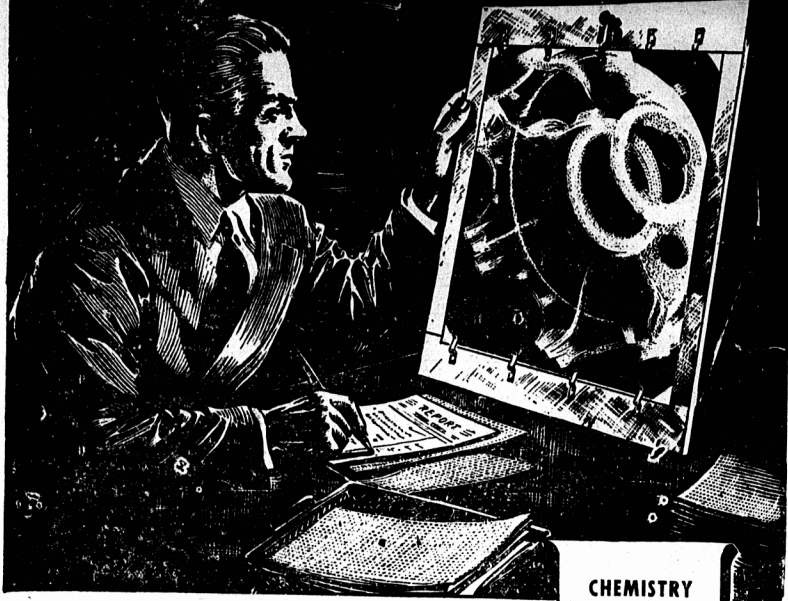


X-Ray of a Bomber's "INNARDS"



One of the many vital parts of a bomber which are subject to great stress in action, being checked by X-ray for possible flaws.

CHEMISTRY SERVES CANADA

In many plants producing aircraft, ships and other heavy war equipment the extraordinary powers of the X-ray are being employed for precise inspection of metal parts. The same X-ray which revolutionized medical practice is now serving on the production line.

Modern machines of war are largely constructed from metal parts that have been cast (shaped from molten metal) and welded together. These parts and their welded joints must be sound and strong. The X-ray makes possible the most careful examination of the internal structure of steel, aluminum and other widely used metals. The penetrating scrutiny of X-ray reveals any hidden flaws. With such advanced methods, faulty material can be detected and discarded early in production. X-ray inspection makes sure that

only sound, reliable weapons and machines are delivered to our fighting men.

Through its Plastics Division, C-I-L brings to Canada the benefit of great research in this important field—research carried on for many years by DuPont scientists. Fast, reliable DuPont Safety X-ray films for industrial, as well as medical and dental use, are available through leading X-ray film distributors from coast to coast.

X-ray films for industry—and, of course, for medicine—provide another example of a product of Industrial Chemistry which serves Canada in war and peace.



CANADIAN INDUSTRIES LIMITED

Stock Markets At A Glance

WINNIPEG, July 16.—(AP)—Rye futures developed strength late in the session Saturday on the Winnipeg Grain Exchange, largely on advances in the Chicago market. American interests were selling with support offered by locals and commission houses.

CHICAGO, July 16.—(AP)—Commodity houses dominated the wheat market Saturday, buying the September futures and selling the December and May contracts. After opening lower the rye market developed a firmer undertone when moderate buying disclosed offerings were limited. Oats were unsettled, the nearby deliveries establishing firmness and the distant contracts holding about steady.

NEW YORK, July 16.—(AP)—Stocks just about held their own in Saturday's brief market after a week of indeterminate shuffling which put many favorites in the new high division and lowered quotations for numerous leaders. From Monday it was a case of mixed tendencies and dwindling volume. The first session of the week was the liveliest, topping 1,800,000 shares, with a secondary peak on succeeding stretch with the result that Friday's turnover just exceeded the million-share figure.

PRODUCE

MONTREAL, July 16.—(CP)—Produce prices Saturday reported by the Dominion Department of Agriculture follow:

Eggs: Graded shipments on spot 37¢ A-Large; 4-Medium 36¢; Pullets 28-29; B 30-30 1/4.
Butter: Wholesale jobbing pasteurized No. 1 33 1/2¢; No. 2 pasteurized 33 1/2¢; current receipt 34 1/2¢; No. 1 32 1/2¢; No. 2 32 1/2¢; first-grade creamery prints job price 35-36¢; top grade solids, job price 36-36 1/2¢.
Cheese: Current white western and Que. 20 FOB wholesale trade and export 17 1/2-21.
Potatoes: 75 1/2¢; new crop No. 1 25¢; No. 1 white P.E.I. 1.60-1.75; N.B. 1.50-1.65; and Que. 1.35.

Kidneys Must Clean Out Acids

Excess acids, poisons and wastes in your blood are removed chiefly by your kidneys. Letting up nights, burning, nervousness, rheumatic pains, frequent headaches, and feeling worn out often are caused by kidney and bladder troubles. Usually in such cases the very first dose of Cyston goes right to work helping the kidneys clean out the acids and poisons. Cyston goes right to work helping the kidneys clean out the acids and poisons. Cyston goes right to work helping the kidneys clean out the acids and poisons.



Lt. Gen. Christopher Demsey, above, commands the British Second Army making the drive upon France. In Normandy, General Demsey commanded a brigade in France and Belgium before fall of Sicily. Later participated in Sicilian and Italian campaigns.

Will Ship Clothing To Liberated France

OTTAWA, July 14.—(CP)—War Services Minister LaFleche announced today that Canadian clothing and comforts will soon be shipped to liberated parts of France. He said arrangements have been completed to send to Normandy a limited number of packages containing clothing and comforts for children and women, through the Canadian Red Cross Society. He added that the packages had been collected in the Quebec area by Canada-France relations committee under the chairmanship of Hon. Thomas Vren, speaker of the senate.

The Experts Say

BY THE CANADIAN PRESS
IRISH TASTE: From Ireland, birthplace of potatoes, comes an age-old recipe for mashed potatoes with just the right touch of creaminess. Creamed potatoes. Peel, boil and mash the potatoes as usual, salt and pepper lightly, cream with butter and milk and then add two or three small onions, cut into tiny pieces. Beat the potatoes until they are creamy.

KITCHEN DUTY is the last job anyone wants when the mercury climbs, but even in the hottest weather good, nourishing meals must be prepared. To save time and effort eggs can be prepared in advance. For breakfast, cook two eggs in a pan with butter and salt. For lunch, cook two eggs in a pan with butter and salt. For dinner, cook two eggs in a pan with butter and salt.

SOYA BEANS: Many backyard gardeners put in a row of soya beans this year and now are wondering what to do with them. Laura Pepper, chief of the Agriculture Department Consumer Section, makes these suggestions:
Very young soya beans can be eaten pods and all, just as other young green beans. They should be washed thoroughly in warm water, then in cold, before the ends are cut off. Then they can be cooked whole or in one inch pieces and like other green beans should be cooked in only a small amount of salted water. Allow one cup of water and 1-2 teaspoon of salt to three cups of soya beans and cook covered 30 minutes.

When the beans have developed in the pods, but are still green, they should be shelled before using. Wash the pods, cover with hot water, and cook three minutes. Drain and shell, then rinse the beans in cold water. Cook the shelled beans in a closely covered saucepan, allowing one cup of water and 1-2 teaspoon of salt for each three cups of shelled beans. Cook 30 minutes. Then add a little

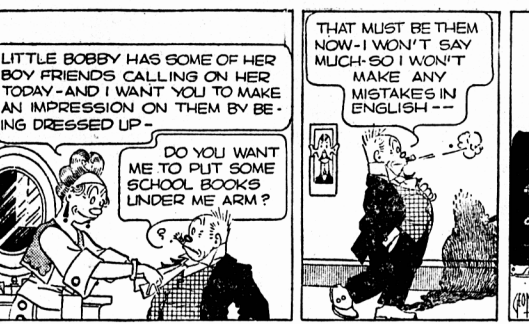
Out Our Way

By J. R. Williams



BRINGING UP FATHER

By George McManis



TIPPY AND "CAP" STUBBS

By Edwina



TILLIE THE TOILER—A BROADWAY HAWAIIAN!

By Webster



Coughlin Cartoons

WITH THE CANADIAN ARMY OVERSEAS, July 15 — Morale is high among Canadian troops in Italy, says a cartoonist, W. G. Coughlin, creator of the cartoon 'This Army' featured in The Maple Leaf, a Canadian Army daily newspaper overseas.

As a sergeant, 32-year-old Coughlin fought with a Canadian reconnaissance regiment in Sicily and the Sicilian and Italian campaigns before joining the staff of The Canadian Army in Ottawa. The cartoonist reproduces his own sketches of the men of Canadian forces he visits on his tours of the front lines.

Born in Ottawa, Coughlin attended public school in the capital, where his sketches on blackboards and school books impressed his school chums. After his father's death in an accident, he moved to Philadelphia with his mother, where he completed his matriculation and entered the Pennsylvania School of Industrial Art in preference to a university. Display advertising became his profession, while cartoons appearing in publications on this continent and abroad provided an interesting sideline.

He enlisted as a trooper in the 4th Princess Louise Dragoon Guards at Ottawa in 1941, and his sketches of army life amused his buddies from the beginning. Conveniently, he was in Italy when 'The Maple Leaf' went to press, and as its cartoonist he was an immediate success. His first pictures depicted an ack-ack gunner behind his weapon, which had evidently just been fired through the clouds of smoke and gunner points proudly to a harp which is falling from the sky, and informs a kaggle-eyed witness that 'with the ack-ack supercharge we set unlimited range.'

Like his ack-ack gun, Bing appears to have unlimited range. Yet, in spite of the amount of rain-fall, degree of slope, type of soil, and with general field management. Unless extreme care is taken in the method of farming, rolling land, tremendous losses will occur through the erosion of the fertile topsoil.

That the loss of this top-soil is serious is well demonstrated in an experiment conducted by the Field Husbandry Division at the Central Experimental Farm, Ottawa, says Dr. P. O. Ripley. The experiment conducted on a fertile loam soil with surface layer 7 inches deep gave a 6 year average yield of barley amounting to 49 bushels. When three inches of the top-soil was removed, the yield was only 27 bushels and with all of the surface soil removed, a meagre 12 bushels was obtained, a decrease of 75 per cent.

A great deal of preventable erosion takes place every year and represents an unnecessary reduction in the country's agricultural production. Slopes of over 10 to 15 per cent should be taken out of cultivation and replanted to soil protecting grass or trees. Lesser slopes should be farmed on the contour. Grass and legume crops should be included in the rotation. Gullies should be controlled by grading or installing stop dams. The soil should be kept open and porous by adding organic matter and increasing the fertility. In other words conserve the soil by following good farming methods.

Herriot Death Report Erroneous

NEW YORK, July 13.—(AP)—The Vichy radio today in a domestic broadcast recorded by U. S. Government monitors that an announcement of the death of former Premier Edouard Herriot as broadcast earlier was "erroneous."

"Herriot is in excellent health," said the broadcast. Both the Paris radio and DNB in a Berlin broadcast had reported Herriot's death.

Soil Erosion in Eastern Canada

(Experimental Farms News) Because of the quiet way soil erosion takes place, millions of acres of land in Eastern Canada are eroded to a greater or lesser degree each year and the destruction goes on almost unnoticed. Little information is available in Canada to illustrate to what extent soil does this.

Measurements taken under similar conditions elsewhere show that corn or other crops grown continuously on an 8 per cent slope and cultivated up and down the slope may lose as high as 60 tons of soil from the surface annually. The amount of soil lost under general conditions will vary with the amount of rainfall, degree of slope, type of soil, and with general field management. Unless extreme care is taken in the method of farming, rolling land, tremendous losses will occur through the erosion of the fertile topsoil.

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This War—Four Years Ago

JULY 17, 1940—R. A. F. raided and damaged Dortmund-Ems Canal locks in Holland. In Holland and Belgium and oil refineries at Great Britain bombed. 12 prisoners in raid on Fort Capuzzo in Libya.

Teachers Wanted

WANTED—EXPERIENCED 1ST or 2nd Class Teacher for Catholic School. J. Atiol MacDonaid. 7-14-31.

TEACHER WANTED FOR EDEQU School. Supplement \$230.00. Laura Affleck, Sec'y. 7-14-31.

WANTED A TEACHER FOR Bonshaw School. \$200.00 Supplement. Apply Mrs. K. Salmon, Secretary, Bonshaw. 7-14-31.

WANTED TEACHER, CALEDONIA School. Supplement \$180.00. Apply Mrs. Beaton Stewart, Secretary. 7-15-31.

TEACHER WANTED—BROOKLYN School. Supplement \$125.00. Simon A. Campbell, Secretary. 7-15-31.

WANTED—TEACHER FOR Cherry Hill School. Supplement \$125.00. H. G. Coffin, Secretary. 7-15-31.

WANTED—CHIEF NUTRITIONIST. Female—\$2700 plus bonus. Nutritionist—Grades 1, 2 and 3. Female—\$1500 and \$1200 respectively, plus bonus. Department of Pensions and National Health. Full particulars are on clip in Post Offices, and applications may be obtained at Post Offices, National Selective Service Offices, and District Offices of the Civil Service Commission. Applications must be filed with the Civil Service Commission, Ottawa Not Later Than July 22, 1944. This advertisement is authorized by the Director of National Selective Service. 7-17-11.

To Rent

TO RENT—FURNISHED ROOM for sign housekeeping. Apply Guardian. 7-14-31.

FOR SALE—ANTIQUE WALNUT Sofa. Henry MacCarriane & Co. 7-14-31.

FOR SALE—FORD COACH with four new tires. Apply Guardian. 7-14-31.

FOR SALE—ENGLISH PRAM, practically new. Phone 234-1. 7-15-21.

FOR SALE—MCCORMACK KINDER. George Abbott, Union Road. 7-15-21.

FOR SALE—6 FT. M-H. Combino, almost new. Apply Wm. O. Myers, Winaloe, or Mrs. Raymond Myers, Victoria. 7-15-21.

FOR SALE AT NORTH RIVER, house and barn. Apply Mrs. R. S. Bruce, No. 8 Ritz Apartments. 7-15-21.

Female Help Wanted

WANTED IMMEDIATELY EF-ficient maid for general house-work. Good wages. Write P.O. Box 284. 7-14-61.

WANTED—MAID. MRS. H. W. Petch, Spring Park Road, Phone 178. 7-15-21.

WANTED—CHIEF NUTRITIONIST. Female—\$2700 plus bonus. Nutritionist—Grades 1, 2 and 3. Female—\$1500 and \$1200 respectively, plus bonus. Department of Pensions and National Health. Full particulars are on clip in Post Offices, and applications may be obtained at Post Offices, National Selective Service Offices, and District Offices of the Civil Service Commission. Applications must be filed with the Civil Service Commission, Ottawa Not Later Than July 22, 1944. This advertisement is authorized by the Director of National Selective Service. 7-17-11.

FOR SALE—TRUCK WAGON with pole and shaft. Apply John A. Shureman, Kinkora. 7-17-11.

FOR SALE—DIVING-ROOM Suite, in real good condition. Phone 1770. 7-17-11.

FOR SALE—60 ACRES STANDING hay at Beach Grove Farm. Apply 37 Fitzroy Street, Phone 174. 7-17-11.

FOR SALE—40 WHITE Leghorn hens, laying good. Milk cow. Edgar Newson, Kingston. 7-17-11.

FRENCHMAN KIDNAPPED

LONDON, July 16.—(CP)—General Laval, commander of the French Legion of Volunteers against Bolshevism of the Lande Department, and his son were kidnaped today by "terrorists" as they left their home, according to Paris radio.