GAS BOOM

WAS PREDICTED

Continued from Page 1.

face gas, so called because it is found at the surface of the rock. It has mo perceptible odor and burns with an intense heat, but is a poor illuminant. Its properties correspond with those of methane, or marchigas. It is a hydro-carbon, and is grobably produced from the slow distillation of either oils or bituminous shale or other rock, having allied substances contained in the rock, stratum below the clay cap.

The second is the commercial natural gas that is found in more or less deep borings in the rock. The properties of this gas are the same as the above, with this exception, that it possesses a strong odor resembling that of crude petroleum. The odor is no doubt due to an admixture of vapors of some volatile liquid hydro-arbon. This gas is pobably the production of oils, bituminous shale or other allied substances. By a process of slow distillation, or decomposition, similar gases to the above are disengaged in coal mines from the fresh cut surface of the coal, apertures emitting for a great length of time a copious stream of gas.

SOURCE OF THE GAS.

For the reason given above, it occurred to me the source of surface gas mut lie very much deeper than the position in which it is usually d. First, there is no perceptible found. First, there is no perceptible amount of organic matter \$\pi\$ be found in the clay overlying the gas wein. Second, the known existence of strata containing petroleum, biguminous shakes, and other organic matter at more or less dep hs below the surface gas veins, forming a source of supply from which gas may be, and in all probability is, obtained. From the above reasons and other evidences collected, I came to the comclusion that all commercial and surface gases are identical and

and the properties of the prop

WHAT

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known fruit. To this combination of fruit juices, tonics and internal antiseptics are added, and the whole made into tablets.

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where for 500 allows and other organic matters at more or less depth is. Bow the attraction and the organic matters at more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and the organic matters are more or less depth is. Bow the attraction and surface scenarios are more or less depth is an attraction and surface scenarios. It is also that all commercial and surface scenarios are made and the organic matters are more metallic matters. It is also the surface or the surface

feet, Erie or blue clay, products surface gas.

Devonian Age. 3—Hamilton, 250 feet, consisting of bituminous shales, thin limestone. Products; this shale has been regarded as the main original source of the oil regions tof. Ohio and Western Pennsylvania. In the same localities gas is often given out in large quantities. It ale furnishes the very best flagging stones. In some localities there are numerous sulphur springs. 4—Corniferous, 300 feet, consists of shales, flinty limestone or chert beds, sandstone. Products, oil, brackish water, gas in considerable quantities. It is from this formation the oil near Bothwell is procured. 5—Oriskany, 250 feet, sandstone, some shale and limestone intermixed. Products, oil, salt and water.

water.

Upper Silurian Age. 6 — Lower Helderbury. 350 feet, consists of shales, limestone and sandstone. Products, water lime, rock salt, mineral water, sulphuretted hydrogen gas. 7—Onondaga. 216 feet, consists of shales, marlite, limestone. Products, plaster of paris, rock salt, mineral water, brine springs, hydrafted sulphuric acid.

It is from this formation at Goderich that the salt is obtained, at a depth of from 964 to 1,180 feet. The same formation near Chatham wo. 11 be reached at a depth of about 1,250 feet.

8—Guelph, 20 feet, the same material and products as the Onondaga.

daga.

9-Niagara, 100 feet, consists of limestone, shales, sandstone. Products, oil occurs in considerable quantities in this formation at Chicago; at Hedbridge, N. Y., laad and

copper.

10—Clinton, 30 feet, consists of red shates and sandstone. Products, impure iron ores.

11—Medina, 350 feet, consists of brown sandstone used for building furposes. Products, gas, when the rock is of sufficient porosity, the gasoriginating in the formations below.

ISOFT AND PLEASANT! NOT THE ITCHING KIND

Some underwear always seen to rub you the wrong way-a nasty, prickly, disagreeable feeling. You know how that kind makes you

UNSHRINKABLE UNDERWEAR

made from the best and finest qualities of Australian Wool -much finer than the Canadian wools-retains all the origina qualities of the wool and is soft and elastic. It is as soft and fits as well

at the end of the season as at the beginning.

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GEN. BOOTH'S PREDICTION. Hale Old Leader of Salvation Army Talks of His Death.

The Big Locks At the Soo.

The greatest attraction at Sault Ste. Marie is the locks which raise the vessels from the level of Lake Huron to that of Lake Superior. Fifty years ago the first lock was opened. It was a small affair compared with the present canals. On the American side two locks are in operation. The larger of these is 300 feet long, 100 feet wide, deep enough to permit the passage of vessels drawing twenty-one feet of water and big enough to permit four large vessels to pass through at once. On the Canadian side there is also a lock, greater in length, but of less width, and of sufficient dimensions to allow three vessels to be raised or lowered at once. All the shipping from the upper to the lower lakes must go the sufficient first locks. The comlowered at once All the shipping reaches the upper to the lower lakes must go through these three locks. The commerce passing through these canals is by far the greatest in the world. In 1904 the Suez canal passed approvimately 12,000,000 tons of shipping. In the same year the canals at Sault Ste. Marie carried 31,546,106 tons. Yet all the business in the "Soo" must be done in seven months, while the Suez canal is in operation all the year round.—Four Track News.

> OF CANADA You Must Save

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FASHION'S FORECAST

THE FALL HAT AND ITS FADS AND FANCIES.

mall Shapes the Vogue—Taffeta Buili Into Smart Tallored Hats. Mahogany Brown and Gray a Striking Combination.

In a few weeks summer hats will be "called in;" consequently the question trembling on the lips of every other woman one meets is, "What shall I get for a fall hat?" As it is going to be a "please yourself" season, there are no hard and fast rules to govern the selection. There will be all sizes and shapes from which to choose, but the essential thing is to choose the thing that is becoming.

thing that is becoming.

Paris is trying again to foist upon us the small hat, not the run mad



TOQUE OF OLIVE GREEN.

chapeaux she sent over last fall, but toques and turbans, with legitimate back and front that one does not have to puzzle over to tell 'tother from

Pressed shapes will be all the go Pressed shapes will be all the go-with colder weather. Slik braid, folds of velvet and slik combined to make the body of the hat and the frame cov-ered smoothly with velvet and felt-these will be de rigueur. But there will be many dramed hat worn and will be many draped hats worn, and plain taffeta will be built into some very smart tailored hats.

Outing hats are the first to make their appearance in the shops. The season's models have rather high, flat crowns and rolling brims raised high at the sides. They are of white and light tan, French felt and trimmed with tan, French felt and trimmed with silk or velvet, stiff wings and pompons. A pale tan affair is prettily trimmed with light blue silk and blue pompons. Milliners are predicting a great run for brown hats. Among the new color effects are brown combined with Du Barry pink, peacock blue and bright green, while a mahogany brown combined with gray is very chie, Black hats, too, are very smart.

bined with gray is very chic, black hats, too, are very smart.

Great quantities of ostrich feathers are a fall hat trimming, but those sick-iy looking uncuried feathers that have drooped pathetically on so many sum-mer hats have had their day. Winter mer hats have had their day. Winter will see none of them. Wings, quills, breasts and fancy feathers will wave above every woman's head on every hatted occasion.

What with the new winged effects,

lovely ostrich feathers, beautiful now-ers, the new hats promise to be won-derfully smart and attractive.

The hat seen in the illustration is a smart model with the stamp of Paris upon it. It is an elongated toque with a high arrangement at the back of ribbon loops and tawny yello

Rapping on Wood. "Gness I'd better rap

And then she—and pretty frequently he—reaches under the chair and con-scientiously knocks three times on the frame of it. Undoubtedly most persons do it sim-

Undoubtedly most persons do it simply for the airy persifiage of it, but there are plenty of others to whom it represents a pretty vital precaution against being overtaken by an ill from which they have declared themselves free so far.

The custom is said to have had a re-

free so far.

The custom is said to have had a religious origin. The three knocks signified an appeal to each of the three persons of the Trinity, and the substance rapped upon was of wood, because Christ was crucified upon a cross of wood.

Hot Soda Baths.

Hot soda baths are recommended by some persons for rheumatism, and the way they are taken is this: Fill the tub half full of water as hot as can be borne, add half a pound of common baking soda and immerse the body for at least twenty minutes, keeping up the temperature by the addition of hot water from time to time. Vaseline or cold cream should be rubbed into the skin after the latter has been dried in, order to replace the natural oil.

This strange fruit, which has been served as a novelty at a few dianer parties recently, is an Avocado pear



etween the shell and the ker eaten, with pepper and salt.

Your Liver

You cannot possibly enjoy good healt when the liver is inactive and the bowel consupated. You must keep the live active. You must have daily action of the bowels. Ask your doctor if this is not true. Ask him at the same tim he knows a better laxative than Ayet's Pills. All vegetable, sugar-coal Dose, only one pill, at bedtime. We have no secrets! We publish & C.Ayen the formulas of all our medicines! Lowell, M.

DISTRICT

ed by C. F. Ouellette, just east of the Public school, was destroyed by fire. The origin of the fire is unknown, but supposed to have started from the chimney. The house was occupied by Fred. Ouellette, All the downstairs furniture was saved.

Mrs. Venning and little daughter, Ethel, were in Ingersoll on Wednesday attending the wedding of Miss Rath.

Jeannette's Creek new bridge is now

occupied the pulpit of St. Paul's on Sunday.

Mrs. Benj. Rothwell, whose life has been in the bulance for a few days, is reported as improved to-day.

A petition is in circulation here asking for a daily mail service.

Will Smobelen and wife, Blenheim, were the guests of friends on the creek, Sunday.

Mrs. James Johnston is lying seriously ill.

James Liddy's health is in such a condition as to cause his friends much anxiety.

day attending the weading of mass and a grant that for a few days visit in Detroit on Wednesday.

The first car of sugar beets was shipped on Tuesday by S. Garbutt. There will be about 150 carloads of beets shipped this year.

G. Smith brought into the ware-house the best, white wheat that has been marketed this year. It tested 32 pounds from the machine.

THORNECLIFFE.

much anxiety.

A. B. McOoig M. P. P., was an up the creek visitor on Sunday.
Carrie McCormick, the little linnet of St. Paul's, sang a solo surpassingly sweet at Sunday's service.
The Rev. Mr. Tydell, Zion, will preach from the pulpit of St. Paul's next Sunday.
H. Clements, M. P., City, was an up the creek visitor this week.
Aggie McOormick returned home on Saturday, after a four months sojourn in Chicago.

For the table—for cooking—WINDSOR TABLE SALT

The social held by the Baptist people on Thursday evening was a decided success. The program was furnished by the Chatham Baptist choir, and consisted of duets, solos, recitations and speeches. All enjoyed themselves.

A Kerby and A. Brown were Ch tham visitors on Suturday.

Mrs. Early's new residence is progressing nicely. J. Pearson has the montract.

A. Kerby and family were Dresden visitors on Sunday.

Rev. Mr. Edmonds preached in the Methodist Church Sunday evening.

Frank Houston is moving to Wallaceburg. uch anxiety.
A. B. McCoig ,M. P. P., was an up

even ng.

Monday forenoon the dwelling ownwhat is without.

JEANNETTE'S CREEK.

The Method'st church will hold their harvest home services on Sunday next at three p. m. The choir will give special musc. A supper and convert will be given on Monday even ng.

Monday forencon the dwall now a proper success of the convert will be given on Monday even ng.

Monday forencon the dwall now a proper success of the choir success of t





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