000.

GEORGE WARD, manager of the Commercial Cable Company, writes to C. J. Barrett that he will make a big display at the Exposition of cable instruments. He expects to show a complete repairing steamer, illustrating the method of repairing cables.

THE New Orleans Machinery Company writes to Chief Buchanan that it will make a complete exhibit of cotton gins, sugar mills and other machinery at the Exposition. Another interesting invention