and independence were to be found on the bars of the Forty Mile, the Stewart, and at Circle

With the increase of population came the representatives of the American and Canadian governments, custom-houses were established and court decisions took the place of the rude justice dispensed by miners' meetings. With the new order of things came also the necessity of a determined line between the two countries.

The United States ciaimed, under the old Russian treaty, a line running up Portland canal to the 56th parallel of north latitude, thence to follow the summit of the coast range to its intersection with the 141st meridian. In the absence of a definite mountain range near the coast, the line was to be not more than ten marine leagues distant from tide water.

Canada claimed that the line should follow the coast range paralleling the general contour of the coast, and cutting across all inlets and flords.

There were other contentions of minor importance, but the real trouble was that Canada thought she was entitled to a seaport which would allow of shipments through Canadian territory to the now valuable Klondike.

As to the 141st meridian being the rest of the boundary, there was no dispute. This line starts at a ridge of Mount Saint Elias and runs through to Demarcation Point on the Arctic ocean.

Maps showing a strip of land along the coast were made, archives were rummaged, every available bits of history and tradition were searched, and the whole mass submitted as evidence to a ltribunal of three Americans, two Canadians, and one Englishman, which met in London in 1903. The sifting of the evidence required three months. The opposing counsel helped by the geographic experts put forth their best arguments, a vote was taken, and the result showed four to two for the United States, the lord chief justice of England, Lord Alverstone, casting his vote with the Americans.

Naturally the Canadian representatives felt greatly disappointed, but the evidence was too conclusive to allow of any other outcome.

Then came the question of what mountains constituted the coast range. In places a compromise was effected departing slightly from the claims of the United States.

It was decided that certain well-defined peaks on the mountains fringing the coast should constitute the main points on the boundary. Lord Alverstone, wielding a blue pencil, marked on the maps what appeared to the tribunal to be the proper mountains. The members of the tribunal were all eminent jurists, but this did not make them proficient in the intricacies of contour maps, and the advice of the experts was constantly requested.

The location of the boundary was left to two commisisoners, Mr. O. H. Tittmann, superintendent of the coast and geodetic survey, for the United States, and Dr. W. F. King, chief Dominion astronomer, for Canada.

Wherever the blue-pencil mark appears on the map, this point without any recourse is a boundary point, even though a higher and better point may be but a short distance away.

To follow the sinuosities of the mountain ranges in this country would be hopeless, so the commissioners will probably decide that a straight line connecting the various blue-penciled points shall constitute the boundary.

Canadian parties, and with each locating party, or party which decides on the line, go representatives of the other government. There are line-cutting parties, leveling parties topographic parties, triangulation parties, and monumenting parties, which work separately, their work being such that joint representation is not always necessary, as the line

vision of labor in ev-

ery party. There are

American parties and

WIND

will be subject to inspection at some later date. These parties report yearly to the commissioner of their respective governments. The commissioners meet sometimes in Washington and sometimes in Ottawa, and either accept or reject the work done by

TAKING ADVANTAGE OF A FAIR

the field parties. Their decision is final. The magnitude of the task is little understood except by those closely connected with the work.

There are 600 miles of boundary from Portland canal up the coast to Mount St. Elias, where it books around on to the 141st meridian and shoots for another 600 miles straight north to the Arctic

All the land lying along the boundary must be mapped on an accurate scale, and a strip of topography four miles wide must be run the entire length of the 141st meridian; peaks which cannot be climbed, or rather those which would take too long and would be too expensive to scale, must be determined geodetically; vistas 20 feet in width must be cut through the timbered valleys, and monuments must be set up on the routes of travel and wherever a possible need for

The field season is short, lasting only from June to the latter part of September, and along the coast operations are constantly hindered by rain, snow, and fog. Rivers abounding in rapids and quicksands have to be crossed or ascended. A man who has never had the loop of a tracking line around his shoulders little knows the dead monotony of lining a boat up a swift Alaskan river with nothing to think of but the dull ache in his tired muscles and the sharp digging of the rope into his chafed shoulders.

Vast glaciers are to be crossed, with their danger of hidden crevasses. More than one surveyor has had the snow sink suddenly beneath his feet, and has been saved only by the rope tying him to his comrades. Several have been saved by throwing their alpine stocks crosswise of the gap, and one, while crossing the Yakutat glacier with a pack on his back, caught only on his extended arms. High mountains must be climbed; if they are not the boundary peaks themselves, they must be high enough to see the boundary peaks over the intervening summits.

ing prolonged in its straight shoot across the peninsula. This line has been accepted as the 141st meridian and consequently the boundary. It has been run into the mountains fringing the Pacific coast. Topography, triangulation, line-cutting, and monumenting are now being carried along the located

ALGER (LIVE) GLACIER ON THE ALSEK RIVER

worked together, bringing time over

the wires both from Seattle and

Vancouver. An azimuth was then

observed and this azimuth is be-

For the present the line will not run to Mount St. Elias. It would be possible, but not practical, to run it across the intervening 80 miles of snow and ice and towering mountain ranges. To complete this part of the boundary the use of an airship is contemplated.

In the interior the difficulties of the work are changed. Long wooded stretches, interrupted by barren ridges, take the place of glaciers and craggy mountains. In place of snow fields there are heart-breaking "nigger-head" swamps to be crossed, where the pack-horse becomes mired and exhausted and the temper of man is tried to the breaking point. Supplies have to be ferried across the rivers on log rafts, while the horses swim.

There is no longer the guiding line of the coast to follow, and the surveyor must rely on his instinct for topography and on woodcraft to pilot him through an unbroken wilderness.

The inconveniences of transportation have to be overcome, and year by year they are becoming worse as the work carries us each year farther from the Yukon with its steamers. For the season of 1909 the American party of 30 men will have to walk 300 miles before they can even start work.

Then the topographer with his theodolite tries to make up for lost time. Regular hours for work are ignored. A day's work is reckoned as ten hours, if the work can be done in that time; if not -well, in midsummer the days are 24 hours long. Holidays and Sundays see the same old routineeven the Fourth of July.

Usually bases of supply are established at certain known points before the opening of the season. These are called "caches." Mistakes in the locating of a cache are sometimes made, and last season one surveyor in consequence of such a mistake was without food for two days, finally reaching another camp in rather disheveled condition. It so happened that this other party was moving And these climbs are not the organized expedi- south toward the same cache and was on short ra-The actual demarcation of the boundary, to be tions of an Alpine club, with but one mountain to tions; so nothing remained to do but beat a hursatisfactory to both governments, must be done conquer but daily routine. Heavy theodolites and ried retreat 60 miles northward, arriving at anjointly. By this it is not meant that there is a di- topographic cameras must be carried, and instead other base with belts pulled in to the last notch.

> Not Finished. "Americans are so unfinished," has ling the world with their achievements

Uneasy Lies the Head, Etc. "When you feels a hankerin' foh

Chat on Interesting Topics of Many Kinds, by

a Recognized Authority

"Maud Muller" Party.

During these golden October days, outdoor and indoor parties combined er, and always remembered who hated are quite the thing. A hostess noted "bridge," who didn't like golf and who for her originality invited her friends loathed to dress for a formal dinner to a "Maud Muller" party. The invi- party. On the quiet, I think she keeps tations said: "Informal; please come a book with the peculiarities of each in country costumes." As she lived in one of her friends carefully jotted a suburb, time tables were inclosed down, just when she entertained them. with the train marked that she wished and just what she served on each octhem to take. The hour was five, and casion, At least that is the way one a merry throng took the four o'clock of the best entertainers I ever knew train. An immense hay wogan was at does, and it is worth considering. the station, with the splendid big horses gayly decorated and driven by the regular farm men instead of the liveried coach and footman. There children from eight to ten years of were horns for the men, and the age, the souvenirs were made by the Harrisburg, Pa., who gets as far as hostess awaited them on the steps of guests from corn husks which they the registration room, is expected to the port cochere. Big straw hats transformed into dolls. A face was were given to the men with red rib-bons and the girls had blue ones. penciled on the green stub of corn. the husks made the dress and the silk long ago, when a crowd of excursion-Rakes with gilt handles were given carefully braided made the hair; bon- ists visited the grounds and buildings, the girls, who were thus attired as nets were also made from the husks "Maud Mullers," and went forth to These dolls were really charming. rake the hay on this charming sum- and the prize awarded for the best mer day which had gotten by mistake was a delightful little booklet in which into the fall calendar.

in ten minutes was awarded a prize; cian. This idea is just as applicable also, there was a prize for the neat- for a "grown-ups" party as for chilest stack. The men superintended dren, for I never saw a woman yet, this, and then a plow was brought for whether she admitted it or not, who the men to try their skill, with prizes didn't like a chance to play dolls. for the straightest row, and for the one made in the quickest time. By this time twilight was falling and guests watched the chickens fed and some unusual way of announcing her his distinction, that he is the first the cows milked. Then all adjourned engagement, so after much careful Jerman chancellor to wear a beard. to the dining room, where a suptuous thought this was evolved: The 20 spe Bismarck hastened to shave his off supper was served; everything except cial friends were asked for a thimble when he entered upon diplomacy, and the meats being a product of the party, and there was nothing doing showed his rivals and enemies a place. The decorations were most until refreshments were served. Then massive jaw and clear-cut chin; and anique, being likewise home produc- each guest found a little envelope on he shaved to the end, with an intertions. Gourds, small squashes and the plate and the hostess explained val enforced by neuralgia in the early pumpkins were converted into most that inside there would be found a 80s. As a soldier, too Caprivi shaved, attractive flower holders, and the flow- jumbled lot of letters, that the letters all but his mustache, and so did ers were wild purple asters and gold- of each color would spell one word, Hohenlohe and Bulow. But Bethen rod, the combination being a most and there was just one word in each mann-Hollweg is gaunt, rugged, hirwhat she could and sometimes did en- to know "all about it." tertain formally and had plenty of money to spend; yet her favorite way was to do things on the spur of the of the new neckwear. moment, and she always made use of the things that were in season.

She also had the art of always as sembling just the right people togeth-

Souvenirs for a Party. At an autumnal party given for corn husk doily was the heroine; it The girl who made the largest stack was written by a clever woman musi-

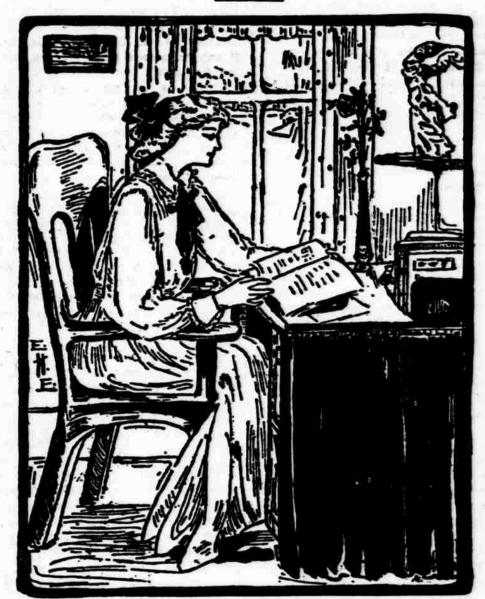
Announcing an Engagement.

"Polly" declared she must have

MADAME MERRI. Colored embroidery enters into much

Wraps are growing more decorative.

Easily Made Table



Home-Made Study Table, Consisting of a Board and Two Orange Boxes.

HE STUDY TABLE in the sketch is possible, even in homes where econ omy must be observed, for the cost is a mere trofle—two five-cent orange or lemon boxes, obtained from the grocer, a can of wood filler and mission stain and a paint brush being all that is required. The large flat board that serves as a table top may be purchased from a carpenter for sia and can't eat the simplest ordinary very little-or often a wooden board may be found, scrubbed and painted and pressed into excellent service. The top of the board must be perfectly

First a coat of wood filler is put on the boxes and board. When dry, a second coat is applied if the wood seems at all rough. Then apply the mission stain or any other wood stain desired. Place the boxes the width of the board apart, with the front edge of the boxes against the front edge of the board, and nail the board on the boxes in each corner, being careful that the points of the nails are not long enough to project through the under side of taking medicine continually, and as the top of the boxes.

Little silk or print curtains may be hung around the ends and across the open front of the boxes if one wishes and they give a dainty touch.

Batiste Jackets Dainty. The terrifying popularity of the lace

awful results which have been culation and improper diet. schieved in midsummer costumes by the use of it is enough to prejudice take something to cool the blood. "We all thought it was pretty good the most unbiased against the gar-

bright purple or green, with a large of Sprudel salts in a glass of hot wa- Nuts. black hat heavily fringed with 98-cent ter half an hour before breakfast "It was the same next day and I plumes," they make a picture which each morning. must cause the gods to weep.

The lovely little batiste jackets, however, worn with wonderful gowns of lowered by putting the feet in hot wa- ular thing. So I began to buy it by the same fairy-like fabrics, are quite ter to draw the blood from the head. the dozen pkgs. another story. It would be hard to resist the appeal of one of these cut in a short-waisted fashion and generously embroidered and insertioned with baby Irish. This is slashed in deep points at the bottom which are outlined with the lace. Another one is formed of bands of shell pink batiste, tucked horizontally and having ers. insertions of baby Irish and Valen-

copious grease and powder. Sometimes this condition is due to

Try a cooling diet for a time and next morning.

Cleaning Plumes.

A woman who has success in cleaning ostrich and other feathers puts a cupful of Indian meal, half a cupful of flour and three level tablespoonfuls of borax into a paper bag, and with it one large or two or three small feath-

These she shakes about until the soil has disappeared from the feathers, and then she shakes them free from the mixture. Fine knitted wool artiFREED AT LAST

rom the Awful Tortures of Kidney

Mrs. Rachel Ivie, Henrietta, Texas, ays: "I would be ungrateful if I did not tell what Doan's Kidney Pills have done for me. Fifteen years kidney trouble clung to me, my existence was one of misery and for two

whole years I was unable to go out of the louse. My back ached all the time and was utterly weak, unable at times to walk without assistance. The kidney secretions were very irregular. Doan's Kidney Pills restored me to good sealth, and I am able to do as much work as the average woman, though

searly eighty years old." Remember the name-Doan's. Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

Definite Location.

Every visitor at the new capitol at write his name in a big book, together

a stout girl started to register. She paused, pen poised in air, and called out to an elderly lady, comfortably seated in a big chair, "Mon, vere vas I borned at?"

"Vat you vant to know dat for?" "Dis man vants to put it in der big

"Ach." answered the mother, "you know vell enough-in der old stone

True Representative of Race.

Dr. Bethmann-Hollweg may claim

How's This?

Poverty and Consumption. That poverty is a friend to consumption is demonstrated by some recent German statistics, which show that of 10,000 well-to-do persons 40 annually die of consumption; of the same number only moderately well-to-do, 66; of the same number of really poor, 77; and of paupers, 97. According to John Burns, the famous English labor leader, 90 per cent. of the consumptives in London receive charitable relief in their bomes.

A Steady Thing. Something had gone amiss with Bobbie and he had sought the comfort of tears. Noticing his wet cheeks, his mother said in a consolatory tone:

"Come here, dear, and let me wipe your eves." "Tain't no use, muvver," returned Bobbie with a little choke; "I's doin'

to cry again in a minute!"-Woman's Home Companion.

The American Cat-Tail. The cat-tail of the American swamps is almost exactly the same plant as the Egyptian bulrush. It is no longer used for making paper, as it once was, but from its root is prepared an astringent medicine, while its stems, when prepared dry, are excellent for the manufacture of mats,

Against Pretenses.

chair-bottoms and the like.

Away with all those vain pretenses of making ourselves happy within our selves, of feasting on our own thoughts, of being satisfied with the consciousness of well-doing, and of despising all assistance and all supplies from external objects. This is the voice of pride, not of nature.-Hume.

FOOD QUESTION Settled with Perfect Satisfaction by a Dyspeptic.

It's not an easy matter to satisfy all the members of the family at meal time as every housewife knows. And when the husband has dyspepfood without causing trouble, the food question becomes doubly annoying.

An Illinois woman writes: "My husband's health was poor, he had no appetite for anything I could get for him, it seemed.

"He was hardly able to work, was soon as he would feel better would go to work again only to give up in a few weeks. He suffered severely with stomach trouble.

"Tired of everything I had been able to get for him to eat, one day seeing coat has very nearly killed it, as the bad blood, but more often to poor cir- an advertisement about Grape-Nuts, I got some and tried it for breakfast the

Your doctor will advise the best way although we had no idea of using it this can be done. If you do not wish regularly. But when my husband came Worn over an ankle-length frock of to consult him take a half teaspoonful home at night he asked for Grape-

> had to get it right along, because when When the blotches get very annoy we would get to the table the question, ing the color of the face can often be 'Have you any Grape-Nuts' was a reg-

"My husband's health began to improve right along. I sometimes felt offended when I'd make something I thought he would like for a change, and still hear the same old question, 'Have you any Grape-Nuts?'

"He got so well that for the last two years he has hardly lost a day from his work, and we are still using Grape-Nuts." Read the book, "The Road to Wellville," in pkgs. "There's a reason."

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human

Social Museum in Barcelona

A Spanish Museo Social will be The committee in charge will reserve opened in Barcelona in November, space for each nation, grouping its en-1909, supported by the provincial as- tire exhibit. The opening exhibit will sembly and the municipality. The ob- comprise the following sections: Eduject of the Museo Social is to gather cation, living conditions, working conin a single exposition data of all sorts, ditions, social contracts and conflicts, instruments, apparatus, models, action of public authorities, philancharts, statistics, etc., referring to thropic and moral action. The com- due to doctors for treatment were ex- great authority, son," said Uncle social questions and problems and at mittee calls special attention to the actly prescribed by law. They varied Eben, "do a little preliminary practicthe same time create a permanent or section of appliances for the prevenganization for study and development. tion of industrial accidents. While patients.

many exhibits will be removed after the close of the opening exhibition, it f is hoped that as many as possible will been the complaint of Europeans. We be left for the permanent Museo So- are and glad of it. Yankees are start-

Physicians' Fees Fixed by Law. A German antiquarian has found documents showing that in ancient Babylon, 4,150 years ago, the sums according to the social position of the an' as a baseball umpire an' see blotchy skin that refuses to yield to in this way.

and will, we believe, stick to the habit.

whether you really enjoys it."

ciennes lace. A Blotchy Face. Many women are mortified by a red, cles and laces are sometimes cleaned