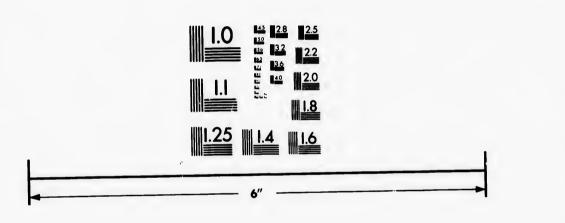


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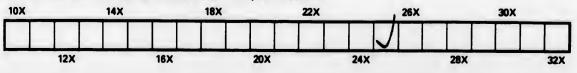


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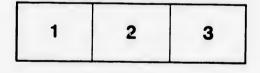
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THE NEWER PARTS OF CANADA.

THE NEWER PARTS OF CANADA.

BY CYRUS C. ADAMS.

HEN Sir George Simpson, Governor produce the best of wheat, fatten cattle and fied in a British court that the prai- and prosperous people. ries of Manitoba were unfit for human habitation, few people ventured to differ from this half of this continent is still in its carly sage conclusion. The Canadian Northwest stages. Until three years ago there had been ers and trappers, for most of the finer furs of Great Slave Lake except along the Arctic commerce were found there ; but no one sup- coast. Each annual report of the Canadian

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of the Hudson Bay Company, testi- sheep by the million, and support a numerous

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The fact is, the exploration of the northern was the congenial stamping-ground of hunt- in Canada no scientific exploration north of . posed a large part of this vast region could Minister of the Interior, every map and volume issning from the Geological Survey, is Rocky Mountains where great glaciers deto a considerable extent, a record of original scend for thousands of feet to the lower valdiscovery. Many a page is as entertaining leys can be found only north of the interas any book of travels and many a year will national boundary. In time, when the touryet elapse before Canada and Alaska will ist wants the exhilaration of a trip through cease to give us fresh geographical news.

volved in the thorough study of a new coun- west of the mountains, and for nearly seventytry. Mr. Herbert Ward, who was here from five miles he will float down the stream. the Congo recently, said that though several amid the grandest of scenery, the mountains hundred white men have lived for ten years towering above him 5,000 feet on either hand. past in various parts of the great basin, very and all the way he will meet with only one or little is yet known of the Congo region. When two small rapids to add a little excitement to a committee of the Canadian senate, two the trip. He will not, however, venture into years ago, gathered all the information they the rapids by which the river, emerging from could collect of the great Mackenzie basin, the mountains, drops to the plain below; for they reported that much of the northern and in ten miles the river tumbles a thousand eastern portion was as little known as the feet and is very grand and turbulent before it interior of Africa. What a rich opportunity enters its narrow gorge and assumes a placidthis little-known country is affording to the ity befitting its name. able and enthusiastic explorers of the scientific bureaus at Ottawa! Here is one of the Bay Company within a few years has launched interesting surprises to which they have upon the Athabasca and Mackenzie Rivers, treated us.

mountains stretching east and west for hun- all the way by steam except for about 335 dreds of uniles west of Lake Athabasca. If miles. He will travel by rail to Calgary on you happen to visit that region on a vacation the Canadian Pacific, thence 270 miles by tour you will look in vain for those moun- wagon to Athabasca Larding where he can tains. You will find instead an almost il- take a steamer for over 200 miles to the Grand limitable prairie stretching away to the hori- Rapids of the Athabasca River where sixty zon, not in gentle undulations as in Minne- miles of land portage are required. At Fort sota but as level as a floor. Suddenly a sur- McMurray, the foot of the rapids, a steamer prising thing will occur. A moment before, has been running for six years down the you saw nothing but the boundless, verdant river to Lake Athabasca and into the Slave sward ; the next, without the slightest warn- River, to the second and last obstruction, five ing you find yourself standing on the edge rapids close together. Below these rapids of a mighty gorge. Seven hundred to a thou- another steamer has been plying for six years sand feet below flows a water-way, a half-mile and there is no further interruption of naviwide, and the old trappers, paddling up the gation in the 1,037 miles down the Great noble Peace River, looked at the sandstone Mackenzie River to the sea. cliffs far above and called them mountains. If they had had the spirit of the explorer katchewan River to the Arctic Ocean our they would have climbed to the top and seen knowledge is confined chiefly to the rivers at a glance that they were in a prairie land and the great lakes. Explorers, missionaries, through which this great chasm has been cut. and agents of the Hudson Bay Company Some day steamers will float on this wonder- know very little of the enormous areas fully crooked water-way and they will carry stretching between the water courses. The tourists for seven hundred miles from the future will fill the maps with numberless defoot of the Rocky Mountains along this very tails now wholly lacking; but in broad outdeep and narrow valley, through which me- line we know the characteristics of the counanders the great stream that is unique try and they may be very briefly described. ' among all the rivers in the world.

American tourists that must be sought alone Fort Churchill on Hudson Bay. All the in Canada. Our alpine regions among the country east of this line is barren ground,

the Rockies by small boat, he will make his Few people realize the immense labor in- way to the head waters of the Peace River

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By using the steamers which the Hudson one may now travel from New York City to Some old maps used to show a low range of the Arctic Ocean along interior routes, carried

In all this vast country from the the Sas-

Draw a line from near Cape Bathurst on the There are a number of novelties for North Arctic Ocean, almost exactly south-east to

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THE NEWER PARTS OF CANADA.

utterly worthless, it is believed, save for its explorations recently carried out by the Canfish and furs. West of this line is a broad adian Geological and Land Departments : belt of country including all of Great Bear their studies in the region between Hudson Lake and generally bounded on the west by Bay and Lake Winnipeg, showing the usethe great chain of lakes extending from Great lessness of that country; their complete sur-Slave Lake to Lake Winnipeg. This is the wooded belt of the Canadian Northwest, containing much spruce, tamarack, and subarctic trees, a rocky and swampy area with some regions of good land. Between this region and the Rocky Mountains is another great belt quite narrow in its northern part along the middle Mackenzie but very broad at its southern limit, the northern branch of the Saskatchewan. This is an area of great plains with considerable timber, and a large extent of the country some day may be valuable for pasturage. Then south of the North Saskatchewan, extending from the Red River valley to the Rocky Mountains, is a land of prairie and plain, one of the finest wheat growing and grazing countries in the world. The general characteristics of most of British Columbia are those of the wooded belt above referred to, and here and there all over the country between the lakes and the Pacific have been found riches in the shape of petroleum, coal, and gold which have developed into or bid fair to become large sources of wealth.

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It really is amusing to see the changes that Canada's surveyors and explorers have been making in the maps of twenty years ago. They have been finding new water-ways and changing the courses of the old ones. They have whittled off parts of that wonderful system of lakes and added other parts which once figured as dry land. Lakes as near civilization as Lake Winnepegoosis in Manitoba have taken on quite a different appearance, and Lake Mistassini in the Canadian Northeast.ionce reported almost to rival Lake Superior in size, has been forced to abate its lofty pretensions and now cuts a very humble figure. Within the past three years, Dawson and others have made a running survey of over 100,000 square miles of territory along the head streams of the Yukon, hitherto a terra incognita, and Ogilvie's conclusion that the gold diggings on the Yukon are in Canadian instead of Alaskan territory was interesting reading for us and hastened the sending of our expedition which is now locating the 141st meridian, the international boundary methods of topographical surveying. line.

veys of the Frazer, Athabasca, and Churchill Rivers, the mapping of the Cariboo mining district, where much of the country is so rough that pack animals cannot enter it ; the exploratory labors east of Hudson Bay; and other important enterprises ; but all students of Canadian exploration are grateful for the invention of dry plates in photography, which have enabled the government to embellish its geographical reports with striking and beautiful pictures from regions almost unknown. "No record of exploration," says a report of the Interior Department, "is now considered complete unless it is accompanied by illustrations." Canada also is using the camera in a very interesting way to facilitate her explorations in the Rocky Mountains.

The government is mapping this tangle of lofty summits, and all Alpine clubs and devotees of mountain climbing have been greatly interested for three years past in the graphic reports of these surveyors. Their scrambles above the snow line, clambering far up the slope of great moving glaciers, their toilsome progress as they cut their way through dense underbrush or crawl along the edge of dizzy precipices, their little mishaps, sometimes ludicrous, as when a pack-horse rolls hundreds of feet down the side of a canon and is found wedged between two trees not at all hurt but painfully astonished, and above all, the splendid panoramas they see upon which no human eye ever rested before, and the order they evolve from this jumble of ranges. spurs, and valleys, have made the Canadian survey of the Rocky Mountains, still in progress, one of the most interesting of recent geographical studies. Now the usual processes of topographical surveying are far too expensive in this difficult and for the most part uninhabitable region, where the aim of the survey is chiefly to perfect the map. Using triangulations, therefore, as the basis of the map, the surveyors work in the topographical features by means of photographs taken on mountain peaks. This process has been used for some years in the Alps at about one-tenth the cost of the ordinary

Nestled among the mountains are lovely We cannot describe here the many notable lakes, some of them thirty or forty miles long,

THE NEWER PARTS OF CANADA.

hot springs here and there, one of which already is famous for its medicinal properties, thick, stretching up the mountain for nine and water-falls tumbling down the mountains for hundreds of feet. The region of the Frazer River is of peculiar grandeur and beauty. Gazing from afar at a noble cone, now known as Lookout Mountain, the explorers saw a long, white streak down its rugged side. They found it was a magnificent cascade, its waters lashed to snowy whiteness, and dashing for three thousand feet down the steep slope. These placid mountain lakes are full of trout, and the great hills that tower from the mountains are almost uniformly about 3,000 to 6,000 feet above them are mirrored in the waters. Mr. Peary, the American rugged peaks are clad in perpetual snow, and traveler on Greenland's inland ice, thinks there is no air in the world like that he the forest region. It was an interesting disbreathed on that wonderful ice plain 7,500 covery that our mountain climbers may find, feet above the sea; but draughts of Rocky at home, opportunities for adventure above Mountain oxygen lose none of their health- the snow line, rivaling those of the Alps and giving quality by adding the aroma of fir the Caucasus. Our chief authority on the and hemlock. Deer and black bear are nu- Selkirks is the explorer Green, the first to merous, grouse abound, and goats and Rocky climb Mount Cook in the New Zealand Alos. Mountain sheep clamber far up the mountain He calls the Selkirk region, "one of the lovside. Tourists, hunters, and invalids already are making their way to this new resort for health and recreation ; and among these picturesque lakes, romantic rivers, and grand mountains, a large district has been set apart for the National Park of Canada.

A force of men are constantly at work making roads and bridle paths to the numerous points of interest in Canada's big pleasure resort. The National Park is about 500 miles north-west of our own great Park. It is on the Canadian Pacific at the eastern edge of British Columbia, and though it never can rival our Yellowstone Park in natural wonders, it is destined to be one of the famous breathing spots of the continent. Bridle paths lead up the mountains from whose tops magnificent pamoramas unfold. Picturesque bridges span the Bow and Spray Rivers, and from the Bow bridge one sees a noble river sbooting past at twenty miles an hour before it plunges over the falls. Here is an interesting cave, and hot and sulphur springs, whose waters are led by conduits to various sanitariums, and high up in the mountains is a natural basin full of tepid water where many a visitor takes a plunge; and a few hours steaming, over the crests of the Rocky Mountains, lands the visitor among the won- land surveys have been far more actively purders of the Selkirk range. He leaves the sued west than east of the Rocky Mountains train at the very foot of one of the greatest until at last they cover the whole of the lands glaciers in the Temperate zones.

Fancy a river of solid ice about 500 feet miles with a width of a mile to a mile and a half, moving down the slope in midsummer, over a foot a day, with immense moraines along the sides and front where quartzite blocks, weighing many tons, have been pushed ahead or swept aside, and you have a faint picture of the Great Glacier of the Selkirks. It is believed no Indian ever visited these mountains, and the Selkirks are still imperfectly explored, though we know many of 10,000 feet high, that above 7,000 feet the that scores of glaciers push down the slopes to liest districts on our planet," though he had some tribulations there induced by a bucking mustang to whose back the scientific instruments unfortunately had been confided. In a paroxysm of bucking, the animal dashed the theodolite, the prismatic compass, and other instruments to the ground, and then added insult to injury by rolling on the débris. When Mr. Green explained to the Royal Geographical Society of London why he could not return the costly instruments it had loaned him, he convulsed that learned body.

But notwithstanding Canada's activity in the field of explorations, the work has only just begun. A recent report of the Geological Survey says that very little precise knowledge has yet been obtained of large districts even in Manitoba. The large colony of Icelanders who recently found new homes between Lakes Manitoba and Winnipeg settled in part upon still unsurveyed lands. As a rule, however, the land surveys have kept far in advance of settlement, and there has been a great decrease of field work since 1887, as the Government sees no reason for staking out the farming lands many years before pioneers will occupy them. Recently, taken up by settlers in British Columbia.

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THE HOUSE OF REPRESENTATIVES.

Interesting discoveries as to the resources miles. The whole world will be interested of this vast country have crowded fast upon in the expedition headed by Pennsylvania one another. The world talked long of the experts, which the Dominion government is rich new wheat lands of the Red River Val- now fitting out to explore the oil regions. ley and the Saskatchewan; but it never Another scientific expedition which will start seemed to occur to any one that the great this year has the mission of studying the replains farther west, to the Rockies, where sources of the Great Mackenzie basin and millions of buffalo had roamed, were admir- suggesting the best means of preventing the able grazing lands. That discovery was extermination of fur animals. made later : cattle raisers flocked into Alberta with their herds, and ranches are still multi- of the future, for their resources have not yet plying. Then, as the surveyors pushed up been carefully studied, much less utilized. along the east side of the Rocky Mountains. The hardy yeomanry who are planting they were surprised to find that there seemed civilization in these former wilds have sufto be no limit to the northern extension of fered for several years from early frost and the arable and pasture lands, influences from blighting drought. Far north, along the the Pacific warming the winter air.

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only ologrecise large e colnew 7inniveyed rveys , and work eason years ently. purtains lands dian Pacific as it approaches the mountains, ever seeing that long promised railroad which west, though not well furnished with timber, foundations of so great a social edifice as the doubtless could supply the whole continent Canadian Northwest is destined to become. there are about 800,000,000 tons of good coal; Manitoba, weary of the régime of the mounted coal miners at a cost of less than three dollars provincial governments. Manitoba and Asthe California markets.

the extent of Canada's coal supply. Professor ample, whose climate invigorates both mind oil district comprises nearly 150,000 square so ambitious to achieve success.

The newer parts of Canada are a country Northern Saskatchewan, many a farmer is Then along and near the line of the Cana- freighting on the road and almost despairs of rich coal fields, both bituminous and anthra- was to bring his wheat field within reach of cite were discovered. The Caudian North- markets. But it takes years to lay even the with coal for centuries to come. In the re- The railroads will be built and plenty of gions of the Belly and Bow Rivers alone, it them. Progress and growth are apparent is estimated by the Geological Survey that everywhere. Already the colonies outside of and farther north, at Edmonton, the citizens police and the Council at Regina, are petitionare supplied with the product of their own ing the parliament at Ottawa for separate a ton. Canadian anthracite has been sold in siniboia have raised 13,000,000 bushels of wheat in a year, and on the plains of Alberta, The discovery of large areas of petroleum which no white men save a few hunters had basins was reported several years ago in the seen twenty years ago, 150,000 cattle are graz-Athabasca region. Comparatively little is ing. There can be no doubt of the bright known yet of the value of these finds or of future of a country, whose resources are so Dawson, of the Geological Survey, thinks the and body, and whose, enlightened people are

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