Bomb-Curtain Versus Wire Netting.

The advantages of such a bom

urtain over a steel-wire net of suf-

II. That whatever the size and speed

of the submarine or the character of

its net-cutting devices, contact with

the bomb curtain would mean certain

estruction, or at least disablement

In this matter of defeating the sub-

marine, time is the very essence of

the contract, and although a curtain

200 feet deep and 250 miles in length

is a colossal undertaking, it could be

built for a reasonable cost and with

on a basis of quantity-production, the

bombs could be produced complete

off by sympathetic shock when one

the Atlantic routs would be rid, once

A similar net at Gibraltar and at the

Adriatic), would effectively block the

submarine bases of Germany's allies.

Milady's Boudoir.

It is a mistake to suppose that the

air is annually shed as birds molt

heir plumage and some animals

change their coats. Human hair is

erennial, and if it's owner escapes

night. Brilliantines and modern pre-

parations for causing the hair to curl,

By keeping up a good health stand-

best asset toward lustrous tresses.

LINARIPS LINIMENT CURES DIPH-

rigor until late in life.



coming to hand, and nave a Clean Sweep y include shipments Factory in Building, getting it out. With cent, on buying same, tic as well as economiines offered:



GOLDEN and SURFACE OAK OFFERED AT SPECIAL PRICES CLEAR.



the cheapest to the expensive Wicker, tes. All to go in this

## treets.

ashed, steamed and stoned, with sweetened whipped crushed macaroons make

pilaf can be made with on boiled and mixed with two stewed tomatoes, and

salt and pepper. d cream sauces for vegeoften be dispensed with. oked and seasoned with tter, most vegetables are

in their own juices. cold fish can be used for red, seasoned with pepper juice, and served with nes and French dressing. coffee butter icing, stir six itter with fourteen ounces sugar until it is the conream: add by degrees to taste; spread between,

### LOWER CANADA COLLEGE

MONTREAL.

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4th Place R.M.C., Kingston 1st, 7th, 12th Places McGill. Entrance Royal Navy. Physical Training, Manual Training, Swimming, Rinks, Tennis Courts, Riding, Drawing, Music. Term comences Sept. 12, at 9 a.m.

## Closing the North Sea.

We have worked out in the accompanying drawings a system which is cause several of the bombs to swing not only comparatively cheap to con- into contact against its side. struct but (what is more important in this emergency) one which could be very rapidly put through. Considered as a feat of engineering and sea- continuous wall of high explosives manship, it would be perfectly feas- across the North Sea would mean the ible to build and maintain a homb-curabsolute defeat at a single stroke of weeks' time. The cost of the rods, tain to a depth of 200 feet throughout the whole German dream of winning the whole stretch of water between the war by submarine piracy, we may Scotland and Norway—a distance of he certain that desperation would about 250 miles.

act merely as a carrier for a vertical rier. Therefore, to make assurance minefield, it could be built of commercial one-half inch steel rod. The holes formed in the flanges for the twisting three or four turns of the bombs would be spaced 20 feet apart and staggered, it is certain that at least one and probably three or four submarine that attempted to drive

Just here, we may mention that the bembs would have a sufficient positive a part of the load of the net itself, be anchored by steel wire rope extending from each side of the net and secured to heavy mushroom anchors.

culty: it would simply necessitate the provisions of a greater length of

mooring cable.

Protecting the Barrier. lantic, would make desperate efforts to break through by sending a heavy force of ships to rush the net at high as to provide smooth runways, say food, munitions and troops without speed and carry it away. To prevent 100 feet wide by some 400 feet in fear of molestation. this, about a mile inside of the net length. there would be strung across the North Sea from coast to coast and parallel with the net, a continuous the mother ships would be covered by line of surface mines of the largest the flotillas of motor boats; the intersize, connected by cable and so ad- mediate zone, from twenty-five to justed that there would be two miles thirty miles in width would be coverof this cable to a mile of linear dis- ed by the destroyers, and the outer tance, the cable being anchored at con- zone, reaching one hundred miles or siderable intervals to keep it approxi- more into the North Sea, would be mately in place. This would allow under the watchful eye at all times sufficient slack in the cable to insure of the aeroplanes.

would carry the cable with it and

Patrolling the Barrier.

Inasmuch as the construction of Since the province of this net is to able form of attack against the bar-

doubly sure, it would be well to establish, a mile or so within the last-menmesh would be ten feet and the con-tioned string of floating mines, a thornection at the alternate intersections oughly organized system of patrol by would consist of a buoyant spherical aeroplane, destroyer and motor boat. bomb, containing 20 pounds of trini- The function of this patrol would be trototuol. The bombs would be built not only to detect, and as far as posin two hemispherical halves, with sible, prevent the approach of submarines to the net, but also to mainattachment of the lengths of wire rods. tain the net itself, making good im-The ends of the rods would be attach- mediately any damage or displacement ed to the bomb by merely threading which it might sustain as a result of anchorages, \$4,800,000, we arrive at a them through the flanged holes and the enemy's attack, or the stresses of total cost for materials of the whole wind and weather. The basic element rod snugly upon itself. Since the in this patrol would consist of half-adozen mother ships moored in line go sunk by the submarines in a sinfrom coast to coast at intervals of gle week of the present campaign. from forty to fifty miles. These would bombs would come in contact with a form the supply depots from which the surface craft and aircraft would oper- prevent the whole net from being set ate. The mother ships would consist nate with the bombs, connection would of old tramp steamers (a suggestion of of the bombs was detonated. We unbe the same steel anchored securely by the head heavy he produced with the produced of the bombs was detonated. We unanchors and cables at great length be- sudden shock from a nearby explosion ing used, so that the ships would rise and can be operated only by a blow or

easily in the heaviest weather. For push of comparatively low velocity, protection against torpedo attack, each such as would be applied if the firing ship would be surrounded by a double pin were struck by a submarine movfloatation buoys of medorate size 20 line of extra-heavy torpedo netting, ing at a rate of eight or ten knots. To maintained in place by unusually render the bombs safe for handling by heavy booms and guy ropes. At the the seamen as they build them into the stern of each ship, sections of the net net, the firing pin would be locked by would be arranged so that they could a cement which would be soluble in The fact that soundings off the Nor-The fact that soundings on the Norwegian coast show depths of from 800 and motor boats when they came bombs would become alive only after FALLS.—Rev. (Capt.) A. Clayton left wegian coast show depths of from sou alongside for repairs and the replentation to 1,000 feet, presents no serious diffiishment of fuel and supplies. In pre- teen minutes. paring these ships as starting and landing platforms for the aeroplanes, they would be swept clear of all up- aeroplanes, scouts, destroyers and patper works, smoke-stacks, masts, rig-Inevitably, the Germans, on finding ging, etc., and landing platforms ble wall of bombs, it is safe to say that themselves utterly cut off from the At- would be built throughout their entire length, the platforms extending out and for all, of the submarine pest, and twenty to thirty feet on each side so America would be free to send over

> The patrol would be in three zones -the inner one extending between



Newfoundland Weather

with its damp and heavy fogs imposes the most difficult test a kerosene could be asked to meet.

### SKIPPER KEROSENE OIL

Gives steady power under any weather conditions-because it is pure-every

Does away with carburetor trouble-because it is always the same. Clean burning. Non-carbonizing. Costs less by the mile and by the year.

Skipper Kerosene Oil is unequalled for

STANDARD OIL CO. of NEW YORK FRANKLIN'S AGENCIES, LIMITED.

#### **Summer School** for Teachers.

icient strength to stop a 2,000-ton The Superintendents of Education (Doctors Curtis, Burke and Blackall) struction and the speed with which the wire rods could be turned out at the miffs, it could be built in far less time.

to enter upon their work as teachers in September or who wish to improve their professional status;

(2) to furnish courses of lectures

and instruction in modern methods of teaching suitable for graded teachers;
(3) to give to teachers practical in-

struction in such subjects as nature study, physical culture, (4) to afford to teachers individual instruction in subjects in which they feel that they need assist-

Half-inch steel rods weigh about the teachers an opportunity of better two-thirds of a pound per foot, and fitting themselves generally for their

they could be delivered, cut to length at an English port for about \$150 per Dr. Barnes will be the Principal and Dr. Barn at an English port for about \$150 per ton. Such is the capacity of our mills that the whole amount of 18,000 tons from Canada, as well as by certain of

anchors and cables would be about \$4,hundred and fifty of the teachers will 800,000. The bomb containing 20 attend the school, and the Superin-pounds of trinitrotuol would be sufficiently powerful to cut a hole through the interior hull of a submarine or badly wreck its outer hull, ren- dent that much good will result from

dering it unmanageable. The bomb the institution. would be made in two halves, and with would be made in two halves, and with its flanges could be stamped out of three-sixteenth plate. Manufactured their names to be mentioned.

#### Reid's Boats.

with contact points and firing mechanism for about \$35 apiece, which The Argyle left Placentia at 6.30 would represent a total cost for the bombs of about \$45,000,000. Adding p.m. yesterday. The Dundee left Musgrave at 2.3 the cost of materials for the net and

p.m. yesterday. The Ethie at Humbermouth. The Home not reported since leav-

ing Lewisporte yesterday. The Thetis reached Battle Hr. this The Wren left Clarenville at 11.35 The firing mechanism of the bombs would have to be of special design, to

#### Here and There.

Stafford's Essence of Ginger Wine only 15c. bottle.—may1,tf

TRAIN MOVEMENTS. - Sunday's outgoing express reached Port aux Basques at 8.40 p.m. yesterday. The incoming mail and freight left Port aux Basques at 9.45 a.m. to-day.

Galvanized Ash or Garbage Pails, watertight, sanitary, durable. G. KNOWLING. CAPT. CLAYTON FOR GRAND

were protected by successive lines of FARMERS.-No one has a bette

chance of making money than Farmers if they force their crops with Nitrate of Soda bought from TESSIER & CO.-ily3,3i,eod BANKERS TURN UP-Deputy Min-

ister of Customs LeMessurier had the following message to-day: "Two men who strayed from the schoone Mary, Hodder, master, of Marystown, arrived at Bay Bulls this morning in Straits of Otranto (the mouth of the their dory from the Banks." These men strayed away from their vessel in a thick fog a few days ago.

Buy a bottle of Stafford's Phoratone Cough Cure for 25c. and receive a numbered ticket. See advertisement.—may1,tf

NOTED CLERGYMEN LEAVE.—
Revs. Moore and Hull, Canadian Methodist ministers who were here attending the Methodist Conference, left by to-day's express en route for home. Both the reverend gentlemen expressed their pleasure and hearty thanks for the kindness that has been shown them by the people of St.

WANTED - Good Needlehand for repairing; also Pants and Vest Maker. Apply to SPURRELL BROS., 365 Water

HOLIDAY TRAINS. - Those who desire to spend to-morrow in country can take passage by the fol-lowing trains: To-day—Trepassey train, 5 p.m.; Carbonear train, 6 p.m.; Trouters' train, 7 p.m. To-morrow—Carbonear train, 8.45 a.m.; Express llness and takes proper care of her train, 12.30 p.m. Return can be made crown of glory," it will retain it's by the usual trains to-morrow or

Winter is hard on the hair as it is on the complexion, and while the hair grows at the rate of five or six inches a year, this growth is mostly in the Grades, 7c. to 40c. Best Twisted Gut Lines, 50c. and 90c. S. E. GARLAND.—jly2,2i

largely a matter of physical health, yet cretain characteristics result from fastidious care. Unkempt, rough, lustreless, split hair is always the death knoll to its's attractiveness. The hair should be carefully brushed every night. Drillianting and a state by Const. Green shortly after last midnight. She is 13 years of age and usually runs out of doors late at night, and keeps company with under night and keeps company with unde-strable females who lives near her. She stated in court to-day that she should be avoided as much as possi-ble.

was not treated unkindly by her fa-ther, who was sent for by the judge to have an interview with a view to trying to keep the girl straight.

ard, the general splendor of the hair We still retain our reputation for Superior Fishing Tackle. We have everything you need and all at right prices. S. E. will be improved. Good blood is the GARLAND.—jly2,2i

#### 

AYRE & SONS, Ltd. We make special mention of our Wafer Sliced Ham and Bacon and CAMPING OUT SUPPLIES. other Cooked Meats.



rich syrups.

**DELICIOUS COOKED MEATS BULL'S EYE OF** 

QUALITY

We carry all kinds of Canned Fruit of the best All our Meats prepared for retail Chocolate and Milk, Congrades and the reputaare carefully pared and covered with densed Milk, St. Charles' specially made parchment, and are Cream are healthful tion of these goods is sliced by expert cutters, handled on body-building products; a marble top counter, wraped in waxunsurpassed. Bright ripe fruit with heavy ed paper and weighed sixteen ounces Drinks are cool and in-

The increasing denand for these goods is tion of their genuine popularity.



Our canned Cocoa and Milk. Coffee and Milk, vigorating.

ORDERS CAREFULLY DESPATCHED BY BOAT, RAIL OR CITY DELIVERY.

### The Quality of Our BLOUSES!

Our White Lawn Blouses are neat, natty, trim, and really very chic, while being of English make are perfect in fit; the extra special value of their texture giving the best of results, as regards their wearing and

## White Lawn Biouses.

Prices: 85c. to \$1.50 each.

We are also showing a very tempting assortment of WHITE EM-BROIDERED LAWN COLLARS at 25c. each, just now at

&S. RODGER'S

# American SAILORS,

Large Straight Rims.

In Nigger Brown, Green, Navy and Black,

\$2.00 each

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