Prodigal Wealth in Flower, Tree and Fruit-Its Immense Banana Crop, Its Strange People and Surf-Kissed Coral Reefs.

(Copyright, 1902, by T. J. Hains.) It has been through the American appeof the American tropics has been made habitable for the civilized. Before the advent of the banana industry the island of Jamaica was, as it still is in many "black." It bears the imprint of the sons other things belonging to the downtrodden race which will not be necessary to re-

In the gardens on the billsides are grapefruit, oranges, bread-fruit, which is the dozen kind of apples under different names, all entirely tropical. Tamarind trees are in abundance and the papia, the excellent LAND OF GREEN CRUMPLED MOUNTAINS melon which grows in a treetop and which resembles a huge pear, is to be had for a sixpence. This peculiar fruit has in its nposition a certain amount of vegetable pepsin, which is a godsend to people with weak digestions. A dyspeptic may eat a whole meion and suffer no indigestion at all.

The Women Help Lond.

Falmouth lies in a bay easily seen from the sea and its clustering huts and houses, upward, make a bright picture. Montego users of telephones. It is in line with pre-Bay is probably the prettiest spot on the to the westward, the ship usually makes it soundle requirements, whether the instru- message is almost limitless. At present it allow flush decks, giving more room, would of Ham, the sons of slavery-sloth and the last or next to last stopping place going to St. Lucia first to take in a few thousand bunches that the little town produces. Here, as in the other northern To the northerner it seems strange to Jamaica ports, the women do the work of

will not under any circumstance mix with IN THE FIELD OF ELECTRICITY

Subtle Science.

COURT RULING ON TELEPHONE SERVICE

New Departure in Telegraph Keys-How Electricity Cuts Steel-Third Rail System in a Tunnel.

produce a high-speed instrument saving as a means of propelling vessels It is comparatively easy to invent a com-The Missouri court of appeals recently the stock ticker, line by line on ordinary gree in some other American seaports.

and typewriter in such a manner as to the first application of the electric motor time and labor at the wire. Automatic experiments were made on the River Neva senders and receivers of one kind or an- in the year 1839. The use of electric power Pen Pictures of Jamaica, an Emerald Lying principal fruit of the natives, and a half Developments in Various Branches of the other are submitted to the telegraph com- in this manner has languished until late panies at the rate of about one a week, and years, and now when it has again been rejected at the same rate. There is a for- taken up it is interesting to find that the tune in store for the man who can invent a chief use found for it is in the propulsion high-speed sending and automatic receiving of vessels which could not possibly be operinstrument, but there is one tremendous ated by any other power. Submarine craft, obstacle in the way of inventors who at- of which several have been built, have been tempt it. That obstacle is the limit to the rendered possible only by the application capacity of the operator of the typewriter, of this form of motive power. Another form of application of this power has been bination of typewriting machine and tele- suggested in these columns and is now atgraph instrument in which the operator, tracting some attention, that of the operawhen he pounds the keyboard at one end tion of the ferryboats which swarm in the of the wire, records, after the manner of harbor of New York and to a lesser dethe for fruit that the most beautiful island with here and there a church spire pointing rendered a decision defining the rights of paper at the other end of the wire the ferryboat has at best only an intermittent words he frames at his end. The trouble is service to perform. Their runs are comvious decisions, by which telephone com- that he cannot do it fast enough. The paratively short and they lie in their slips island next to St. Lucia. It is next in panies are held to be common carriers, and operator who in practice can typewrite 100 between runs for periods of time almost, size to Kingston as a town and the stores as such are bound to furnish service to words a minute has yet to be found. The if not quite, as great as that consumed parts, religiously, morally and physically are interesting. Lying some fifteen miles anyone offering to comply with their respeed at which the wire can carry the in the run itself. Electrical power would

> power to the pilot house by grouping their suitable switches and would enable a reduction of the crew carried by such boats. True the radius of operation is limited by the capacity of the storage battery that can be carried, but it is probable that it would be perfectly feasible to carry an amount of batteries amply sufficient for the short runs in the immediate vicinity of the charging station, which ferry boats are the steeple succumbed to the fury of the called upon to make.

Electricity to Cut Steel.

Julius E. Haschke, a Chicago electrician, in discovering a way to apply electricity to iron and steel so as to cut or burn the metal as a warm knife blade does a hard chunk of butter, has brought to bankers

QUAINT FEATURES OF LIFE. An editorial writer of the Boston Herald relates his experiences in one of the famous restaurants in Place St. Mark, in Venice, where the Chicago's men lately got into trouble. He says that when his bill was presented it contained items enough which were not ordered to double its amount, and that when he protested against paying a row was raised and the police were summoned, and that any opposition on his part would have involved the risk of "resisting the police," which is the offense charged against the Chicago people.

Zack Snyder of Byron, Ill., has just won a wager made twenty years ago. In 1880 Snyder and G. A. Mix decided that the spire of the Methodist church was insecure and would soon blow over. Mix bet Snyder that it would fall to the north, while Snybring the whole control of the motive | der held out that it was going over to the east. The result was a bet of a box of cigars, and they cleverly planned to get the weeds in advance. They went to the store of T. A. Jewett and told him of the bet, and that the loser would pay when it was decided. Jewett, not suspecting the terms of the wager, turned over a box of cigara to the pair, and he has been waiting for his money all these years. Last Tuesday

storm that prevailed in that region, the

structure tumbling over to the east, and

Mix, remembering his wager, called on

Jewett and planked down the money.

He had to pay to avoid trouble, and thinks

it is a regular dedge in this place to bleed

"Do you know why carnations have fallen about 40 per cent in price in the last year or so?" asks a florist quoted by the Philadelphia Record. "It isn't because they are less popular-they are more popular than they ever were—but it is all on account of a little wire machine, recently invented, that costs about 314 cents. This machine may be described as an automatic tree box of steel wire. It is a couple of feet high and stands upon three legs. As soon as a carnation begins to grow it is slipped within the machine, and thereafterward

Delight Old and Young Alike

Section 1 APES,

MONKEYS,

LEMURS.

BABOONS.

Section 2 TIGERS LBOPARDS,

JAGUARS.

Section 3

WOLVES. CIVETS. CHEETAS.

Section 4 FOXES.

BEARS, RACCOONS

Section 5 BADGERS, SKUNKS, SEALS, RODENTS.

Section 6 RABBITS. BATS, ELEPHANTS,

ETC.

Section 7 ZEBRAS. HORSES.

OXEN. BISON. Section 8

SHEEP. GOATS. ANTELOPES. ETC.

Section 9 GIRAFFES. KUDUS. OKAPI. DEER TRIBE.

Section ) DEER (Cont.) CAMELS, PIGS.

Hippopotamuse

DOLPHINS, KANGAROOS.

OPOSSUMS.

FLYING MICE PORCUPINES. ANT EATERS.

OSTRICHES, GAME BIRDS, PIGEONS.

GROUSE.

QULLS. AUKS. CRANES, HERONS, ETC.

Section 15 DUCKS,

GRESE. OWLS.

> And Five Section to Follow, Equally Interesting.

find the ship from American or English ports boarded by a man as black as sin, with the intelligence of a serpent and as harmless withal as a child. The new ar rival can not quite get over the fact that the custom house officer is a "nigger" in every sense. Then, when the quarantine doctor comes alongside with his boat of gayly uniformed blacks, the American looks at the top of his white helmet with the certain expectation of soon beholding a white face upturned to those above. It nes as a shock to find white eyeballs and ivory teeth showing in sharp contrast is useless to look for white men. Outside to the inky skin of the doctor's face. It

Kingston they are scarce as polar bears Port Antonio, the principal fruit port on the coast, is naturally one of the first places of interest to the lover of the tropical garden. It is here that the fruit growing industry has advanced to a great commercial enterprise. Here all steamers stop and enter or clear if they are to carry away the gifts of the sun gods.

defy description and the bright sunshine the southern distance rise the huge moun- eases the climate is the best in the world. tains, peak above peak, into the dense masses of vapor which drifts along their tops, until the land finally vanishes in the white and blue.

The banana pens are on the lowlands and the fruit is brought to the ship in cars, men transferring it to the vessel's hold until the tally warus the stevedores that the ship is ready for further orders and may proceed to sea and down the shore into the shimmering distance.

Telephone in the Fruit Trade.

The next port where the cargo is to be to sea on schedule.

the bunthes measured in "hands." For inmatic endurance. Statistics on this quality
stance, a bunch of nine or ten hands of
bananas will have nine or ten projections
physical endurance is more a thing of
ments at the Mont Blanc observatory for
he shall receive prompt and effective servbananas will have nine or ten projections of fruit averaging a dozen or more, alternating down the opposite side of the main stem, making a total of more than 100 bananas on the stem. The smaller bunches have sometimes as few as six bands, or bananas, on the bunch, and will consequently sell for less than the bunch of ten hands. A cargo will average about \$1

in aspect, but these fruit ports are especially interesting. The buts, or houses, with their thatched roofs and dusky inhabitants, are very picturesque, but not clean. The women are seen about the yards washing clothes or doing other chores. roads, sitting complacently with pipe in mouth and stone and hammer before them, while the pile of rock between their knees slowly dwindles in size under their easy strokes. The men do very little indeed and it is against the religion and practice of the Jamaica women to marry for this makes their property available to their husbands, who consequently will not do any work while it lasts. Unmarried they their own masters, and-if the lover who is the father of many children does not attend to business he will find his place usurped by some more willing buck and have to look elsewhere for a home. This strange state of affairs has been the bane of the missionaries, but there seems free will not enter slavery again. With the sugar plantation—the moral ties are enrital unfaithfulness with death and the native will seldem touch it. he down with scorn upon the negro and

loading the fruit into the surf boats, the men only rowing out to the ship and transferring the load to the hold.

OLD CHURCH, PORT ANTONIA

PORT ANTONIA

To sell intexicating liquors a license is necessary in all these towns and it has to be displayed conspicuously, but Jamaica rum is to be had at prices varying from 2 to 3 shillings a bottle, even in the firstclass establishments.

Strategetically, Jamaica will be of para mount importance when the canal is built across the isthmus. Kingston will be the key to the gulf and Carribean Sea, and with been much talk of annexation to the United States among the free thinking class of the island who look shead to the future, but in this direction.

As a winter resort, Jamaica certainly To describe this one town would take for the American. It has good water, good other settlements along the shore as far as The habits of the table must necessarily be caused the telephone to be adjusted, and St. Lucia, at the western end of the island, changed if good is expected from a sojourn Tall cocoanut trees line the shores and within the tropics, and for quantity and ing sand, rustling softly in the trade wind. may eat fifteen varieties of fruit a day and The colorings of the hilly slopes beyond be better for it, and there will be no exhausting fevers or bowel complaints to mar makes a paradise of the little hole of blue the good work of reconstructing a wornout water and its surroundings. Far away in or overworked system. For nervous dis-

When the Canal is Built.

With the passage of a canal bill the Island of Jamaica will become of great in terest. Besides its importance as a naval base, it will probably furnish most of the labor for the giant cut through the isthmus. The despised black man of great size and exceeding strength will be looked to as a factor to enable the dream of the commerce lover to be realized. The scorned Jamaica "nigger" will be the man behind the hoe who will make the cut.

How this drain will be met by the fruit made up will probably be Annotto bay or growers of the Jamaica plantations it is telegraph key now in use, which has thousand bunches will find its cargo all were tried in Panama, but the fever proved as desired during transmission. It can be for which papers are being drawn at Talast out for it, unless some accident hap- deadly to them. The Jamaican, however, turned completely around at will, so that coma. pens. Then the surplus fruit which must imported by the tens of thousands, proved any desired position may be secured ingo north is crowded into cars and pushed able to withstand the exposure and showed stantly. This little instrument brings into for the port of clearance, where it will find a low death rate that was remarkable. The action new and vigorous muscles which the cover from the telephone company for the its way into its hold in time for it to get only quality he is said not to have is phy-suffering telegraphers never knew they had. time lost in trying to attract the attention sical staying power. This sounds strange Bananas are measured in bunches and with his great size and strength and cliphysical eadurance is more a thing of the purpose of finding out whether the sun choice, the natural quality developed in a emits electro-magnetic rays, or, rather, mind prone to sloth.

I have seen a huge black giant sit for hours keeping tally on coal loaders, passing it is reasonable to surpose that electrochecks to the men who filed by and dis- magnetic waves of the Hertzian kind are daining even to stoop to pick up a fallen actually sent out. In order to obtain the check which had escaped his fingers. Even best conditions it is necessary to choose his words cailing the numbers were whispered as if the effort were appalling and escape the absorbing action of the atmos-

language of his own, made up from the weather prevented him from conducting the English pronunciation of the broad "A." experiments at the top of Mont Blanc itself. sometimes even breaking stone for the the peculiar soft intonation of his neighbor. The receiver used consisted of a galvanoacross the way in Cuba, and the rapid, ner- meter circuit with coherer and an antenna wous tongue of the Frenchman. It is quite 175 meters long stretched over the Bosons speaking Spanish, the next French and the had the double advantage of protecting the next real "nigger." It takes some time to wire from the electric waves emitted by the get used to the jargon. With it all the na- Chamounix railway and from the intertive is politeness itself.

strange that bananas are almost the sole a conductor instead of a non-conducting barrel for good ones, yet very few are made under a cloudless sky on September shipped in comparison with the bananas; 19, were entirely negative. The sun, therethe bread fruit is seldom, if ever, exported fore, either does not send out waves of this and grape fruit that sells for tuppence for order or they are absorbed by the sun's atthe choice and a penny for the general run mosphere or by the upper strata of the finds its way to the states only in small earth's atmosphere to such an extent that quantities. This is strange when one re- the registering device was not delicate members that 25 cents is the usual winter enough to record them. coolte—the imported Indian who works the price for a prime grape-fruit in New York, and there is no loss in transportation. tirely different. The East Indian punishes Grape-fruit is a fad for the civilized and the attention of inventors, says the Boston

no satisfactory service could be obtained. would not stand.

BREAD FRUIT TREE

Novel Telegraph Key.

Telegraph operators need suffer from parmanager of the Postal company for several years. His efforts to find a remedy for the telegraph operator's dreaded malady "lost revolutionize telegraphy. grip," resulted in inventing this instrument. It is a radical departure from the Electric Waves from the Sun.

The London Electrician gives an abstract whether such rays are capable of penetrating to the surface of the earth. Of course the highest possible elevation, so as to quite beyond the strength of his giant phere and of aqueous vapor. The experiments, therefore, were conducted at the One of the peculiarities of the fruit- station of the Grands-Muleis, at an sititude ference of waves which would have been With such an abundance of fruit it is reflected by the ground if the soil had been exportation. Oranges sell for a shilling a glacier. The results of the experiments,

> Automatic Telegraph Systems. Among all the problems which engage Transcript, there seems to be none more at-

MOSS. it is doubtful if anything will be realized ment is used in a public station or in a is limited only by the capacity of the private residence or business place. In operators, sender and receiver, and speed, this case now decided, a telephone was even more than labor-saving, is the thing ranks high among other West Indian places put in the appellant's place of business, the telegraph companies are seeking. For but it did not give satisfaction. The tele- the last three years one company has been more space than that allotted to an ordi- law and good liquor, the three things a phone company was notified to take the experimenting on two circuits between mary newspaper, but it is typical of all the true New Yorker or Chicagoan most needs. Instrument out. This it did not do, but New York and Chicago and New York and Buffalo with an automatic system called thereafter satisfactory service was ob- the Buckingham. This is not strictly a a feeling of insecurity. Mr. Haschke did of rings that take hold of it and guide it tained. The lessee of the instrument combination of telegraph and typewriter. hilleides, their tops, high above the burn- variety the fruit of the island excels. One wished to keep it then, but the telephone The typewriter is a perforating instrument corporation demanded payment for all the which punches holes in sheets of paper time that the instrument had been in the which are fed into the sending instrument lessee's place, regardless of the time when and are sent and received automatically. By this system from fifty to sixty messages lantern fraternity, yet he is able to cut present cheapness." In reversing the decision of the circuit of an average of thirty words each can be court the court held that the rule of the sent an hour. The trouble about this is telephone company not to replace a tele- that two or three men are required to prephone removed for non-payment of rent pare the messages. There is an instrument already invented and now being perfected and develooed for commercial use which may be brought into practical use before automatic telegraphy comes to pass. This alysis of the wrist no longer if they will is the Poulson telephonograph, invented by use the key just invented by Charles Shir- a Dane. In this instrument words spoken ley of 41 Sidney place, Brooklyn, reports the into a phonograph combined with a tele-Brooklyn Eagle. Mr. Shirley has been phone are reproduced on patent tape at the other end of the wire. Should this be developed cheaply and universally it may

SOAT LOAD OF BAHANAS

FRUIT STEAMER

BANANA PEN

Suit for Time Lost at Telephone The rapid increase in the number of telephones in use in northwestern cities has St. Anns. All along the shore of the island hard to see. The population, however, is afflicted so many operators with paralysis caused the demand of patrons for connecthe fruit shippers have run their telephone numerous and prolific and might supply and "operator's" writers cramp. It is in tions to grow almost faster than the faciliwires and they can keep track with accu- many thousand men. The Jamaican negro tended to increase the speed of the opera- ties for taking care of the increase can be racy of all the bunches of bananas ready is large, strong and finely built, and, what tor. It consists of a handle that may be provided. It thus happens that many perfor shipment. The itinerary usually covers is even more necessary for the purpose, is grasped by the whole hand or operated by sons have gained the idea that the service six or seven places and the number of peculiarly immune to the tropical fevers of the touch of any finger or part of the hand. is not as satisfactory as when the systems bunches is marked for each town. The ship the isthmus. Coolies, South American ne- It is unnecessary to retain a firm hold upon were much smaller than at present. These which can carry from twenty-five to thirty groes, whites, negroes from the states, all this handle and the fingers may be shifted people are much interested in a novel suit.

> The prospective plaintiff is a Whatcom business man and his object will be to reof the central telephone office in order to secure connections with his business he shall receive prompt and effective serv-

His complaint as drawn declares that through the inattention or overworking of the telephone employes he is compelled to spend long periods of time, ranging from three to fifteen minutes, in obtaining the necessary switches. He alleges that so much of his working time is lost in this manner that his business is financially dam-

Third Rail in Tunnel.

The Baltimore & Oblo Railroad company growing Jamaican is his speech. It is a of more than 10,000 feet. A spell of had on March 25 put into active service the third-rail system installed on the belt line lined with asbestos. Drill-proof Bessemerbetween Camden station and Waverly or cromer steel are cut as easily as the through its tunnels under Baltimore. Final softer metals with this remarkable inventests were made and one of the electric tion. locomotives was regularly using the third incomprehensible to the stranger and at glacier, in such a position that at midday rail. The other two locomotives will be sure he is the sun's rays fell upon it vertically. This suit as soon as they are equipped for the one moment the visitor will be sure he is the sun's rays fell upon it vertically. This suit as soon as they are equipped for the gard the system as a complete success, and UNION STATION-10TH AND MARCY, the entire overhead electric conduits and supports will be torn down. The belt line has been fenced in for its entire length where the third rail is used to keep persons from walking on the tracks. The third rail is charged over the whole route to Waverly, except at Camden and Mount Royal In Baltimore the device used stations. keeps the third rail "dead" until it is automatically cut in by the electric locomotive in passing over the surface. It is cut out by the same method. The remainder of the third rail is protected by wooden guards. The system will prevent smoke and gases in the tunnel.

> Electrical Navigation in Russia. To the efforts of a person named Jacobi T. J. HAINS. | tractive than that of combining telegraph | who lived in St. Petersburg is credited

and other guardians of not invent his carbon point-the name in its growth. Before the invention of this given the metal cutting device-for the device the majority of carnations spoiled purpose of opening bank safes, reports the because when they became tall they fell Record-Herald, nor does he wish, so he over and the flowers rotted in the dust. says, to aid or abet in any way the dark Now none of them spoil, and hence their into two pieces the thickest bar or steel

It makes no difference to Mr. Haschke RAILWAY TIME CARD. whether he is called upon to cut in two a big boiler plate in Milwaukee or sever asunder great steel ribs in the Rookery building Chicago-he goes about his labor with full confidence that he can carry out his part of the contract. Mr. Haschke's experience in Milwaukee a few days ago is an example of what his carbon point will do. A big boller foundation was to be removed from the basement of a building. It was almost impossible to get the great mass of metal out as it lay.

Mr. Haschke's simple invention was mentioned to the interested persons and he was invited to go to the Cream city. Haschke ensconced himself in a little steel house, placed two pairs of blue spectacles to his eyes and after connecting his carbon point he touched the steel plate. Persons standing far back in the basement saw a lurid flame shoot up; it was a white light and produced extreme heat. The light well-nigh blinded the spectators, but the operator was well protected and did the work.

At the rate of a foot in five minutes and cutting or burning away a wide space in the plate the carbon point with its terrible power worked along. Mr. Haschke had no trouble whatever in handling the work, and those who watched him left the place aware of the value of the discovery of the Chicagoan. The Haschke apparatus is simple. A car-

bon of electrode is attached to a wood Black Hills, Deadwood, handle by means of a metal clamp; to this Hot Springs......a clamp a wire is fastened, the other being connected with the object to be operated upon. If a safe, the second wire is attached to a hinge or lock, as the fancy of the operator dictates.

The eyes and face of the workman are protected against the glare and the heat by a box of aluminum or sheet iron. The carbon point is thrust through a hole in one side of this box. The box used by Mr. Haschke is small and its inner sides are

RAILWAY TIME CARD.

Chicago, Rock Island and Pacific

EAST. Leave. Arrive. 

Wabash. Louis "Cannon Ball" Louis Local, Council 5:15 pm a 8:20 am

	Union Pacific.	
	Leave.	Arrive.
	Overland Limited a 9:40 am	n 7:30 pm
	Fast Mail a 8:50 am	a 3 25 pm
	California Expressa 4:25 pm	
	Pacific Express 811:56 pm	
	Eastern Express	a. 4:35 pm
	Atlantic Express	a 7:00 an
	Lincoln-Stromsburg Ex.b 4:05 pm	012:30 pm
	Grand Island Localb 5:30 pm	
	Chicago, Milwaukee & St.	
	Chicago Limited a 6:00 pm	a. 8:05 an
	Chicago & Omaha Ex. b 7:15 am	b 3:40 pm
	Missouri Pacific.	
	St. Louis Express a10:00 am	a 6:25 pm
	K. C. & St. L. Express. #10:00 pm	a 6:15 an
	Ilifnois Central.	200000
	Chicago Expressa 7:20 am Chicago, Minneapoils &	ur 2:16 bu
3	St. Paul Limiteda 7:50 pm	-
	Minneapolis & St. Paul	# 0:00 PD
	Express 5 7:20 am	510:35 mm
	Chicago Express	#10:35 pn
	CHICAGO STREET	was on Di

"The Northwestern Line Chicago Special. ... a lite am alli20 pr Chicago Passenger. ... a tin pm a sice ar mastern axpress ... alvise am a top pr mustern opecial ...... 4100 pm a 44 Past Mai ana-Chicago L'tu...a 7:40 pm Fast Main... a 5:30 am
Cedar Rapids Pass... a 7:06 am
Iwin City Express. a 7:06 am alox6 pm
Iwin City Limited... a 7:00 pm a 8:40 am
Bloux City Local... a 6:15 am a 8:50 pm

WEBSTER DEPOT-15TH & WEBSTER Fremont, Elknorn & Missouri Valley. Leave. Arrive.

Hastings. York, David City, Superior, Geneva, Exeter and Seward... D 3:00 pm b 5:00 pm Fremont Missouri Pacific. Nebraska Local, Via Weeping Water......

Chicago, St. Paul, Minneapolts & Omaha. Twin City Passenger...a 6:30 am a 2:00 pm Sloux City Passenger...a 2:00 pm all:20 am Emerson Local..........b e:40 pm b 8:45 am BURLINGTON STATION-10TH & MASON Chicago, Burlington & Quincy.

.. b 4:10 pm a10:25 am

Chicago Limited...... Fast Mail..... Burilagton & Missouri River. 

Kansas City, St. Joseph & Council

a Daily, b Daily except Sunday, day only, d Daily except Saturday,

OMAH

ETC.

Section 11

Section 12

Section 13

Section 14