EXPLOSIVES MADE FROM AIR

Norwegians Make Use of Nitrogen in Novel Manner as a Calcium Carbide.

BIG PLANT IS IN OPERATION

(Correspondence of The Associated Press.) CHRISTIANIA, Feb. 3.- The process of withdrawing nitrogen from the air use in manufacturing artificial fertilizers and high explosives may be seen in operation at the new 60,000 horse power plant at Odda in the Hardanger Fiord.

The separation of the nitrogen from the oxygen in the air is accomplished by compressing the air into liquid form. The nitrogen, which boils first, at about 229 degrees below zero (Fahrenheit), is led away by specially constructed mains and the oxygen, which boils at about 26 below, is utilized on account of its intensely low temperature to assist in the lique-faction process. Ultimately it escapes into the air again.

The nitrogen gathered in this manner is put into form for use by combining with calcium carbide, a substance known to practically every automobilist owing to its offensive odor. Carbide is made by fusing limestone and coal the intense heat of an electric furnace. The operation can only be performed where electricity is very cheap. When carbide is heated in an atmosphere of nitrogen it absorbs the nitrogen, forming a compound known as nitrolim. This is the new fertilising product which Norway is now producing on a wholesale

The power for the gigantic Odda plant is furnished by the nearby water falls. The lime and coal are fused together in a series of furnaces each employing 2,000 horse power. All the pyrotechnics of a steel furnace are eclipsed when one of the great Odda crucibles is tapped for the molten carbide pours forth with a glare that no man dare face with unpro-

Meanwhile the production of the nitrogen is being pursued in another department. Air for the purpose is drawn in great inlet pipes from the mountain tops. This was found necessary because the air in the valley around the great works was found to contain traces of acetylene gas from the carbide. Acetylene gas under pressure is dangerously explosive, even a trace of it in the liquefaction Plant would be likely to cause the destruction of the entire plant.

The nitrogen from the liquefaction plant is turned into cylinders filled with powdered carbide, which are heated from the center by the passage of an electric current through a piece of carbon and as the temperature rises the carbide absorbs the nitrogen and glows with the heat of chemical action. The result is nitrolim, the artificial substitute for nitrates and natural fertilizers and the starting point of another process for the production of niteic acid and certain high explosives.

AMERICAN ARMY CROSSES MEXICO **BOUNDARY TODAY**

(Continued from Page One.)
State department, expressed regret at the Columbus massacre, but made no confiment on the proposal of sending American troops to hunt down the bandits. Elisso Arredondo, his ambassador here, was officially informed of the American government's action. He only replied that he would communicate with his chief. He has previously expressed the personal appriate that the movement would not be that the movement would not be

say what their attitude would be if Gen-eral Carransa took a hostile position. They said the United States would settle that question when it arose. If an offer of co-operation of Carransa troops is made, they said, it could hardly be re-fused. Today General Carransa ordered 5,000 troops from various garrisons to on the Villa forces

Just a Punitive Measure. The effect of their advance probably would be to keep the Villa bandits near the border, but Secretary Lansing aned during the day that no matter how far into Mexico it was necessary for American forces to penetrate, or to what their force, the United States would consider the expedition a punitive one-one purely for the suppression of outlaws. For such action there is ample precedent in international law and, in fact, in the relations of the United States with Mex-

How many of the 12,000 troops now or the berder will be employed has not been fully determined. The general plan will be to distribute the infantry to guard the border towns, while the cavalry will be released for scouring the mountains, deserts, sage brush and arryos. In order not to weaken the defense of border towns it may be necessary to move other troops from interior posts to the border, Guard May Have Chance.

exists in the situation tonight, but any north of the international line. larger scale of operations would involve No orders have been given to the navy. The fleet, with more than 10,000 bluelackets and marines available for landing duty, is on the winter drilling grounds off Guantanamo, within easy saffing distance of Mexican waters, should anti-American demonstrations or

While the government counts the naval forces as available, there is every disposition to do nothing in the way of a whom the United States hopes and ex- ing the south. pects co-operation, passive at least, if

In sharp contrast to the stirring scenes in congress two years ago when President Wilson ordered the fleet to Vera Crus, the president's action today was received with marked complacency in both house and senate. Members had prepared to make speeches urging action, when word went around that the prosident had ordered in the troops, expressions of approval were heard on both ides of the chambers.

Give President Rein. permit them to be referred to the foreign sign that your system is in a low or run-relations committee without debate. The down condition inviting disease. It is a pleas of the administration leaders to let the president deal with the situation in

The president outlined his position fully to Senator Sione and Representative It makes the rich red blood that will Flood, chairman of the foreign affairs make you feel, look, eat and sleep Soon afterward Mr. Plood better. Informed the house committee and Sen-ator Stone called a meeting of the senate embodies the careful training, experience,

M'LEMORE OF TEXAS, whose resolution, asking for the warning of Americans not to sail on armed vessels of belligerents, furnished the basis for the greatest controversy in the halls of congress since the beginning of the European war.



as possible all discussion in congress and to block any action which might interfere with the president or serve to indicate

that the United States is engaged in more than a purely punitive expedition. In his action today, it is pointed out, the president was wholly within his constitutional authority to repel invasion

WATCH FOR RETURN OF VILLA BANDITS

(Continued from Page One.) here at 9 o'clock. Trainmen reported quiet prevailed at Hachita, and Victoria, where American troops are stationed. The pocketbook of T. M. Evans, one of the Americans massacred January 10 at Santa Ysabel, was found on the body of a Mexican officer identified as Pablo Lopez, second in command to Villa Wounded Mexicans said that it was generally stated among Villa troops that while Lopez led in the massacre he acted

without orders from Villa. A battalion of the Twentieth infantry, commanded by Major William R. Sam-ple, reached Victoria at daylight.

Villa Fifteen Miles South. Villa at the head of the main body of the bandits was reported fifteen miles south of the international line, where they halted after a running fight yesterday with pursuing United States troopers Signal fires seen along the border south of here last night were believed, however, to have been placed by bandits, and a report that armed raiders were in the vicinity of Hachita, N. M., led the military authorities to dispatch reinforce ments to the border patrol there!

The possibility of further bandit raids was admitted by army officers and armed civilians and state militiamen and cowboys were co-operating with the federal authorities in maintaining a border

Troops Return to Border,

The treopers under Majors Tompkins and Lindsley that pursued Villa into Mexico returned late yesterday and aided in patrolling the border during the night. With the First battalion of the Twentieth infantry stationed at Victoria early today, Colonel Slocum has about \$40 men under his command, prepared to meet any further advances by Villa on Amer-

"If he comes again we will give him a worse whipping than we gave him yes terday," said Colonel Slocum Early today no signs of Villa's return from the hills was apparent.

Armed civilians kept guard at the school house, where their wives and daughters spent the night. The Mexican quarters were closely guarded by patrols. The town was quiet and dark, except for the glowing embers of the ruins of the hotel. The commanding officer of the Seventh cavalry, patrolling the border west of

here near Gibson's ranch, was notified to watch for any attempt by Mexicans to cross the border at points leading to No prospect of using the National Guard | Deming? N. M., a town about forty miles

TROOPS ANXIOUS

TO BEGIN PURSUIT

(Continued from Page One.) eral Gavira, commanding at Juarez, has uprising endanger American or other for- the bandits' escape to the eastward blocked, and official information from Asua Prieta was to the effect that Military Governor P. Elias Calles, had disposed troops in the last twenty-four hours naval demonstration which might be re- to cut Villa off from entry into Sonoragarded as menacing Carranza, from General Gutlerrez was reported watch-

> Seventh Cavalry Goes to Border. Advices today from the west stated that the entire Seventh cavalry, under Colonel Erwin, had left Hachita for Culbertson's ranch on the border. A troop of cavalry was reported en route from Douglas, Aris., to Hachita.

That Tired Feeling

That tired feeling that comes to you Senators Fall and McCumber, republi- in the spring, year after year, is a sign cans, both introduced resolutions propos-that your blood lacks vitality, just as ing occupation and policing of Mexico pluples, boils and other eruptions are with large forces, but they consented to signs that it is impure; and it is also a

Ask your druggist for Hood's Samaits present phase seemed to be acceptable parilla. This old standard tried and true blood medicine relieves that tired feeling. It cleanses the blood, gives new life,

committee for tomorrow morning for the and skill of Mr. Hood, a pharmacist for same purpose. The object of administiffy years, in its quality and power to traffen leaders will be to prevent as far

one troop of Seventh cavalry was sent Alamo Hueco, ten miles south of Hachita. There were American cavalrymen also at Dog Springs, guarding all routes agrees the boundary in that secion of New Mexico.

Other United States troops were dismed of today as follows: First battallion, Twentieth infantry, at lctoria, thirty-two miles cast; troop G, Thirteenth cavalry, at the border gate three miles south of Columbus. Six troops, Thirteenth cavalry, in camp with mahine gun platoon at Columbus. Heavy patrols were stationed all along railroad ine from Hachita to Columbus

FUNSTON ASKS FOR IMMEDIATE ACTION

(Continued from Page One.) raid, he is believed to have about three thousand. Even if he should not continue raids, he has entered on a policy of merciless killing of Americans in Mexico. "To show apathy and gress inefficiency of Mexican government troops, and American woman held prisoner by Villa for nine days, but who escaped in Columbus fight, states that during all that time he was undisturbed at no great distance from the board collecting a force of about 3,000 men. The few Caransa troops in the region fled, losing all contact with him and not even informing us es to his whereabouts.

Secrecy Recommended.

"If it is proposed to take action suggested, I recommend no information be given out in order that we may stand some chance for surpresing.

"If desired I shall personally command. It would be desirable to replace as soon as possible from available cavalry in the United States the cavalry taken from the (Signed) "FUNSTON."

Piles Cured in 6 to 14 Days.

Druggists refund money if Pago Ointent falls to cure Itching, Blind, Bleeding or Protruding Piles. First application gives relief. 50c .- Advertisement.

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HARRY WISWALD, corporal Troop G. FRANK T. KENDVALL, horseshoer, CORPORAL PAUL SIMON. JOHN NEIVERGELT, band sergeant, FRED A. GRIFFIN, private, Troop K. SERGEANT MARG R. DOERS, MA.

chins-gun troop. TROMAS BUTLER, Troop Y. UNHAMED CORPORAL.

WOUNDED. M. Puche,

Mrs. J. J. Moore. Lieutenant C. C. Benson, Troop G. Jesse P. Taylor, Troop F. Theodore Raiserks, Troop L. Michael Basmasel, machine-gun troop. John Tarborough, Troop M.
James Vennar, Troop M.
John Keeugh, Troop G. Captain George Williams, Private James Veeder, Troop R.

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Saturday, March 12. Apply to General Manager.

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Silk Laces, Net Laces, Venise, Val. Torchons and Novelties, Colored Silk Nets, Radium, All-Overs and Chiffons in all colors. Main Floor.

Prepare for the Spring Rains

Ask to se our new "two in

An Umbrella Parasol will delight every woman. India shape, short handles with silk loop for the arm, silver or gold frames, in black, green, blue and change-

-MAIN PLOOR

Have You Seen the New Buttons?

So many new shapes, sizes and colors that we can't start describing them. Beautiful novelties as well as all staple

You are asked to see these Saturday.

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QUAKER GLOVE CLEAN-ER, a surprisingly satisfactory preparation; 50c size,

MANICURE SETS, containing file, nall stick and em-BATH SOAP, 8%c a cake.

English Corduroy

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In Rose, Gray, Cope, Gold and Ivory. The right weight for Coats and Suits. Main Floor.

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GOLDEN CROSS ORGAN-DIES AND IRISH LINETTE, soft sheer fabrics in all the new shades and patterns for dresses and waists; 19c and 20c a vard.

HOLLY BATISTE AND FLAXON TISSUES, pretty patterns in floral and stripe effects, fast colors, 15c a ya.

BATISTE RIPPLETTE nothing finer for house dresses and children's wear; colors dependable, no ironing necessary; in stripes and neat checks, 15c a yard.

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Values Saturday

36-inch Colored Messaline, good weight, \$1.00 a yard.

36-inch Light Colored Crepe de Chine, \$1.00 a yard.

Values That Could Not Be Dupli.

cated for Less Than

\$1.25 to \$1.50 a Yard.

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32-inch Striped Tub 85c and \$1.00 a yard.

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Indeed a charming sec-

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of the newest, the most au-

thentic blouse ideas for the

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Silk Dresses of Particular Charm

The combination of Georgette crepe and taffeta is a clever idea used by Dame Fashion in the moulding of her Spring styles. The bright crinkly stiffness of

the taffeta is more than offset by the soft clinging folds of the softest Georgettes, billowing into the full lines of the accepted mode.

These Eye-Appealing Gowns Are Not Expensive

The Starting Price is \$25 and there is a complete showing for this price.

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There is no charge for any alteration service.

Apparel Section-Second Floor.

Regen Corseto

OUR CORSETIERES will be of the greatest assistance to you in selecting your model from the new

Redfern Corsets

which are just received for Spring.

EACH STYLE is an interesting style—each has its own particular points for the figure it is intended to serve, and our corsetteres will select for you the one best adapted to your figure.

Yes, and more than thisnot only adapted to your figure, but the one that will fit your figure comfortably and build out of it a figure

Corset Section-Third Floor.

Beautiful New Millinery

Exclusive Styles Expressing the Touch of Springtime

Dame Fashion says that for spring the new hats are high and narrow; that brims assume a wide range of picturesque irregularity; that ribbons predominate; that flowers are used profusely to remind one of springtime; that new colors have appeared and are applied with charming

These facts are gathered quickly by the observing visitor to this group of Hemp, Milan Hemp, Milin and Lisere Hats, trimmed will gours, flowers, ribbons, fruits and foliage that will gain a host of friends for us.



Priced From \$7.50 to \$18 Millinery Section-Second Floor.

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Novelties and staple embroideries, organdies, batistes, voiles, swiss, cambric and nainsook.

Convent embroideries, ribings and galloons.

bon beadings, seam bead-

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phites 15c N. R. or Nature's Remedy Tab-Lotion
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