BANKED LAST FRIDAY.

The Three Institutions of Which it Really Consists-How a Director Made the Bank Lose \$150,000 by his Carelessness. -Some Interesting Figures as to the Bank.

A London correspondent writes :- The Bank of England will reach on July the 27th the 200th anniversary of its births out of 24. This price is three halfpence be- amount of money out of which they defraud-For two centuries it has been as it is to-day, the greatest bank in the world. It began business on July 27, 1694, in a small edifice occupying the centre of the Threadneedlestreet side of the present structure, with a capital of \$6,000,000, which had been promptly loaned to the Government by a group of city merchants to meet the pressing necessities of King William. In return bank pays the Government about £200,000 mounted into the millions. for this loan, Parliament passed an act 'levying new duties on the tonnage for the benefit of such loyal persons as should advance money for carrying on the cam- 000,000, and £100 per million for the repaign against the Dutch." This enactment created the institution and gave to the "Governor and company of the bank of England" a peculiarly favorable charter, which has been from time to time renewed, modified and systematized, though its original fundamental idea has never been changed.

The relation thus established between the Government and the bank was peculiar, but that it has proved successful is evinced by its continued extension. The debt originally owed to the bank by the government has increased in the lapse of two centuries from \$6,000,000 to \$55,000,000, with interest ions and full governing power in all reat 23 per cent. per annum. The bank building has expanded until it now covers the ly as candidates by the directors from ocean shipping, whole area between Threadneedle Street, by the stockholders. The chief accountant Princes Street, Lothbury and Bartholomew Lane, a space of nearly four acres, upon which its windowless, brown-stone wallonly one story in height, rise with an as pect of massive impenetrability. This year, and on Sundays and bank holidays. sense of the majesty of many millions is A guard of soldiers is on duty every night, further reflected in all the crooked and narrow streets round about. One hundred and fifty banks and hundreds of business of fire or other emergency. The total numenterprises of world-wide fame are crowd- ber of employees is about 1,200, the salaries ed together in the centre of the city of London, all located as near the bank as possible. The visible wealth in securities and other £330, and the holders of the stock are 270,assets here collected in a space not more than half a mile square, easily exceeds \$8, 000,000,000, the greatest aggregation of riches in a small centre that the world has | Hyde Park. ever seen.

A THREEFOLD INSTITUTION.

Under the general name of the Bank of England have been grouped, ever since its start, three separate institutions, each of which has been complete in itself and dis- behind it, are on the Princes-street side. tinct in its operations from any other since No note out of the 50,000 or 60,000 now the passage of the act of 1844. These are, first, "The National-debt Department," which occupies the Bartholomew-lane side and conducts the issue of all Government loans and the payment of dividends on its own stock on national bonds and other securities controlled by the bank. The second is the Issue Department, occupying the centre of the Threadneedle side, and having for its scope the issue of bank notes, their printing, cancellation and redemption, and the numberless transactions in the issue and receipt of the gold coin and bullion by One of the curiosities of this department is which the note issue is mainly guaranteed. The third is the Government and General Banking Department, on the Princes-street side, in which all the banking functions of a national treasury and the ordinary business of an ordinary commercial bank are separately carried on.

THE ISSUE DEPARTMENT.

After passing through the main entrance whose notes have been lost. in Threadneedle Street you come upon an inner court guarded by a gorgeous function- a Bank of England note, which mainly comary in a black velvet cocked hat and a long poses the national currency, is invariably gown of braided scarlet, who has something good for its face. As a matter of fact, of the gaudiness of a Brazilian parrot, but whether lost or stolen, the note will always is much less inclined to enter into convers. be paid at the bank. Thence came the ation. He has great dignity, and holds a habit of requesting all persons presenting wand of office with which to wave you notes in the Issue Department to indorse towards the inner door which gives upon them. The custom is for every person who the Issue Department.

on all sides, at which all the gold or notes guarantees to send him the name or paid into the bank by the general public names of any person who may present the are received. Anybody can here exchange | stolen money. Nearly all the stolen notes notes for gold, or vice versa, and all the in England are returned through bookmakbags of sovereigns from other banks or from ers. These men do business on race courses, abroad are here paid in. Its only peculiar and have no means of tracing persons who feature is that anyone paying a note is ask- deal with them. They suffer no loss through the Boards of Trade and Grain Exchanges excused. ed to indorse it on the back. This is for the stolen paper, and are very generally tracing purposes, which will be discussed used in this way by thieves. further on. All the sovereigns and half | One of the directors in 1740 deposited sovereigns received here immediately under | \$150,000 and took a single note, filled out go in a large room adjoining, the ordeal of by the cashier, in return. He went the weighers or separators. These are home, laid the note on the mantlepiece, small brass boxes, perhaps a cubic foot in and fell asleep. It disappeared. He besize, with glass sides. In the centre of lieved it had fallen into the fire, made an the brass top is a small round hole, a little a flidavit to this effect and received \$150, - made by the Gymnastic Society of Rome in larger than the sovereign, which is filled | 000 more, giving a guarantee that if the | the interest of the Italian army. The rider | in the country lanes. Yet even the wasp

placed by the handful, forming a long, in- divided, the bank lost the money. clined cylinder of gold coins. As each coin weights the balance, the latter sinks. does not sink so far, and the coin is caught | They cost from 10 to 12 cents each. | A | continue the experiments. by a second finger moving in the opposite single impression completes the note direction, which tilts it into a receptacle specially numbered, dated, and signed by on the right. These machines work auto- the cashier. Great reliance, as a check matically and perfectly, and save an upon counterfeiting is placed upon the amount of labor which can only be imagined, paper itself the engraving, as compared men who get their clothes in London may single employee. The light coins are im- of whiteness impossible to describe, and is cost the wearers little less than the same mint, while those of standard weight manufacture. The paper is made by a houses have places in New York city where remain in circulation.

operations from the others that it could be Portal family. just as well conducted in a separate build- | The note to-day is practically the same ing. It is required by law to issue a week- as it ever has been, and its apparent simly statement, and this statement hung at plicity offers a great temptation to counterits door shows on this special day that the feiters out of employment. The known statement, by the debt owning from the rare. The machinery of detection is per-Government to the amount of \$55,075,500; fect, and the system of numbering, as well other securities to the amount of \$28,922,- as the perpetual use by all banks of freshly Business Done in the World's Greatest | 000, and \$142,570,825 in coin and bullion | printed Bank of England notes, presents now in the vaults.

Gold in bars is received by the Issue De per annum. On the contrary, the amount paid by the Government for the management of the national debt, according to the act of 1892, is £325 per million up to £500, mainder. This now aggregates about the sum above mentioned, £200,000 per year. The Issue Department practically manages itself, presenting no complications in the ordinary course of business. As every bank note issue beyond the amount of £16,700, 000 is represented by bullion in the vaults, and the £16,700,000 is invested in Government securities, no risk can possibly occur until the issue of bank notes is reduced to this amount, and even then the convertibility of the liability would be easy.

HOW THE BANK IS MANAGED.

The bank is managed by 24 directors, in addition to the governor and deputy governor, and they by their committees have full cognizance of all the bank's transactspects. The governors are selected annualamong themselves, though they are elected and chief cashier reside within the bank's walls, and they or their deputies are always supposed to be on the premises. Clerks of standing and character are also selected to remain at the bank every night during the marching from the tower and they are assisted by a body of watchmen, formed of porters and workmen, fully trained in case and wages amounting to £290,000 per year, and the pensions to £44,000. The present price of Bank of England £100 shares is tage of them attends the annual meetings, as otherwise these would require to be held in some such spacious meeting room as

CANCELLATION DEPARTMENT.

You come next to the secretary's office where a polite messenger in a heliotrope coat and top hat takes charge of you. He conducts you first to the Cancellation Department, which, with the Printing Department issued daily is ever issued twice. If, as a depositor, you should draw any amount in notes at the bank and pay them back into your account 10 minutes afterward, they would be cancelled. So also any other notes received by you from any other bank in London are always new ones, crisp from the Bank of England presses of the day before. The signature is cut off immediately a note is paid in, and the Cancellation Department proceeds to file them in their regular order, taking notice and keeping count of all notes which have not been returned. a £25 note, which was paid in after being out for 111 years. The records of this department are of invaluable assistance in checking forgery, and the cancelled notes which are kept for a period of six months before being burned are constantly under examination by Scotland Yard detectives in search of stolen money or other people

A question often raised is whether or not reports his loss of a note to pay half a crown This is a large square room with counters (60 cents), and for this sum the bank

PRINTING THE BANK NOTES.

secret process at a special mill, which time | alterations are made free of charge.

The issue Department is so distinct in its out of mind has been the property of the

outstanding note issue-translated into losses of the bank through counterfeiting dollars-amounts to \$220,570,825. This mount up in the 200 years of its history indebtedness, is guaranteed, according to the among the millions. Forgeries today are insurmountable obstacles to "smashers."

The most sensational episode in the hispartment and paid for in notes at the rate tory of forgeries on the bank of England of £3.17.9 an ounce of 22 parts of pure gold | was that of the Bidwells. While the total low the market value of gold an ounce, and ed the bank was not as large as had been is consequently less by that proportion than obtained by other great swindlers, the scale the seller would receive in coin after it had on which they were operating, the systempassed through the mint. He would lose atic cleverness with which the coup had interest on it, however, while it was being been arranged, and the wonderful skill with coined, and the discount arrangement, which a large number of forgeries had been which is a convenient one for both parties, executed and passed by the bank, showed yields the bank an annual profit of £15,000. | clearly that but for an accidental discovery, For the privilege of issuing the notes and through carelessness on their part, the for the exemption of duty upon them, the amount of their frauds might easily have

## CANAL ENLARGEMENT.

A Resolution Favoring the Project Passed by the Manitoba Central Farmer's Institute.

The following resolution was adopted at he annual meeting of the Manitoba Central Farmer's Institute, held at Brandon, Man., the other day. Moved by R. E. A. Leech, seconded by Henry Nichol, and resolved :-(1) That in the opinion of this institute the great lakes and the St. Lawrence River furnish a valuable natural highway for the commerce of a great part of the Northwest ry; and in order that the public may enjoy the full benefit of that highway the canals along the route ought, in the immediate

(2) That such a deepening of the through channel is even now urgently demanded for the accommodation of the fast increasing traffic of the country west and northwest of the lakes; and it will, if accomplished, by materially reducing the cost of transportation, greatly encourage immigration to this district, and most actively promote the development and presperity of the country on both sides of the line.

(3) That the Government of Canada, having undertaken many years ago the deepening of the St. Lawrence Canals to fourteen feet, that work ought to be pushed 000 in number. Only a convenient percen- forward to completion with the utmost possible diligence.

(4) That inasmuch as the works now in progress on the upper lakes are calculated to furnish, within the next two years, a channel of twenty feet in depth from the head of the lakes to Buffalo, it is most essential in the interests of the Northwest, as well as of the country at large, that the depth of the Welland and St. Lawrence Canals should be further increased so as to make a channel of a uniform depth of twenty feet to the ocean.

(5) That inasmuch as the entire route is canals forming part thereof on either side of the line are by international treaty dedand St. Lawrence systems ought to be undertaken and borne by both Governments, so that the two countries shall con-

under the control of a permanent joint commission, to be appointed by both countries, and its protection should be guaranteed by international treaty.

ing steps for holding an International

(8) That we would most respectfully, from the upper lakes. but most earnestly, urge upon the Govern-Woods to Lake Superior.

forwarded to the Premier of Canada, to the ourselves, is an excess of generosity from the Minister of Railways and Canals, and to practice of which we may fairly hope to be of Brandon, Portage la Prairie, Winnipeg, Toronto, Montreal, Duluth, West Superior, Grand Forks, Fargo, Minneapolis and

Pigeons and Bi eycles in War.

Experiments with 'cyclists and carrier pigeons for transmitting messages are being Upon this balance the sovereigns or half sponsibility. Thirty years afterward the in which are several well-trained pigeons. sovereigns, according to the machine, slide | man having in the meantime died, the note | When important observations have been one at a time, by their own weight, from was presented and the bank had to pay it, taken and jotted down they are placed in hawks, kites, ravens, owls and birds of balance sinks far enough for a tiny steel row printing room, in which a dozen ma- It is thought that this combination of off down a tube into a receptacle below. If action. Their denominations vary from profitably used in military observations, the coin be light in weight, the balance £5 to £1,000, the largest note now printed. and the Italian army office proposes to

It's English You Know.

AN IMPORTANT PUBLIC WORK.

The Sault Canal Will Give Canada an Unbroken Waterway from the Head of Lake Superior to the Sea.

By the completion of the Sault canal another important and interesting public work is added to the number of which the Dominion now boasts. When the waterway was undertaken opinions were seriously divided touching the necessity for it. Immediately to the south lies the canal of the United States. To this canal Canadian vessels are admitted on terms similar to those accorded to American vessels; that is to say, we use the United States can a without toil or fee. Seeing that the neighboring canal is at our disposal, it appeared to many of us as if the building of a specia Canadian canal were a waste of effort and

During the debate on the proposal to undertake the enterprise one of the legislators suggested that in case of war the United States canal would certainly be closed against us; thus a Canadian canal, i and, indeed, welcome possession. But the argument from the military point of view tunately break out either Canada or the and no more water came aboard. United States would speedily control thetwo canals. The circumstances which actually led to the construction of the Canal dian canal were two in number. First, the traffic through the United States canal i

GROWING ENORMOUSLY.

With the business extending it is possible A good many of the men were below. on both sides of the international bounda- that, in the course of time, the shipping of | Mr. Mendes was one of a party of about a the United States may enjoy a preference | score who were sitting on steamer chairs in any treaty to prevent such priority being and the sky was almost cloudless. A given. In the second place, the treaty fair-weather gale was piling up the seas. future, to be enlarged so as to accommodate under which we are conceded the right to He thinks that it was not so much the height pass through the Sault canal is, like all of the sea as it was the tremendous forward other international instruments, subject to | motion of the ship, which was being run at reconsideration. A short time ago it was full speed, that created the disturbance. argued across the line that the treaty had | She plunged her sharp prow deep into the already been denounced, and everyone will first wave, the crest of which, Mr. Mendes remember that in spite of the fact that we | thinks, came up almost to the bridge. The were allowed by the treaty equal rights | biggest part of it was a solid green mass, on the canal, a discriminating toll was and swept athwartships and tore away fifteen levied for one season. It is true that a pre- feet of the port rail. A part of it reached text was discovered for this discrimination, the promenade deck, and wrenched from and that the hostile act on was declared to | their fastenings two heavy benches. The be retaliatory. But the fact remains that passengers in steamer chairs on the prothe discrimination was practised, and that | menade deck retreated aft, and some of the at some future time it may be repeated. The | chairs were swept back with them. actual meaning of the canal is, therefore, that on her own waterways Canada is to be independent. When the proposal to assert our independence was made the cost of the process, based upon engineers' estimates, was fixed at a million of dollars; for a million we were to get a Sault canal complete and ready for use. But the estimates of the engineers, as is too frequently the case, were below the mark. The work, as originally planned, would have cost far more than a million; as extended, elaborated, and revolving cutter, mounted in a frame on improved it has involved an expenditure of

TWO MILLIONS AND A HALF,

and perhaps more. The canal, however, is a masterpiece of engineering, and of construction. It is 18,000 feet in length, including the approaches; and it has a lock 900 essentially an international one, and as the feet long by sixty feet wide, and twenty feet three inches deep. When it is opened, as it will be in a week or so, the reported icated to the use of the citizens of both breakage not being, as alleged, serious or countries on equal terms, the work and the important, we shall have an unbroken expense of further deepening the Welland | waterway from the head of Lake Superior to the sea. Our canal system, curiously enough, began just where it now ends : for the first Canadian canal was built as long tribute to the entire cost of the undertaking | ago as 1798 by the North-West Company in proportion to their respective interests | at the Sault to facilitate the carrying down of furs and the taking in of supplies. (6) That the whole water route from the This work was destroyed by the Amerihead of the lakes in the sea should be put | cans in 1814, just eighty years ago. It was in 1821 that the first Lachice canal quite as easily, it is claimed, as the garden was built, and in 1824 that the Welland tool mentioned. The lawn-mower resemwas commenced. We have rebuilt the entire scheme of canals since the first series rather base plate, is of steel, and carries (7) This institute rejoices to learn that was projected, and have spent seventy-one the cutter on its under side, while the the Council of the City of Toronto are tak- millions of dollars on the enterprise. There is a movement in favour of an enlargement, Conference in that city at an early date exceeding in magnitude that now in prowith a view to the advocacy of such a gress, on the St. Lawrence system, with a view to the passage of ocean vessels to and

It is difficult to avoid the conclusion, ment of Canada to cause careful surveys to with respect to this project, that it will be made, without delay, with a view to as- | be a tremendous benefit to our neighbours, certain the feasibility of opening a canal of | seeing that under the Washington treaty six feet depth between the Red River and | they have the use of all our artificial waterthe Lake of the Woods, and the probable ways. For such a benefit they surely cost of such an undertaking; as well as to ought to pay. We may build a Sault canal being laid and calked. This work has cause an estimate to be made from actual to relieve the United States canal, and to usually to be done in circumstances of consurveys of the probable cost of opening a protect our own shipping interests, but to siderable inconvenience and disagreeablecontinuous waterway from the Lake of the expend a hundred millions on works that will be more useful to our neighbours, who his knees, driving a jack-plane before him, (9) That copies of these resolutions be contribute nothing to the cost, than to

The Wasp's Mission.

Most people will be disposed to doubt the utility of the wasp, those handsome insects which create so much terror when they invade our rooms or buzz about our heads by the round plate of a delicate balance. note was found he would assume its re- carries a small cage attached to his machine has its use, and a very important part it plays in the economy of nature. What an inclined half tube, in which they are and as the man's estate had long been envelopes and affixed to the birds, which prey generally are in the case of field mice

proximity should not be tolerated.

LUCANIA SHIPS TWO SEAS.

Passengers Upset and Two of Them Slight ly Hurt-A Sailorman Disabled.

A mighty sea, lashed up by a westerly gale, caused consternation on the Cunard steamship Lucania on Monday forenoon, when she was about 500 miles out from Queenstown, bound for New York. The Lucania was bounding westward nearly at top speed, when the wave toppled over the port bow and rolled aft. Its spray broke on the promenade deck. The bridge railing was bent and twisted. Passengers who had been sitting on chairs and looking at the angry sea from the main deck fled from the invading water. A sailor who was knocked against an iron railing lost several teeth and three of his ribs were broken. A cabin passenger was thrown against a rail by the sudden checking of the ship's progress. His head was cut.

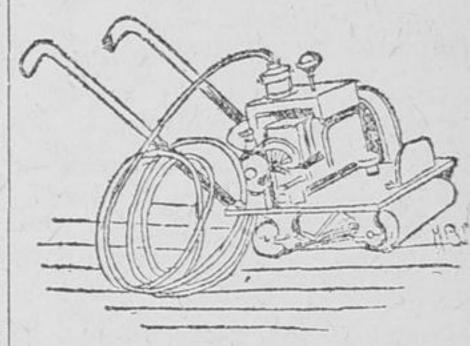
Just after the first big sea rolled aboard another followed it, increasing the confusion especially among the steerage passengers, of whom there were 465. A woman was knocked down and bruised. A part of the torrent smashed in the thick plate-glass constructed would turn out to be a handy windows of the library and flooded it, ruining some of the upholstery. An iron ventilator under the bridge was twisted out of shape, and other ventilators were washed was not strong. Should hostilities unfor- away. The steamship was slowed down

One of the passengers on the Lucania, Mr. D. De Sola Mendes, said that when the big wave came aboard nearly all the ladies were in their berths, the sea being pretty rough for such as were not good sailors. Mr. Mendes, to whom big waves, according to his own account, are familiar visions, thinks the wave was a pretty good sized

in the use of the canal. There is nothing looking at the tumult. It was not raining,

## An Electric Floor-Planer.

Applying the lawn-mower principle to the making of a planing tool, a Scotch engineer, Malcolm Sutherland, of Dumbarton, has designed the rather unique piece of apparatus shown in the annexed sketch, and consisting, in brief, of an electrically driven



THE ELECTRIC FLOOR-PLANER. rollers which by means of handles, can be moved about in exactly the same way and blance, in fact, is perfect. The frame, or motor is placed on top and drives the cutter through intervening gear wheels, giving it a speed of 3,000 revolutions per minute. The hind roller of the base plate, which follows in the cut, is fitted with eccentric journals, so that, by moving a lever, they can be raised or lowered, and the depth of cut nicely adjusted. The principal field of the machine—the one, in fact, for which it was specially designed—is the planing of ships' decks, taking off the pitch and inequalities of the seams of deck plank after ness, the carpenter having to go down on together with wood shavings and other things less clean. Ordinary floor planing, however, can obviously be done by the machine with fully as good results, so that it is not necessarily restricted to shipyard use

## Looking Towards England.

No steps have apparently yet been taken by the legislators of the United States to prevent a recurrence of the industrial disturbances of the year. There are, however, indications of the prevalence of the idea that something can be gained by looking towards England. According to the figures given by the British Board of Trade, there were 692 strikes and eight lockouts in Engare liberated. In every instance thus far and such destructive rodents, the wasp is land in 1892, and of these 345 were setthe birds have flown promptly and in a to grubs and other pests that infest and thed either by mutual conciliation or by straight line back to headquarters, over injure plant life. The birds named have mediation, 115 by submission of the work-If the coin be of standard weight, the The notes are printed in a long and nar- distances of from ten to twenty kilometers. been nearly exterminated in the British Isle people, 79 by the hands being replaced, 33 under the belief that they are inimical to by conciliation and submission, 13 by confinger moving to the left to tilt the coin chines of similar construction are in full bicycle and pigeon service can be very game, and vile plagues have been the result. ciliation and hands being replaced, 22 by At this season of the year, the wasp is submission and hands being replaced, and particularly useful, especially in orchards. 16 by arbitration. Conciliatory methods The young pupe in the nest are fed entirely | have, therefore, settled more than half of on grubs which infest fruit trees; and but | the differences, and it has been said by the for the activity of the wasp, these pests | Westminster Gazette that there is "a growwould become so numerous as to do serious ing opinion expressed year by year, both Some idea of the number of New York injury to the tree. It is quite true that among employers and workmen, in favour the wasp subsequently levies toll on the of various forms of arbitration and conciliatesting 30,000,000 pieces per annum. The with the Canadian bank-note standard, being be gathered from the fact that recently fruit; but his labors have largely contribut. I tion." The Philadelphia Record is right in room contains 16 of them, all working less elaborate. The paper, specially made | there were 23 agents for English tailoring | ed to the salvation of the crop, and the saying that "evidently the didactic tone of silently and regularly by atmospheric from pure linen rags, is strangely thin and houses in that town. Most of the goods are little he takes should not be grudged. A the London press towards this country engine power, under the the care of a remarkably tough. It has a peculiar shade | brought into the country free of duty and | wasp, it should be known, is quite harmless, | during the recent strike in the West was unless when forced to defend itself; then not altogether unwarranted." Of course no mediately split in half and returned to the printed in indelible black ink of special clothes made here. All the big London it is unquestionably vicious. But if left legislation is necessary to make arbitration alone it will not sting, though too losec possible where the disagreeing parties are willing to arbitrate.