WHAT ARE COMETS MADE OF? MARVELS OF SPECTRUM ANALYSIS

classes, and many who probably never must have been something puzzling in fitty years ago no longer bound our actual elements which compose them are now known. In fact, the composition of comets, and not of comets only, laboratory.

The Spectroscope.

its passage through the prism was de-among the dust which escapes when motest star here is a community of actly like the tints of the rainbow. The band began with dark red at one duce the sodium line. end, and shaded through orange, yellow, green, blue to intense violet at experiment is now performed much more conveniently by means of a wonthe spectroscope, by which the spectral cated carbon. There were also indistar, are seen, tasted, and cated carbon of all kinds of light can be observed trum corresponded with that of heavy our common life, tube with a fine slit at its end. This Admitted by the slit, the light passes through a prism, and the resulting band of light or spectrum, instead of being thrown on to a wall or screen as in Newton's day, is sent through a telescope directly on to the eye of the observer. Now, when any given element is burned so as to give off light, and placed, instead of the sun, in front of the narrow slit, it will give a spectrum which shall be characteristic of that element only. In the larger spectroscopes it is possible to This is spectrum analysis, station. Fraunhofer's Discovery.

Munich optician named Fraunhofer paddles received a violent shock. The vessel. The lifeboat itself appeared showed that the solar spectrum constained a great deal more than the ortained a great deal more than the ortain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped, the captain thinking she had struck a substainer was at once stopped the captain thinking she had struck as the captain thinking the was at once stopped the captain thinking the captain the captain thinking the captain thinking the captain thinking the iron, manganese, calcium, sodium, waves. though very hot, are less hot, and Calais's wheel, therefore less luminous, than the underlying solar body. Each of these temperature is lower than that of the with a large number of passengers lifeboat was lifted on board the Pas periment has proved conclusively that Paris, had steamed little more than We passed quite close to the spot light, it is certain that the substance steamer had struck some unknown working. exists in the heavenly body. The Sodium Line.

dium lines in the recent comet. From the steamer, but for the moment nothwhat has been already said, the method ing was to be seen except a plank of finding these indications will now which had been knocked off in the be understood. One of the dark lines collision with the mysterious obstacle. of the solar spectrum is known as In a few seconds, however, all were serve that when sodium was made forty yards the bow of a submerged luminous its bright yellow line occu-

ECZEMA MUST YIELD TO

THE WONDERFULLY SOOTHING. HEALING INFLUENCE OF

There is one thing you can depend on Dr. Chase's Ointment to do every and with harrowed teelings the spectators on the Pas de Calais saw the There is no more severe test to which portion of the submarine which had an ointment can be put, and because Dr. Chase's Ointment triumphed over eczema it has become the standard tinged with a purplish oil marked the

is said to be as good as Dr. Chase's. death in their prison under the sea. Gin Pills have proved their great value And this illustrates the high position The tragedy began and concluded in

Mrs. Oscar Vancott, St. Antoine, cases. One son while nursing broke ing narrative of the disaster.

"Providentially we heard of Dr. boy was also cured of eczema by this Ointment and we hope more people will learn about it so that their poor little ones may be saved from suffer-

Do not be satisfied with the experience of others, but put Dr. Chase's Ointment to the test when occasion arises. Try it for chafing and irritation of the skin, for chapped and cracked hands, for chilblains and frost oltes, for sores and burns. It is delightfully soothing and healing. Sixty cents a box, all dealers; or Edmanson, & Co., Toronto, Write for free

The visit of Halley's comet has ex- pied the same position in the spectrum cited the deepest interest among all as this dark line. By employing what is known as a "comparison prism," which can be applied to the slit of any saw & comet before will succeed in spectroscope, the light coming from a getting a glimpse of the celestial visi- comet, or from any source, can be tor during this month of June. To looked at coincidently with that of the (or coma) which surrounds the nucleus the man in the street, however, there solar spectrum, a photograph of the the hewspaper descriptions of the line of the observed lights forms the gas whose name is derived from two comets composition. Fifty years ago exact continuation of the dark line b Greek words signifying the blue-prohave a common origin. In this conin a comet would have been scouted have a common origin. In this conas an unpossibility; but the limits of treme delicacy of the spectrum method comet also contains hydrogen, nitroknowledge of the heavenly bodies. The imagine the size of the three-millionth gen and oxygen. These are the elements which compose them part of a milligramme of a salt of simple gases oxygen and hydrogen are sodium. To the naked eye it is an invisible particle of dust. But in spite nitrogen are combined. but also of the sun and stars, can be analyzed as surely as if a sample of their substance were placed in the substance were placed sodium line in the spectroscope. It is light coming from an object sufficienthard to believe that common salt (so- ly heated can tell us the composition dium chloride) is distributed through of the object. It is still more astonishsunlight consists of rays of different colors is the basis of these investigations. The experiment which proved this—and it is one of the most famous that colors is one of the most famous that colors is the basis of these investigations. The experiment which proved the colors is the basis of these investigations. The experiment which proved the colors is the basis of these investigations. The experiment which proved the colors is the basis of these investigations. The dust comes from the sea. Every wave that rises to the storm, and every breaker that hurls or a hundred miles, or a hundred miles, or a hundred miles. this—and it is one of the most famous itself upon the shore, is a contributor lion miles—its light, decomposed in the in the annals of science—consisted in of the salty particles which mingle spectroscope, is compelled to relate the admitting a beam of light through a with the air and are carried all over story of its origin. Our earth is but ened room. A wedge-shaped piece of glass, or prism, was placed in the sible to obtain a flame which does not great truth that stands out clearly. the land. Sodium chloride being thus a speck compared with the size of track of the beam, and the light in indicate its presence. There is no From the minutest atom to the re-

Other Elements. Returning to comets, it is interestthe opposite end. This ribbon of colors ing to notice some further spectro- are practically the same as those of scopic revelations. In Coggia's comet which the earth is made. The "spiritual other test that could detect sodium texture" of the comet, to use Herschel's derful instrument of research called of 1874 there were lines which indiphrase, and the materials in sun and

carburetted hydrogen known as a constituent of the gaseous explosive mixtures that accumulate in coal pits, and of the gaseous products yielded by the distillation of wood, resinous matters, and coal. But does a comet contain anything solid? Centuries of careful observation, not of comets only, but also of those meteorites which sometimes fall to the earth, prove that a comet's nucleus consists of more or less coarse grains of solid matter. The solidity is revealed by a continuous spectrum, that is, a spectrum unbroken by the Fraunhofer lines. In the gaseous envelope there are traces of the same gas latter being frequently used. When a which produces the flame of our gas line of the observed lights forms the stoves; and also of cyanogen, another ducer. It is one of the ingredients in the paint known as Prussian blue. A combined; and air, when oxygen and

Community of Matter. It is a weird fact that some rays of a book is closed sharply. This dust matter throughout all space. The discan color a Bunsen flame and pro- tance by which the earth is separated from its neighbors in the solar system are stupendous, and vet the elements which compose the heavenly bodies

tube represents the darkened room, its slit serving for the slit in the shutter. COFFINED IN A SUBMARINE 25 FRENCH SEAMEN CAUGHT

Few Minutes.

through the prism side by side. Two off Calias harbor on May 31 after collecting every moment of the prism side by side. Two off Calias harbor on May 31 after collect to see the submarine disappear. Beparate spectra are thus produced, liding, when submerged, with the Quick action was taken on the mail and the rays that are present in one Channed steamer Pas de Calais, which packet. Under the able directions of and the rays that are present in one channed steamer has de caials, which packet. Under the able difference and absent in the other can be com- had just started from the French port the officers one of the lifeboats was pared. The spectrum of a comet can for Dover. She had on board a crew speedily lowered, and her crew set to In this way be compared with that of of twenty-two, including two officers, with a will to cover the intervening the light from any glowing matter, and in addition Commandant Prat and distance between the Pas de Calais and its character and composition as- two officers of the Calais submarine and the damaged submarine. We

At the beginning of last century a Calais for Dover when one of her on the upraised bow of the stricken primary colors. Fraunhofer called at- wards, however, the bow of a sub- attention of the imprisoned sailors. It tention to the fact that the spectrum marine arose astern of her. The cap- was obvious that the commander of was traversed by many hundreds of tain at once had a boat lowered, and the submarine was trying all he knew men boarded the submarine to render to get his boat on a level keel. We anyone here but themselves. named by the letters of the alphabet. asssistance. They knocked on the chemical elements in the sun, such as submarine disappeared under the

these chemical elements, having been been manoeuvring under water, and

A Passenger's Story.

rock. The general uneasiness in-

Fraunhofer was the first to ob- horrified to see at a distance of some boat which seemed to be drifting helplessly. The only distinctive mark on the craft was a small flag, but this on the craft was a small flag, but this was at once recognized at once by the Eighty Years of Age officers of the Pas de Calais as that of a submarine. A boat was at once lowered, and with considerable courage the seamen rowed so close to the submerged vessel that one of them was able to lean upon it, apparently with the object of seeing whether there was Dr. Chase's Ointment any means of communicating with the crew. Unfortunately this small presany means of communicating with the the slight buoyancy which it retained, disappear until only a patch of the sea spot where twenty-two gallant men When another ointment is praised it had met with a sudden and horrible

less than ten minutes. Mr. J. Manon, a gentleman who Chase's Ointment to be a permanent country and the Continent, gave a benefits I have received from the use the period during which the sick have cure for eczema and other skin dis- Central News representative a thrillout with running, watery sores all left Calais about 1:40 this afternoon ney and Bladder Trouble for about ly depends. over his head and around the ears. (he said) with nearly 300 passengers fifteen years. I took doctors' mediate is impossible. Many salves were prescribed to no effect. The child's head became a mass of scabs and he suffered agony untold. He became weak and frail, would lose at and we thought we would lose. not eat and we thought we would lose got up her full speed, when suddenly we felt a shock on the portside, The paddle floats seemed suddenly to ring nights every fifteen minutes and had Chase's Ointment and it soon thor- for a few moments as if they were oughly cured him. He is seven years old now and strong and well. An older captain immediattely rang for the always keep a box in the house." engines to stop. The way on the steamer carried her some two hundred

tance of thirty feet. The submarine and puts forth no effort to repay it. tains money from friends under false lay in this position, with scarcely a lt is only too true that, "Loan oft movement. Even two hundred yards loses both itself and friend." Paddle-Wheel, and Sank in a tance of thirty feet. The submarine off we could see oil on the water all The French submarine Pluviose sank around her. The passengers stared, could see a man in the bow of the life The mail steamer had not long left boat throw a line with a hook attached

see the centimetre marks and little upright iron flag. The lifeboat just mangases produces its peculiar spectral described by one of the passengers on by the plunge. Her crew pulled quicklines, and they are dark because their the Pas de Calais: The Pas de Calais ly back to the mail boat, and when the substance from which they come. Ex- who had just arrived by train from de Calais returned to her French port. every element, when rendered lumin- a mile from Calais harbor when we where the submarine had disappeared, bus, gives out its own certain and passenegrs, of whom the majority and the only visible sign of the dis-definite bright lines. If the bright were obviously depressed by the pros-aster was the oil floating on the water. lines of the terrestrial element corre- pect of a rough crossing, were startled The Pas de Calais, although herself

> "Only half an hour before I had seen tomary evolutions. The general opinbor we saw not the slightest sign of not leave you thus,' and wept. Byron anything ahead."

Suffered 20 Years

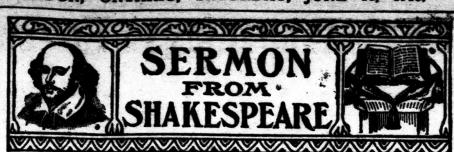
THEN CURED BY GIN PILLS.

Remember, right at the start, that Gin Pills are not a "cure-all." If you have Smallpox, Typhoid Fever or Consure seemed to deprive the wreck of sumption, there is no use in your taking Gin Pills because they probably would not do you any special good. Gin Pills are not a "hit-or-miss" remedy. They are. a scientific preremained above the water gradually paration for the Kidneys and Bladder -for Rheumatism, Lumbago and Lame and are made and guaranteed by the largest wholesale drug house in

in thousands of cases. Here is a case in roint: Annapolis, N. S., May 14, 1909.

the sample box of Gin Pills which I undoubtedly been an important factor took, and found it helped me. but got relief before I had taken near hat amount. I used to get up some to use an instrument before I could some floating wreckage. It was at five hours without getting up. I can once seen that the paddle wheel had truthfully say that I am nearly cured been considerably damaged, and the and am still taking Gin Pills and shall

If you are suffering with your Kidyards forward. The Pas de Calais neys—with sharp, shooting pains swung slightly round to port as she through back and hips—if your Bladswung slightly round to port as she slowed up, and then, as we gazed over the side towards the spot where we thought we had struck the submerged wreckage, we suddenly saw a weird conical shaped object obtrude slowly from the water. Several of the passengers immediately recognized the object as the torpedo-shaped bows of



Keep thy pen from lenders' books .-- house is his castle." This is not true

has become so complicated that it is debtedness when it is due a man canalmost impossible for men of enter- not call even his house his own. prise to keep their pens from lenders' prise to keep their pens from lenders' The warning against borrowing is a books. But for the banks and the loan very old one, much older than Shakescompanies business and industry peare's time. Shakespeare has merewould be greatly retarded. However, in a general way, the advice is as form. In the Book of Proverbs it is given in no uncertain manner: "The sound as it was in the early part of given in no uncertain manner: cash, has an immense advantage over cent date, when the borrowers in many one who is continually dependent on cases actually became the slaves of borrowed capital. The latter is usual- the lenders. ly little more than the employee of a Habitual borrowers are usually most moneyed institution. He struggles unreliable individuals. They are lackand toils, and wonders why he does ing in honor. They seek to live off money-lenders.

Shakespeare was on them. They borrow to supply their books."

is that the borrowers usually select mortgage the future. their friends as victims. The lender Borrowing often le is in a difficult position. If he refuse evils. At first the borrower may conto make the loan he may lose his scientiously intend to pay back, but friend: if he make it, the same fate as he gets deeper and deeper into may await him. A debtor usually debt he continues to borrow when he avoids his creditor, and it is not in sees no reasonable possibility of even A Horrible Accident Off Calais a submarine. In a few seconds the avoids his creditor, and it is not in sees no reasonable possibility of even bows of the boat were poised in the human nature to feel kindly towards meeting his obligations. His borrow-—Submarine Struck Steamer's air and clear of the water for a dis- a man who deliberately accepts a favor ing is then practically theft. He ob-

The deliberate borrower is continually one. He is guilty of theft, but, to acadding to his load. He is not a free complish his purpose, he runs the risk himself in the power of another. Sir little or nothing, but by the practice

LAST DAYS OF BYRON

(Continued From Page Eleven.)

Byron consented when they did urge it, but it was too late. "At last Byron did seem to think himself much worse than usual, and said to Fletcher: 'If you think me so ill, send for Dr. Thomas, and spare no the double flight was a thousand feet, expense, and do not let the doctors and I made the greater part of the know, for they do not wish to have Still, What are these dark lines? They are plates of the deck but received no slightly, only to appear to sink further was afraid of madness, and of a recould see the bow at times raised however, he had no idea of dying, but acted in the most gratifying manner caused by the presence of various reply, and a few minutes later the downwards. Suddenly this downward currence of his fit which he had in miss-fired on one occasion. motion became more pronounced, and February, so much so that he told nickel, and several other elementary or simple bodies, at a very high temperature. At their high temperatures the diseaser. She had without doubt or simple bodies, at a very high temperatures the diseaser. She had without doubt or plunge downward like a large of the submarine, which all along had Fletcher he did not care for dying, interacting one. It was so beautifully but that he would not bear madness, clear that I could see Calais from the at the same time looking at his pistols time I left the Dover cliffs, so that an angle of 25 degrees, seemed but that he would not bear madness, clear that I could see Calais from the at the same time looking at his pistols time I left the Dover cliffs, so that and dagger, which were lying beside there was no difficulty whatever in volatilized, exit as gases. These gases was coming up to the surface when mained in the air some fifteen minutes, removed. It was not until the after- to the wind there was a little deviation with the result that I made the sompose the sun's atmosphere, and, she came in contact with the Pas de and during that time we could plainly noon of the 18th, within half an hour tion, with the result that I made the of becoming delirious, that he thought land at Sangatte instead of at Calais. he might die. He then began to be "I circled around the Channel Tun-The appalling catastrophe is thus aged to get out of the vortex caused angry with his doctors, and said to nel works at Sangatte, and I found Fletcher: 'The doctors have assassin- everything was working well, and that ated me, and you are in the plot to there should be no difficulty in mak-assassinate me, too, Fletcher burst ing the flight back to Dover—which I assassinate me, too, Fletcher burst ing the flight back to Dover—which I into tears, and said, 'Oh, my lord, how had set my heart upon. It was 7.15 can you think so?' at which Byron when I reached Sangatte, and I then was moved, and said, 'No, Fletcher, I did not mean to say so; come here,' "As I made my circle over Sangatt." and he took his hand and began to I dropped three duplicate messages sorry ne nau done nothing to the pect of a rough crossing, were statical The Pas de Calais, atthough not sorry ne nau done nothing to the bound with any dark lines of any by a dull, grating sound which at first damaged, was able to return to the his will, but Mr. Hobhouse would be sorry he had done nothing for him by bore the following message: heavenly body which shines by its own conveyed the impression that the harbor unaided and with both paddles his friend and see him provided for. He then expressed an anxiety to do creased when the vessel slowed down the submarine, which we afterwards Tita, and his Greek boy, Luca; but Spectroscopic tests, made at some and was brought to a standstill. There learned to be the Pluviose, proceed was a rush to the starboard side of slowly out of the harbor for her custimes in the recent comet. From the comment path, and his Greek boy, and and his Greek boy, and the starboard side of slowly out of the harbor for her custimes in the recent comet. From the comment path, and his Greek boy, and and his Greek boy, and the starboard side of slowly out of the harbor for her custimes in the recent comet. tinued angry with the doctors, and ion on the mail steamer was that the particularly with Dr. Millingen, who moment when she was struck she must had all along made light of the dis- diately after dropping out these notes, have been coming to the surface, as order. He told the doctor to leave the and planed up to about a thousand from the time that we left Calais har- room; but Dr. Millingen said, 'I can- feet.

joined Lory Byron, 'not mine.'

"When he became delifious, no the other day, and for a considerable showed by what he said that he was part of the homeward flight I had to trying to give some last directions. He was muttering for half an hour, and no other means of effectively ascer-On this, poor Byron looked shocked and said, 'What a pity! It is too late distance I decided that as I had plenty Fletcher replied, 'My lord, not a word.' on the following evening, and closed them instantly. The d felt his pulse, and he was gone." The doctors

A MINISTERING ANGEL THOU.

The honors paid to Florence Nightingale on her ninety-first birthday of Gin Pills. I am over 80 years of had the benefit of the competent nurs-"We age and have been suffering from Kid- ing on which their recovery so large-

It is impossible to conceive of modern medical practice without the aid "I want to thank you for sending me of trained nurses. Their efficiency has "I have taken six boxes of Gin Pills, Yet but little more than half a cenin the increased curability of disease. tury has elapsed since Miss Nightingale set out for the Crimea on her mission which was to revolutionize hospital work, and it was not until 1872 that the first class of trained nurses was graduated from the Belle-

vue Training School.

extended to every sick room. She times by raising his cap.

if the man is a debtor. Gates and doors can be forced open by the cred-Since Shakespeare's time business itor. If he be unable to meet his in-

the seventeenth century. The man of rich ruleth over the poor, and the borbusiness who can build his own fac- rower is servant to the lender." There tory, extend it and buy his goods for was a time, and of comparatively re-

not get ahead. His business is suc- the fruits of the labors of others cessful; he turns out fine goods and Through the generosity of kindly-disfinds a ready market; a fair profit is posed friends they manage to keep made, but instead of going into his their purses replenished, but the own pocket, the bulk of it goes to the money has come to them without effort and it goes just as easily. The not however habit of borrowing frequently breeds thinking of business loans when he the habit of squandering. Old Sir caused Edgar in King Lear to say, John Falstaff was a typical borrower "Keep thy pen from lenders' books." and an inveterate squanderer. A mar He had in mind the ordinary borrow- of his stamp could "get no remedy er who borrows for immediate personal needs. This style of borrowing borrowing only lingers and lingers it dangerous. The habit grows. It is out, but the disease is incurable." Inparticularly prevalent among people of curable to men of the Falstaff stamp, imagination. Micawbers still abound, parasites on society; curable to men They do not like work and are blest who put forth effort. Work and thrift with imaginations that lead them to believe that fortune will soon smile and 'keep the pen from lenders

wants, confident, although past ex-perience teaches them otherwise, that knew when he wrote the "Merchant of they will be able to meet their ob- Venic," Without intending to do so ligations. Fortune, with rare excep- he has, in that familiar drama, distions, smiles only on industry, and the coursed wisely on the evils of borrowborrower is usually not industrious, ing. Whatever tragedy there is in i As Polonius said to his son Laertes, is due to easy-going, selfish Bassanio, "Berrowing dulls the edge of hus- who got the name of his friend Antonio on Shylock's books. The worst feature about borrowing oblige a friend it is dangerous to

Borrowing often leads to greater Debt is a serious matter. It is holds up the traveller on the highway truly spoken of as a load, a burden. is, if not an honester man, a nobler By incurring debt he places of life or liberty. The borrower risks Edward Coke, who was a contempor-ary of Shakespeare, said, "A man's character.

TO FRANCE AND BACK

(Continued From Page Eleven.)

offered him on behalf of the press, Mr Rolls-I describe him now by the more ordinary and formal nomencla-

journey at that height. My engine

"As I made my circle over Sangatte contained in weighted envelopes. Each

Greetings to the Aero Club of France. Dropped from the Wright aeroplane crossing England France. C. S. Rolls. Vice l'Entente!

I started my return flight imme-

"Soon after leaving the coast there replied. 'You have been with me too was a good deal of haze on that side He then said to Fletcher that of the Channel and right away to he believed he was in a dangerous mid-Channel - in fact, I had about way. 'I hope not,' said Fletcher, "but three parts completed the journey bethe Lord's will be done.' 'Yes,' re- fore I could pick out Dover Castle. I had to do the same as De Lesseps did became delirious, he the other day, and for a considerable then said, 'Now I have told you all. I taining my correct course after I had passed the tugs, which was very early

then plane shed here.

"On the double journey, and including my circling over the land, I cov- For the Channel flight there had ered quite fifty miles, and I have still been attached to the biplane four large enough petrol in my tank to carry again."

Mr. Rolls added that on the outward flights he deviated thirty degrees to efficacy. the west owing to the strong wind he encountered at the great height at which he was flying.

Shortly after his talk with me he was surrounded by enthusiastic ad- than 5,000 years ago has just been mirers anxious to shake hands with him and congratulate him. Amongst King, assistant in the department of these was Mr. Duckham, who paid the Egyptian and Assyrian antiquities at expenses of the Bleriot monument the British Museum. erected by the Aero Club, and who had given Mr. Rolls considerable assistance, for which the aviator thanked scribe the quiet life, occasionally dishim cordially.

Ring of Soldiers.

In the meantime a number of Royal Artillerymen had arrived on the scene their beginnings of civilized life was From these small beginnings has and undertook the duties of keeping a founded the after greatness of Babygrown within a generation the great clear space for the aviator and his bihumanitarian profession for women for plane. These Mr. Rolls thanked for which they have shown a special ap- their kindly assistance in keeping him tile plain at the head of the Persian titude and to which they are attracted unimpeded, and seeing that his main annually increasing numbers. chine was in safety. Rounds of cheers chine was in safety. Rounds of cheers The influence of the woman whom were given for the aviator by the as- three volumes which Mr. King has re-England as also the civilized world sembled crowd and the soldiers, and cently completed. He has called it "A honors beyond perhaps all others has Mr. Rolls acknowledged these several History of Babylonia and Assyria."

extended to every sick room. She times by raising his cap.

The Sumerians lived in cities. Their

Bakes-Roasts-Broils-Toasts

BAKES bread, pie and cake hakes them perfectly all through, and browns them appetizingly. ROASTS beef, poultry and game with a steady heat, which pre-serves the rich natural flavor. BROILS steaks and chops-makes them tender and inviting. TOASTS bread, muffins, crack-

ers and cheese. No drudgery of coal and ashes; no stooping to get at the oven; no smoke, no dust, no odor - just good cooking with greater fuel economy. Irons and water in washboiler always hot. The

New Perfection

has a Cabinet Top with shelf for keeping plates and food hot. Drop shelves for the coffee pot or saucepans, and nickeled towel racks. It has long turquoise-blue enamel chimneys. The nickel finish. with the bright blue of the chimneys, makes the stove very attractive and invites cleanliness. Made with 1, 2 and 3 burners; the 2 and 3-burner stoves can be had with or without Cabinet. CAUTIONARY NOTE: Be sure you get this stove—see that the name-plate reads "NEW PERFECTION." Every dealer everywhere; if not at yours, write for Descriptive Circular to the nearest agency of the

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Reduction of 25 Per Cent Off Marked Prices on all music and musical instruments.

THE NEWCOMBE PIANO CO. LTD

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ed, add considerably to the safety of the machine.

air bags filled with compressed air, to half-way across the Channel keep the machine affoat in case of any accident when over the sea; but happily there was no need to test their

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A picture of life in Babylonia more pieced together by Mr. Lonard W.

Marshaling the evidence of recent excavations, Mr. King can now deturbed by wars between cities, of the Sumerians. These prehistoric folk inhabited Southern Babylonia at a period approximately of 3,500 B. C.

How the Sumerians lived on a fergulf will be described in a connected way for the first time in a book of gave to the afflicted a new lease of life and to her sex its noblest voca- tion.—New York World.

The sumerians lived in Cities. The sumerians lived in Cities were of unburnt brick, surface and to her sex its noblest vocation.—New York World.

to sleep now, and turned on his back of petrol, and as my engines were weighs nine hundredweights, and is The Sumerlans had a knowledge of irand shut his eyes. This was at six working splendidly, I would encircle 40 feet spread across the wings, and rigation, because they brought water o'clock on April 18. Every means was the castle, although it would lengthen 45 feet in length of planes. It is fitted from low-lying rivers on to higher used to rouse him, but in vain. He my flight considerably. I did this, and with rear planes, the invention of Mr. ground by means of water-wheels. The opened his eyes just at six o'clock then continued the flight to my aerobeen a long, fringed mantle, probably the skin of an animal. The men clad themselves in a sort of shawl or man tle.-London Mail.

