

WAY TO INCREASE GASOLINE OUTPUT

More Complete Condensation of Still Vapors Would Yield 120,000,000 Gallons More—Findings of Mines Bureau.

Washington, June 16—Possibility of increasing the output of gasoline by 120,000,000 gallons through more complete condensation of still vapors at petroleum refineries in 1921.

"Application of the system to all refineries would give a possible gasoline recovery by this method of 170,000,000 gallons yearly," the bureau said in a statement.

"The calculations of the Bureau of Mines are based on results obtained in refineries whose general methods are more efficient than those employed in the hundreds of smaller skimming plants that have no recovery systems. It is assumed that in the less efficient skimming plants, located in sections where the supply of cold water, so essential

Baby's Own Soap



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for condensed use, in scarce, greater recoveries could be made than in the large refineries studied. This should be especially true of Oklahoma, North Texas and Louisiana skimming plants, where summer temperatures are high and where cold water is scarce. A survey of these plants, it is believed, would show that their losses in uncondensed still vapors would be much higher than in the plants where the studies of the Bureau of Mines were conducted.

"The magnitude of the loss from noncondensation of these vapors has been realized only by few refineries, judging from the number of plants that have

recovery systems. The thirteen refineries studied by the Bureau of Mines are obtaining 128,651 gallons of gasoline daily from uncondensed still vapors. These plants are situated in various refining centres, other than the Pacific Coast, and are running crude representative of all the producing fields east of the Rocky Mountains. In addition, several are running Mexican crude, formation from California refineries indicates that on account of the smaller gasoline content of the California crude there are no recovery plants of importance in that state. The average recovery of gasoline at the refineries investigated by the Bureau of Mines amounted to four-tenths gallon per barrel of crude oil charged.

"Unless preventive measures are adopted, loss of gasoline from failure to condense still vapors will increase in the future, because crudes are being handled in the field with more and more care to avoid evaporation and will, therefore, contain much lighter and more volatile fractions than at present. Consideration of the vapors formed by heating crude oil is effected in the refinery by leading vapors through coils of pipe submerged in water. On cooling, a certain amount of vapor, due to insufficient time for proper condensing, is lost. The condensing point is lower than the temperature of the water, will remain uncondensed. Also, certain other fractions will not be condensed, for the reason that their boiling points are affected by the presence of other hydrocarbons. A small part of this uncondensed vapor is dissolved in the liquid that has condensed.

"Condensation of the vapors coming from the still into liquid is accomplished either by passing them through pipes or snells having large surfaces exposed to the air or through coils submerged in water. "Atmosphere temperature is an important factor in the production of vapors. It is found that during winter months, due to more complete condensation of the vapors, the production of the 'raw' plant will fall off to some extent. An unusual plant which produces about 6,000 gallons of compressor gasoline daily throughout the summer months, but drops to as low as 500 gallons per day in the winter. Ordinarily there is always a tendency for recovery to drop in cooler weather. "The cost of installing recovery plants will necessarily vary, depending on local conditions such as the distance between different stages of the sources of gas, the nature of gas, especially in regard to sulphur content, and the plant efficiency. However, a cost of approximately \$15 per gallon of gasoline (daily capacity) should be sufficient. The operating cost of the plant is relatively low."



MOTHER, WATCH BABY'S BOWELS GIVE "CALIFORNIA FIG SYRUP"

Harmless Laxative to Clean Little Bowels and Sweeten Sour, Colic Stomach—Babies Love It

Hurry Mother! A half-teaspoonful of genuine California Fig Syrup will make your cross, fretful baby comfortable. It cleanses the little bowels of all the wind and gases, the bile, souring food and stomach poison which is causing baby's distress. Millions of mothers depend upon this gentle laxative to keep baby's stomach and bowels clean, and thus correct diarrhoea, colic, biliousness, coated tongue, sour stomach, feverish breath, and constipation. It never cramps or overacts. Contains no narcotics or soothing drugs. Babies love the taste of genuine California Fig Syrup, which has full directions for infants in arms and children of all ages plainly printed on bottle. Say "California" to the druggist and accept no imitation fig syrup.

Doctors Stand Amazed at Power of Bon-Opto to Make Weak Eyes Strong—Says Dr. Lewis

A Simple Inexpensive Treatment You Can Use in Your Own House

Victims of eye strain and other eye troubles, and those who wear glasses, will be glad to know that according to Dr. Lewis their case may not be hopeless, and that there is real hope and relief at hand. Many whose eyes were failing say they have had their vision restored through this remarkable treatment. One delighted user says "I was almost blind—could not see to read at all. Now I can read everything without my glasses and my eyes do not hurt any more. At night they would pain dreadfully—now they feel fine all the time. It was like a miracle to me." Another who used this simple remedy says: "I was bothered with eye strain caused by overwork which induced fierce headaches. I have worn glasses for several years, both for distance and work, and without them could not read my own name or the typewriting on the machine. I can do both now, and have discarded my long distance glasses altogether. I cannot express my joy at what it has done for me." It is believed that thousands who wear glasses can now discard them in a reasonable time, and multitudes more will be spared the expense of getting them. If your eyes trouble you or your vision is dim or blurred or your eyes are inflamed go to your druggist today and get a bottle of Bon-Opto tablets. Dissolve one tablet in a fourth of a glass of water and use as directed. You should notice your eyes clear up perceptibly after the first application and the inflammation and redness quickly disappear. If your eyes bother you even a little it's your duty to take steps to save them now before it's too late. Many hopelessly blind might have saved their sight if they had only cared for their eyes in time. "Note: Another prominent physician to whom the above article was submitted said: "Yes, Bon-Opto is truly a wonderful eye remedy. Its constituent ingredients are well known to eminent eye specialists and widely prescribed by them. I have used it very successfully in my own practice on patients whose eyes were strained through overwork or mist glasses. I can highly recommend it in case of weak, watery, itching, smarting, itching, burning eyes, red lids, blurred vision, or for eyes inflamed from exposure to smoke, sun, dust or wind. It is one of the very few preparations I feel should be kept on hand for regular use in almost every family. Bon-Opto is not a secret remedy. It is an ethical preparation, the formula being printed on the package. The manufacturer guarantees to refund the money if it does not strengthen eyesight 50 per cent."



Lasting Comfort

THE one best way to ensure hosiery comfort is to be particular about generous length (to prevent strain on garters) and plenty of foot room.

You will find that we have provided for these comfort features in Mercury Hosiery.

And the foot comfort is lasting—for we use nothing but permanent dyes and tested materials.

Cashmere, silk, cotton, mercerized, lisle, silk and wool, fancy mixtures.



Mercury Mills, Limited Hamilton, Canada Makers of Mercury Hosiery and Underwear for Men, Women and Children.

HEADS THAT ACHE AND PAIN

It is hard to drag along with a head that aches and pains all the time. In many cases one of the most persistent headaches are due to poisoned blood, the blood being rendered impure through some derangement of the stomach, liver or bowels, but no matter which organ is to blame the cause must be removed before permanent relief can be obtained. BURDOCK BLOOD BITTERS, which has been on the market for the past forty-five years, removes the cause of the headache by starting the organs of elimination acting freely, and when the impurities are carried off from the system, purified blood circulates in the brain cells, and the aches and pains vanish. Miss Clara Murphy, Centre Dumfries, Ont., writes: "My system was gradually run down and my head set of order. I suffered a great deal from severe pains in my head which made me feel very miserable. After having tried several remedies I purchased a bottle of Burdock Blood Bitters, and was very glad to notice a decided improvement in my health. I took another bottle and it has done me an enormous amount of good. I have recommended it to some of my friends who were in a similar condition, and they all say it is a wonderful remedy."

B. B. B. is manufactured only by The F. McIlwain Co., Limited, Toronto, Ont.

PRIZE LIST AT NETHERWOOD

At the graduating exercises at Netherwood school at Robbsey yesterday the certificates were presented by His Lordship Bishop Richardson, while the old girls' prizes and other special prizes were presented by Miss Mary Armstrong, Miss Christian Edwards, Miss Catherine McAvity, Miss Stoddard and Dr. Thomas Walker.

Certificate Lists. The prizes and certificates were presented as follows: Certificates. III. Collegiate—Helen Allison, Kathleen Blanchet, Margaret Day, Ruth Fleming, Millie Hibbard, Catherine Lambord, Marjorie Lunan, Katherine Peters, Betty Thompson. II. Collegiate—Doris Armitage, Elizabeth Armstrong, Aldra DeLisle, Marjorie Harding, Dorothy Hinton, Ethel Lugsdin, Viola McAnn, Raphine Patterson, Margaret Tilley, Jean Williams. I. Collegiate—Marguerite Bligh, Helen Cannell, Ruth Harrison, Margaret Peters, Muriel Tapley, Constance Watson. I. B. Collegiate—Rachel Armstrong, Dorothy Bell, Helen Bell, Peggy Jones, Barbara Miles, Mary Waiters, Constance Teed. 4th A Preparatory—Audrey Allison, Helen Blanchet, Barbara Fairweather, Janet Macdonald, Orio Roschi, Frances Robinson. 4th B Preparatory—Patricia Fowler, Muriel Hibbard, Muriel Henderson. 3rd Preparatory—Anne Allison, Helen Fairweather, Margaret Fairweather.

Prize List. General proficiency—IV. Collegiate, Alice Tilley; III. Collegiate, Ruth Fleming; II. Collegiate, Daphne Peterson; I. Collegiate, Helen Cannell; IB Collegiate, Dorothy Bell; 4th Preparatory (A), Barbara Fairweather, presented by Mrs. Secord; 4th Preparatory (B), Muriel Hibbard; 3rd Preparatory, Margaret Fairweather; 2nd Preparatory, Winifred Scott. Sewing—Senior, Margaret Tilley, presented by the Old Girls' Association. Junior, Peggy Jones, presented by Mrs. Fowler. Nature Study—Audrey Allison, presented by "Old Girls." Best short story in the Junior school—1st, Dorothy Bell; 2nd, Alice Kane; presented by Christian Edwards. Best criticism of a novel in the Senior school—Isabel Wran; presented by Christian Edwards. General mathematics prize—Daphne

FEELING FINE

A few days ago though, I felt pretty miserable—kind of tired and drowsy. I must have been very much run down, until someone recommended Dr. Wilson's Herbine Bitters.

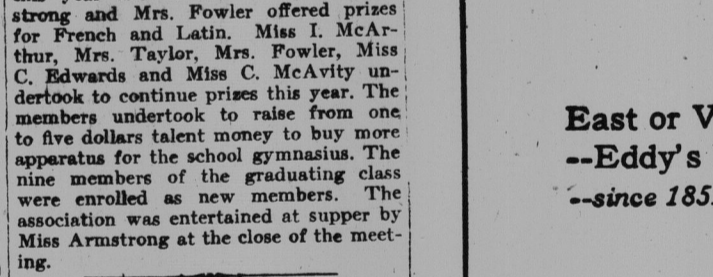
An old-fashioned, natural preparation made from Dandelion, Mandrake, Burdock and other purifying herbs, which tend to relieve Dyspepsia, Jaundice, Liver Complaints and Constipation. It purifies, enriches the Blood and builds up the whole system. Try a bottle and get back that peppy feeling you used to have. 50c. a bottle. Family size four times as large, \$1.00. Try a bottle.

THE BRAYLEY DRUG CO., LIMITED ST. JOHN, N. B.

WOMAN WITH BIG KNIFE ASTONISHES INGERSOLL

Ingersoll, Ont., June 17.—Some excitement was created in Thames street by the appearance of a local woman in the streets with a large butcher knife. She stopped one of the first children she met and gave the warning that she would run the knife into the heart of the first person who laughed at her during the day. Chief of Police Holmes later interfered, taking the knife from her and arranging for a medical examination. A few days ago, it is understood, she remarked that she intended to set fire to the town.

East or West —Eddy's Best —since 1851!



The LAST MATCH! — you're out of luck if it isn't an EDDY match

"The end of a perfect day, and the last of a perfect box. I've looked forward to this pipe for hours."

"You've never failed me yet, good old Eddy, and I know you won't fail me now."

"I may lose my head at times, but yours is stuck squarely on your shoulders. As straight and sturdy as the tall pine you came from, you're a credit to the country that gave you birth."

"Many's the dark trail you've lit up for me, and many's the evening's meal I owe to you, Old Timer."

"You're more than a match—you're a light—as honest as the men who made you—a friend in need."

When the first sulphur match was made in Canada— EDDY MADE IT. When the first non-poisonous match was made in Canada— EDDY MADE IT. When the first safety match was made in Canada— EDDY MADE IT.

EDDY-TORIAL 120,000,000 matches a day—equal to 5,143 miles of matches, end to end. Over 35 kinds of matches for every Canadian use. 35,000 feet of Canadian timber a day. 1,500 square miles of Canadian forest lands. Over 75 acres of Canadian plant equipment. Over 2,500 Canadian workers. \$2,500,000 a year to Canadian wage earners. Over \$3,000,000 a year in Excise Taxes—over \$60,000 a week.

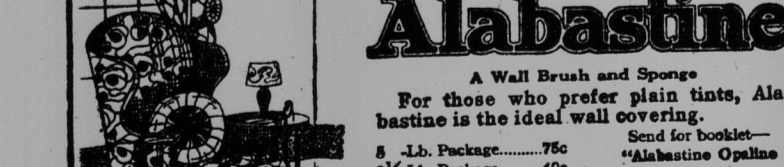
RINSO is a new, scientific soap product in the form of fine granules that have wonderful power to loosen and dissolve the dirt in clothes while they soak. Rinsol is new and absolutely different from ordinary washing powders. Do not put it straight into the tub from the package, make the famous Rinsol liquid first. MIX half a package of Rinsol in a little cool water, until it is like cream. Then add two quarts of boiling water; put it into your washing tub, or machine, adding sufficient cool or lukewarm water.

EDDY'S MATCHES THE E. EDDY CO. LIMITED Canada

AGENT: SCHOFIELD PAPER CO., LIMITED, ST. JOHN, N. B.

Decorate to Match the Fabric

Beautiful walls that not only harmonize with the colors, but actually resemble the texture of your furnishings, can be had by decorating with Opaline Effects. They are easily and quickly put on. All you need is



CHURCH'S ALABASTINE A Wall Wash and Sponge For those who prefer plain tints, Alabastine is the ideal wall covering. Send for booklet. 8-Lb. Package—75c. 25-Lb. Package—40c. The Alabastine Co., Paris, Ltd. Paris, Ont. Winnipeg, Man.

A COMPLETE OCEAN Service —the WHITE STAR DOMINION Way

A half-century of superior ocean travelling has brought White Star Dominion service to the highest standards. The service is unsurpassed in the Dominion, carrying fast, sound and ideal class passengers; in the new Pacific, and the Canada and Canada.

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