PRINCE RUPERT

Trunk Pacific company propose estab-







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warmth and wear. ie? You can't realize ney are until you do. d repellers ever worn, can equal them for os the body warm and in the coldest weather. her Duck, Leather or ad lined with the best sheepskins with the Clarke's Coats have torm collars, large inprotecting, sheepskin unripable seams, big, ockets and, in fact, to make them warm, and serviceable coats. ts as a coat should fit, . Guaranteed by our sewn on every coat. have them.

Toronto, Can.

The Latest Triumph of the Ship Builder

"Lusitania," and the shape of the propeller blades is slightly modified. The dimensions of the "Mauretania" are as follows:

T and the second	785 feet
Length over all	100 1661
Length between perpendiculars	760 feet
Beam extreme	89 teet
Depth molded	60 ft 6 in
Liposs tennage	33 200 tone
Net tonnage	11 900 tone
Maximum draft	37 feet
Displacement at this draft	45,000 tons

These dimensions render these vessels by far the largest ever built or projected. They are 78 feet 6 inches longer than the swiftest of the big liners, the "Kaiser Wilhelm II., and they are to show a speed 12 knots greater. They are 80 feet longer even than the "Great Fastern," and of 5 feet greater beam.

The "Mauretania," has nine decks—the lower orlop, the orlop, Hecla was determined upon as the point the lower, the main, the upper, the shelter, the promenade, the boat, the lower, the main, the upper, the shelter, the promenade, the boat, and the sun deck. The motive power, including engines, boilers, and coal bunkers, occupies 420 feet of the mid-length of the vessel from the main deck to the hold, and therefore it can be readily understood that there is practically no space for cargo, the vessel being purely a mail and passenger ship. The passenger accommodation is provided on the six decks above the water line, from the main deck upward. The shelter deck is given up to the officers and cousin of departure from the land. Open leads to departure from the land. Open leads the ground the progress and cousin of departure from the land. Open leads the ground the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first plant and first the dashing cavaller and cousin of departure from the land. Open leads the ground first plant and first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller and cousin of departure from the land. Open leads the ground first the dashing cavaller from the land. Open leads the ground first the dashing cavaller from the land. Open leads the ground first the dashing cavaller from the land. Open leads the ground first plant from the land first the dashing cavaller fro dation is provided on the six decks above the water line, from the main deck upward. The shelter deck is given up to the officers were more frequent and wider. "At latitude 84.36' he says, I came up with round its spacious harbor in the company's swift little lunch, and a careand crew, the latter being forward and aft. On this deck also are specially isolated hospitals. A feature which will be greaty appressen. After a delay of six days we with the enthusiasm and optimism ciat h by invalids and those who may be temporarily indisposed, is the provision of two electric research by invalids and those who may be temporarily indisposed, crossed on young ice which bent be which the head officials of the road are is the provision of two electric passenger elevators, at the center of the ship, with landings at each of the six passenger decks, an importation first proposed by the Scientific American for these vestions are provided by the Scientific American for these vestions are provided by the scientific American for the scientific American mnovation first proposed by the Scientific American for these vessels. The ship will carry 560 first-class, 500 second-class, and 1,200 third-class passengers, and a crew of 810, making a total number of souls on board of 3,070. In general the staterooms will be 9 feet in clear height and in the saloons the height will be about 10 feet 6 inches. Another novelty in the "Mauretania" is that the promenade and boat decks overhang the shelter deck by 21 inches of each side of the ship, this being done to bring up the width of the promenades on each side of these decks to 18 feet. The boat deck is 33 feet above load water line. The top of the wheel house; is 63 feet, and the funnels are 115 feet above the same level.

The hull is divided by fifteen transverse bulkheads and the coal

The hull is divided by fifteen transverse bulkheads and the coal bunkers are themselves water-tight and divided by bulkheads. The subdivision is such that these ships could not be sunk by a single collision. Every door of the compartments can be closed, in the event of collision, by the Stone-Lloyd hydraulic system; and this can be done by the officer on the bridge, or from any one of several positions throughout the ship.

The flat keel is built up of plating varying in thickness from 1 inch to 14 inch. In all plating the holes were electrically drilled,

1 inch to 11 inch. In all plating the holes were electrically drilled, and the riveting was done by hydraulic power. The ship has a complete double bottom throughout her length, the depth between the onter and inner bottom being 5 feet. The bilge is well rounded proved, the fices became larger and The site is a picture que one. The

and the entrance lines are exceedingly fine.

It is needless to say that the framing of the ship is exceptionally deep and stiff. Amidships it consists of channel bars, with deep web frames at intervals. These heavy frames are grouped south Prely of April 21, reached \$1.00 miles in extent sweeps around the where the stresses will be greatest, notably in the wake of the ma- usuces chinery spaces. The channel bars extend from the double bottom (which, by the way, is carried well up into the bilge) to the shelter deck which is 60 feet 6 inches above the keel. The plating of the hull is unusually heavy, each plate weighing from 21 to 3 tons. At the turn of the bilge and on the sheer strakes they are made much heavier and weigh from 4 to 5 tons apiece. Here, also, the plating is doubled, and steel of higher tensile quality is used, the object being to give the sides of the ship additional girder strength by increasing the weight of the material along the top and

The weights and sizes of the various parts are necessarily very large, the stern frame and brackets, for instance, weighing altogether 150 tons. The rudder head is of steel, 25 inches in diameter. There is one gudgeon only on the stern framing, and the pintle is of immense size, weighing over 11 tons.

Perhaps the greatest interest attaching to the "Mauretania" centers in her turbines, which are being constructed by the Wallsend Slipway and Engineering Company. The motive power, it will be remembered is developed on four shafts, each carrying one

IN THE FAR NORTH

Of the Ship Builder

Scientific American.—The "Mauretania," the second of the new 25-knot turbine liners, which are being built for the Cunard Scientific American, and the part of the cunard Scientific American, and the part of the Cunard Scientific American, and the second of the new 25-knot turbine liners, which are being built for the Cunard Scientific American, and the second of the new 25-knot turbine liners, which are being built for the Cunard Scientific Company with the British government binds them to build two liners, to average 24.34 knots, which men advances a sum of \$31,000,000 for the construction of the scientific Company that the call of the Admiralty in case of war. In return the grade of the cunard Scientific Company and the scientific Company that the call of the Admiralty in case of war. In return the grade of the contract are that the vessels shall make 254 knots on trial, but the scientific Company the same general form as in the scientific Company that the contract are that the vessels shall make 254 knots on trial into retail in the experiments at the government take at Haslar; but these experiments at the government take at Haslar; but these experiments at the government take at Haslar; but these experiments at the government take at Haslar; but these experiments were simplemented by the limit of the same general form as it hig sets and the experiments were supplemented by the limit of the same general form as it high getsemspling; and with this, elaborate tests were made on variations in 4the form of the same general form as it high getsemspling; and with this, elaborate tests were made on variations in 4the form of the same general form as it high getsemspling; and with this elaborate tests were made on variations in 4the form of the same general form as it high getsemspling; and with this, elaborate tests were made on variations in 4the form of the same general form as it high getsemspling; and with this elaborate tests were simple to the contract of the same proposition of the same upon the country until the spring seed-ing season. The dogs and the Esquim-aux lived in snow house, with Mar-vin and Henson in the Lake Hazen Basin and along the slopes of the shore. They lived on musk-ox, reindeer, hare

salmon and trout" The Sleige Trip. On February 21 of this year he starton a sledge trip in the direction of taken throughout the country, in the see Pole, several parties having precity of Prince Rupert,—the Pacific terthe Pole, several parties having precedel him by a couple of days. Three minus of the G.T.P., the following exmarches brought him to Cape Hecla, where the entire party assembled. The encampment consisted of Bartlett, Wolf, Marvin, Henson, Clarke, Ryan, throughout North American party and the control of the G.TiP., the will prove of interest;—

A great deal of curi Peary, 21 Esquimaux and 120 dogs. The

scuth. Picify of April 21, 12000.

usgiess 'I thank God," he cays, charming one. On the opposite shore we hat bee's able to accomplish, though a mountains slope down to the water. It was but an empty baudie compared with the splendid jewel for which I was straining my life. But looking at my life will be a studied by such homesteader the requirements as to residence may be satisfied by such person residing with the father or mother.

(3) If the settler has his permanent residence upon farming land owned by homestead. lead between us and the nearest land, can. Hole he taught his copper-collitelt that i had cut the margin as ored disciples to embrace the ares and narrow as could reasonably be expected.

My flags were put out from the summit of the nearest pinnacle near us, and thoment. Later trouble arose between the settler must give six months' notice a hundred fest or so beyond this, that Duncan and his bishop, and the in-a bottle containing a brief record and dians migrated to a settlement on the

our last igloo (lodge), making no camp here.

The Return Journey.

Site Prince Rupert rises Mount Hays, named after the president of the line.

It is over three thousand feel high, traced their steps the wind blew squarely in their faces. It was accompanied
by a fine drift of snow, which cut like
neelles. Whenever the trail was lost
thur city. Before an acre of land is
Quartz.—A free miner's certificate is

send Slipway and Engineering Company. The motive power, it will be remembered in developed on four shafts, each carrying one propeller. The two outer shafts are driven by two high-pressure turbines and the two immer shafts are driven by two high-pressure turbines and the two immer shafts are driven by two high-pressure turbines and the two immer shafts are driven by two low-pressure turbines. At the after ends of the low-pressure turbines, and on the same shafts, turn outward and the outer shafts instead to contract power is 65,000 divided equally upon the four shafts. The speed of revolution is to be about 200.

HALF CONTINENT OF WHEAT LANDS.

Citawa Dee 18.—Prof. John Maccoun, before the agricultural committee, stated that is account that Prof. Maccoun made a statement as to wheat growing, contract the prof. Shafts with the section of the presciption of the shafts with the section of the content of the shaft will be continued that the presciption of the shafts will be shaft that the section of the shafts will be shafted that it is a shaft will be continued to the sha

a rich harvest lies waiting garner from the waters of the sea. The richest

A great deat of curiosity exists throughout North America with regard to the new city which the Grand lishing at their western terminus, and which is aiready taking embryo Synopsis of Ganadian Northform amid the woods which cover with the dense growth the site of the future entrepot on Kajen Island. It has aircady been named Prince Rupert ar-ter the dashing cavaller and cousin of

HOMESTEAD REGULATIONS reserved, may be homesteaded by any persøn, the sole head of a lamily, or male over 18 years of age to the extent of one quarter section, of 160 acres,

more or less.

Application for homestead entry or inspection must be made in person by the applicant at the office of the local Agent or Sub-Agent. An application for entry or inspecion male personally at any Sub-Agent's office may be wired to the local agent

by the sub-Agent, at the expense of the applicant, and if the land applied such application is to have priority and the land will be held until the neces-

declaration of abandonment. Where an entry is summarily cancelled, or voluntarily abandoned, sub-sequent to institution of cancellation proceedings, the applicant for inspection will be entitled to prior right; of en-Applicants for inspection must' state what particulars the homesteader is

in default, and if subsequently the statement is round to be incorrect in material particulars, the applicant wil lose any prior right of re-entry, should the land become vacant, or if entry has been granted it may be summarily can-Duties-A settler is required to per

following p.ans:—

(1) At least six months' residence upon and cultivation of the land in each year during the term of three years.
(2) If the tather (or mother, if the him in the vicinity of his homestead, the requirements may be satisfied by

min.on Lanus at Ottawa, of his inter a piece of the flag I carried around the northern end of Greenland six years before. Then we started to return to by the remnant of the tribe. Oppo-

Coal.—Coal lands may be purchased at \$10 per acre for soft coal, and \$.0 The Return Journey.

It is over three thousand feel high, for anthracite. Not more than at the little party of explorers reand is sharply outlined against the acres can be acquired by one individual or company. Royalty at the rate of ter

up the great coal deposits of the Tel-qua, on the main line of the railway. But immediately in front of the city

A writer in World's Work for Novtendency of the best labor to go from

of surveying the actual line of the railway from Prince Rupert eastward has begun. Several preliminary sur-He praises his companions on the perlous trip, while the good ship that carried him receives his enthus.astic comveys were made during the summer, but the line is now being definitely located. This will be followed, it is expected, in the early spring by construction of the great transcontinen-tal line of which Prince Rupert is to In view of the interest at present tract taken from the Toronto Globa

married laborer is desirable, but in loss of securing farm laborers by their

under the guidance of another and with assured pay, rather than strike out for thomselves and assume all the risks attached thereto. If these men were provided with houses there would be more of them available for working stantly hears the complaint that throwing the smaller farms or crofts

-A runaway on Whyte avenue last light attracted some attention. The damage was done. The animal had

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