Great Improvement on the Old Method of Surveying.

THEODOLITES NO LONGER NECESSARY

Fifty Thousand Miles of Western Canada Being Surveyed by Camera -Inventions of the Canadian Surveyor General.

been surveyed with the camera. Nothing comparable to this in the way of photographic surveying has been accomplished on any such such anywhere else in the world. How the work has been accomplished and how other work has been accomplished and how other method has been accomplished and how other method has been opinited out very fully in a little book just issued from the press of the Canadian government printing bureau, written by Mr. E. Deville, surveyor general of the dominion lands, who is probably the most

ICONOMETRY

a given negative, in which algebraical formula and mathematical charts figure in a way that would be quite bewildering to the average lover of the camera; but in the midst of these technical details are many points of practical value to every photographer. Thus, the simple device of having a net suspended between the legs of the triped, in which stones are placed to steady the camera, would save many a negative in windy weather that now is lost through the vibration of the instrument. And the care which is counseled in determining the exact period of proper exposure for a given plate, lens, and light, even if carried out with for less of scientific precision than is here suggested, would enable many an amateur who now wastes several plates for every good negative to reeral plates for every good negative to re-verse the proportions of failures and suc-

Something like 50,000 square miles of the mountainous country of western Canada has been surroused with the country. Nothing

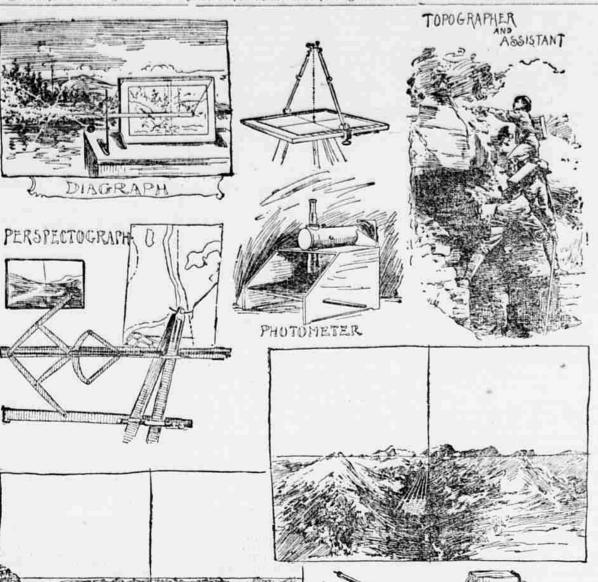
the dominion lands, who is probably the most experienced and accomplished photo surveyor in the world.

The word photo-surveyor, by the by, is only a makeshift. The method of surveying with the camera being as yet comparatively little used except in restricted territories, no name for the method has come into general acceptance among surveyors. Among the names

Been Hanging Fire for Thirty Months.

DUBUQUE, Is., Nov. 6 .- (Special.) - The aldermanic indictments have created con-

raised this amount to \$500 per year. Two members, W. W. Bonson and Philip Ryder, at present chairmen of the republican and



A STATE OF THE PROPERTY OF THE PARTY OF THE PHOTOGRAPHS AND INSTRUMENTS USED IN THE NEW METHOD OF PHOTOGRAPHIC SURVEYING.

metry, metrophotography, topophotography for instance, being of no service whatever. metry, of which the last, which perhaps the most desirable.

CHARTING INACCESSIBLE MOUNTAINS. Names aside, the method is a most important one, enabling the surveyor mountainous lands that are practically inaccessible to the carrier of chain and trident, and altogether so to the user of the plane table, and to do the work not only well but cheroly. This being the case, it seems strange that the method has not come into universal use, for it appears that, though still in a sense a novel method, it is by no means new. It originated as long sgo as 1849 with the distinguished Frenchman with the use of the camera lucida for making the drawings, and who soon afterward substituted the camera. He published full accounts of what he had done, and, indeed, brought the photographic method to full perfection, notwithstanding the relative crude-ness of the implements then at command and the great difficulties of the old wet method

It is not strange, perhaps, that Laussedat found few followers in the day of the old wet-plate photography; but why there have but to take his negatives home, print cu-larged pictures from them, and proceed to his real surveying in his office.

PHOTOGRAPHING EXTRAORDINARY.

But in practice, Mr. Deville assures us, the the more to be heeded because it comes from an ardent advocate of the method. The causes of failure on the part of many who tried the method and discarded it in disgust are chiefly two. One of these is a defective knowledge of descriptive geometry acid perspective, which are essentials of the pletting of photograpic surveying, but which have, of course, little interest for the general reader. The other difficulty lies in the manipulation of the photographic opportus itself, and the making of a proper negative. This, we are assured, is by no means the easy thing it seems, since photographs that be highly acceptable to the average photographer, professional or amateur, might quite useless for the purpose of the sur

MUSKOGEE, I. T., Nov. 6.—The house of tilting never a hair's breadth in one direction or another; the lens he uses must be an anatigmat, and absolutely rectilinear, that the image may not be in the least distorted and the plate must be of a special kind, and adjusted in the camera with a degree of nicety of which the ordinary photographer has no conception. The details as to all these things that Mr. Deville gives are highly interesting, when divested of their technical nomenclature, and must tend to make any ordinary photographer feel that the curt of taking pictures as he follows it is crude and masternia.

that have been suggested are photogram- | cloth or paper against the back of the plate, | the fail of 1895, when the council made al-OTHER COUNTRIES TAKING IT UP. means literally a means of measuring by perspectives, is held by Mc. Deville to be perhaps the most desirable.

When all these technical difficulties of photographic surveying are made clear it no longer seems so strange that the method has consequently allowed \$500.

A local paper announced that this was illeged to the photographic surveying are made clear it no longer seems so strange that the method has

been but slowly adopted by surveyors, even in those districts where its advantages would be most marked. The surveyors who tried it usually failed to get any available results, and they did not realize that the fault lay with themselves, and not with the method. had been done even earlier than the Canadian surveys, though nowhere on any such scale as here. But it is a curious fac Laussedat, who at first practiced surveying that in France, the home of Laussedat, the with the use of the camera lucida for making criginator and perfector of the method, no official support or recognition was accorded it until, almost half a century after its first introduction, it comes back to its original seat, bearing the approval of haif a dozen outside governments, in particular of Canada. But now at last the value of Lauszedat's invention is coming to be recognized even by his own countrymen.

To any one who reads of the Canadian surveys it will be clear the surveying with a camera on a tripod is an accomplished renot been more of them since the dry plate came to simplify photography is not at first sight so clear. Mr. Deville, himself almost which is still in the experimental stage. the first and by far the most advanced of Laussedat's disciples, explains it, however, as due to the real difficulties of the photographic method, even when practiced with that all the surveying of the future, no all modern aids. Theoretically, it might matter what the character of the topography. all modern aids. Theoretically, it might seem the easiest thing in the world, in this day of universal "push and button" photography, to instruct the trained surveyor countries the could substitute a camera for his plane-table, and at once secure excellent results. A drawing which with gany other means would require hours to secure, even in outline, may be transferred to the gelatine plate, as everybody knows, in the fraction of a second. Having secured a series of such sun records, from fixed and recorded points of observation, the photographer has so much more comfortably soar over them and take his snap-shots from the cloud line.

In matter what the character of the topography, will be done exclusively in this way. Mr. Deville, it should be noted, does not share be refined to sample this view; yet his results with the tripod method would seem to give a certain warrant for the great expectations of the bailoon punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the ripod matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the prohibiting them from voting on any matter in which they are interested was not punitive. He also held the aiderman had committed no crime, because the section of the prohibiting them from voting on any matter i But with the non-dirigible balloons of the present, it does not seem feasible to sup-

plant the work of the tripod camera. HENRY S. WILLIAMS.

An Awful Cough Cured. "For more than two years I had a distress-ing cough which got worse all the time, not-withstanding the fact that I took a number of withstanding the fact that I took a number of remedies and even spent last winter in the vicinity of San Antonio, Tex, hoping to be benefited by the climate, but about the middle of February I came home to die, as I was so week that I could not sit up," says Mrs. J. H. Eagan of Memphis, Tenn. "In their effort to give me some relief, one of my friends brought me a bottle of Chambertain's Cough Remedy. I took a few doses and my cough was very much relieved. I continued to take it until I had taken two bottles of the large size, and I have not coughed any since." oughed any since.

INDIANS IMPEACH A HEAD CHIEF.

appropriated and placed in his hands to be used in removing intruders from the nation; that he refused to allow the second chief to take his place in the executive office during his absence in Washington, and that he spinished absence in Washington and the spinished absence in Washington an

lowances to the members of the Board of Health, which included the mayor and some

A local paper announced that this was illegal, as he was receiving \$1.500 per year, the limit of the salary allowed by law for all duties connected with the office of mayor This statement was denied, and an investi gation of the law, undertaken to support the assertion, brought to light the fact that The Canadian surveys, however, have now the aldermen were prohibited by section 5 proven beyond cavil what the method is of the special charter from voting on any The Canadian surveys, however, have now proven beyond cavil what the method is capable of, and quite recently other countries are falling in line. In Germany and in Italy, indeed, much valuable work in this direction warning given the aldermen ordered the warning given the aldermen ordered to be section as the aldermen were promitted by section a province of the special charter from voting on any matter in which they were interested. Despite the newspaper discussion and the warning given the aldermen ordered the special charter from voting or any matter in which they were interested. FIRST INDICTMENTS.

> night be found to have voted for the resolu- the city hall. tion increasing their own valaries. The incv indicted the mayor and the eight eldermen

The defendants demurred to the indict

He held the act of Mayor Olinger in taking ing. more than the legal salary was not a crime. because he had not voted the snary to him-self and because the statute limiting the compensation was not punitive. He added turned in and helped to elect Tim that if the legislature should vote him more that individual had calculated from

preceding one. Therefore, he held this May after the retirement of Commo

The cases were appealed and a few weeks ago the supreme court reversed Judge Water-

LOWER COURT REVERSED. It also held that section 5 of the city charter prohibited the aldermen from raising or fixing their own salaries. A procedenda was returned in each case and the new indictments returned today followed swift

Mayor Olinger and all of the indicted alder-men, who came up for re-election in the spring of 1896, just after Judge Waterman's decision were defeated. Olinger failed to carry a single precinct in a city in which he had carried every precinct the previous year, and this notwithstanding he had given the

—a corner of the carpet world

-busy business is a-doing throughout this autumn-attired carpet department. It's an active corner of the carpet world—the show spot and sale spot of whatever is best and newest and wisest to buy in floor coverings -the gathering was done knowingly and before carpet prices were advanced by manufacturers. So you may be sure of carpet correctness and cheapness—sure that economy and elegance are yokefellows in everything you buy here—we are

-new wiltons

-bed room furniture



mirror, beautifully ished, \$21.00. Mahogany finish 3-piece pentine front, \$22,50. White

ple, 3 pieces, French plate mirror. same suit sold last year at \$45.00. This year it is

A special line of fine quarter sawed oak, bird's-eye maple and mahogany Dressers, well worth \$40.00 to \$50.00 each, at \$27.00. Wash Stands to match if desired.

-sideboards -our stock was never so complete as just now,

ror-modern in construction-at \$11.50, You can pay more and get larger and better ones-always the best for the least.

are real oil and cork, match perfectly of make the lowest possible prices. and are in beautiful patterns. We could proved—Double Roll Top with cabinets get Linoleums (so-called) to sell for less, attached and detached—the most perfect which are made in England-real Eng- working Desk in the world, with drawlish, you know-the trashiest kind of ers, shelves and pigeon holes galoreprobably sell lots of it for 30c, but it isn't worth 15c. These Linoleums are quick work. made of real oil and cork-real, genuine Linoleums-and the price is very low at Letted Files, Tariff Cases and such like

-new moquettes -new brussels -oriental rugs new axminster —new smyrna rugs—new tapestries —new ingrains --new art squares —new linoleum

-Japanese crepe screens, all 3-piece sorts of colors and designsbirch suit, three-fold, 5 feet 3 inches handsomely hand carved, hurned wood tips, at \$1.95 complete. Japanese Crepe, 30 inches wide, in a beautiful line of patterns, the finest im-portation of the season, none like them in Omaha, 12c a yard.

Denims, 33 luches wide, elaborate patterns, too good for dry goods stores, our

price only 18c a yard. -rocking chairs

we have just received a full carload of new Rockers, elegant things, which we

Monday for the first time. Among them are a lot of nice Oak Rockers, eather seats which will sold as leaders at \$1.75 and \$2.25.

Antique and mahogany finished Rockers, highly polished, cobbler leather seats, at \$2.50, \$2.75 and \$3.00. Beginning with a solid oak-plate mir- styles, shapes and woods, and at the most moderate prices.

-we are sole agents for the difference. These will be 75c pretty -lino!eum Cutler office desks-from the -we place on sale tomorrow plain and flat top-single or another large lot of oil and doub'e to the largest and finest roll top-with all the conveniences that cork Lindeums-just notice the price- have made these Desks celebrated all 45c-way under its value. Now, there is lover the world. We have the only stock a great difference in Linoleums. These of these Desks in the west and are able

We dare not buy it. We could just the thing for attorneys, insurance men, physicians or any one whose office work is of such proportion as to demand Office Chairs, Revolving Book Cases,

-in the draperies

-carpets

-carpets are steadily advancing in price and every pattern we sell out of now is replaced by higher priced, but no better than before. Now, for instance, we offer for us not to crack-and the springs to stand Monday an all wool Ingrain Carpet at up under all circumstances-price \$37.50. 60c-we have seen Ingrains advertised this week at 34c, and the claim was made that they are all wool, which is a financial impossibility. We guarantee ours to be all wool and that they will outwear three 34c Carpets, that are not guaranteed to last till you get them down. There's big value in our 60c Ingrains-there's style to them also. Come --office desks and see them and you will easily see the

> Bring your measure, as in a special sale of this kind we are often tempted to sell more than we have. Your room measure will insure you of getting all you want without any vexatious delay. The chief part of our business is Carpets. Probably no house in the west carries so large a line or so varied an assortment. We pride ourselves upon having the latest designs, the generally unobtainable designs, the best goods for the So much of a demand was there for money. We are especially complimented our Japanese creps covered Down Pilupon our Axminsters. And then we have Carpets at all sorts of prices. Carpet prices are advancing every day.

-center tables There are a few of those \$3.50 Ma-

-couches -tufted couches in corduroy with steel springe, steel edge, a beautiful affair at \$8.25. From this price up we can give you anything in the couch line you can ask

Box Conches, with deep box extending the full width and length of the couch, just the thing to lay out dresses in-upholstered in muslin-all spring edge-

Another Box Couch-upholstered in denim-box plait flounce-\$15.00. Wide wale Corduroy High Head Couch

Rococo Couch, new shape frame, velour covering-\$18.00, Very fine calfskin leather large Couch in any color-made with diamond tufts

and cut leather fringe-made under our careful supervision and guaranteed by

-rope portieres

-a new and elegant assortment, 6x8 feet, in delfts, greens and oriental colorings at \$2.75 each

A new design in a Typhoon Cord Rope Portiere, full 6 feet wide, special value at \$4.25. Chenille Curtains, all colors, \$1.98,

\$2.50, \$3,50, \$4.00 and \$5.00. Tapestry Curtains, a full line of colors, at \$2.50, Oriental effects in Tapestries, very

new, at \$5.00, \$5.50 and \$8.00 a pair. Three-eighth inch Extension Rods, extending to 44 inches, complete with brackets, 13c

One-half inch Extension Rods, extending to 5 feet, with projection brackets, suitable for lace curtains, 25c. lows, with and without tinsel effects, that we have made up another lot for

Extension Rods, 24 to 44 inch extension Sash Rods, fixtures complete, 12c. Then we have 16 inch Extension Rods, with projection brackets, specially for hogany Finish and Solid Oak top Center lace curtains, extension 34 to 54 inches

Monday to go at 68c a pillow.

1414-1416-1418 Douglas Street-

Orchard & Wilhelm Carpet Co.

another Chectaw, was to have shared Walla Tohneka's fate. Last Wednesday night as

they were all camped around the Sulphur springs in the center of the settlement, a

responsible for his rise from the woodchop- pessimism overshadowed the Wall street

hairman of the committee on ordinance having come here from Vermont with his parents when a boy. He was graduated m Illinois college at Jacksonville in the s, and was city clerk here before the He was captain of the Third Iowa infantry and served with General Phil Sheridan at New Orleans as auditor of accounts. His of colonel comes from his service the Iowa militia after the war. Among the mous Indian ball player who was convicted constituents he represents in the council of murder and was to have been shot at are Senator Allison, Congressman Henderson, Judge Hines and the plutocracy of Nob.

He is a republican and so is the ward.

He is a republican and so is the ward. but his firmest grip is with the humbler members of the ward's population and se ceps a full share of them on the pay roll.

Tim Shea is altgoether the most pic-presque, interesting and original character warning given the aldermen ordered the war-rants draws and the mayor end several al-dermen took the money at once. pered to such a degree that he affected the quarter stretch and the betting shed on his Judge Husted instructed the grand jury to indict the mayor should it be found he had taken more than \$1,500 and such aldermen as "EASY" TO BEAT.

When it was announced in the spring of 1894 that Tim would be a candidate for derman the affair was treated as a joke nents and Judge O'Decnell, from motives of He was cute enough to give out the impres-lelleacy, requested Judge Waterman to come sion that he was only a "stall" and would withdraw at the eleventh hour in favor of another man the committee had in train-ing. Tim was thought so easy to beat that every other man in the opposite party was a candidate against him. Only one was a candidate against him. Only one was chosen and the disappointed candidates that individual had calculated from the start, salary thru the constitution of the state al-lowed a judge he would take it.

He held the alderman had committed no candor like Webster Flanagan's made him crime, because the section of the city charter agreeable to his fellow members, while all prohibiting them from veting on any elements of the community regarded him kindly. In 1895 he was in favor with the administration and had the chairmanship of seven committees, including nearly every committee that bought anything for the

The pay roll scandal came to light last held many years. O'Connell was the handy man about the city hall, and long experience had made him very capable. He earned man on very proposition advenced in their gratitude by writing resolutions and either case. It held the mayor, who took preparing reports for alderman and execusalary in excess of the legal limit, and the tive officers who handled the pen only with alucrimens doing things prohibited by charter, were liable under the statute providing that any public officer performing in his official capacity any act prohibited by statute should be liable to a fine of \$500 to \$5,000, or to imbooks kept by the twelve street bosses. Hagprisonment in jail for not more than one erty also turned into O'Connell the time of the men working under his personal supervision. Thus O'Connell alone knew what names and time had been turned in. If the name of someone unknown to him appeared on

of someone unknown to him appeared on the published pay roll—and, of course, there were many instandes of the kind every month—each bogs supposed the man had worked for some of the others.

There came a day when an alderman wanted O'Connell's place for his nephew, and by trading with others interacted in condiby trading with others interested in candidates for other offices, he secured it. Then the revelation came.

make any ordinary photographer feel that that he refused to allow the second chief to make any ordinary photographer feel that the art of taking pictures as he follows it is crude and unactentific to the last degree, compared with what it might be. In Mr. Deville's hards it has become, in the most technical sense, a science.

DEVICES OF INTEREST TO AMATEURS.

We read, for example, of the exact determination of the right time for exposure for mination of the right time for exposure for make any ordinary photographer feel that the refused to allow the second chief to that he refused to allow the second chief to take his place in the executive office during his absence in Washington, and that he spoints in Washington, and that he appointed at the commissioned two delegates to Washington, and that he appointed and commissioned two delegates to Washington, and that he appointed at the closing was at the pendence.

PATRON OF THE TURF.

Since his retirement from politics Olinger has given his attention to the turf. The public has forgiven but not forgotten the accounts of Treasurer Childers.

Subscribe for The Sunday hee and read Anthony Hope's great story—"Simon Dale."

Subscribe in the executive office during his absence in Washington, and that he spendence are the chiesance of the commission of the right time for exposure for maked. A slump of the points in Washington, and that he spendence are the chiesance of the commission of the right time for exposure for the commission of the second chief to allow the second chief to the last appointed at Chicago, and finally was beaten by Mary Marshall at Independence.

Sugar helped to demoralize the late market on that he appointed at Chicago, and finally was beaten by Mary Marshall at Independence.

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Sugar helped to demoralize the late market on the ture for the lowest. It developed next developed next also bean appointed to the last Chicago,

personsible for his rise from the woodchopper's tent to the mayor's chair, and it was
responsible for his refusal to surrender the
\$500 after the court holding he was not a
criminal had said that he had no legal claim
to it. Those aldermen who had shown a
spirit of submission to popular feeling were
forgiven more readily and two of them, Cullen and Crawford, were re-cletted last
spring.

Crawford has been a member of the council, excipt at brief intervals, since 1883, and
is its intellectual light. He is a lawyer and
chairman of the committee on ordinances. recently the friends of the condemned Indians have been putting forth such strenuous ef-INDIAN BALL PLAYER REPRIEVED. forts to secure a stay of execution that probably for this reason the date of the she was set two days ahead. Walla Tohneka, of His Execution. whose other name-the one under which he DE QUEEN, Ark., Nov. 6 .- Advices from draws rations from the government—is Wil-liam Going, and Crosby will be tried again in the December term of the Choctaw court, Indian territory have just been received here stating that Walla Tohneka, the famous Indian ball player who was convicted and it is probable that they will be ac-

Naturalization Papers. PHILADELPHIA, Nov. 6.-A sensation was occasioned in political and official cir-

has been issued.

TAMPERS WITH MEAT INSPECTORS Foreman of Kansas City House

Charged with Bribery. KANSAS CITY, Nov. 6.-Harry Boyen foreman of the beef coolers at the Jacob Dold & Sons packing house, man been rested here by United States Marshal Shelby rested here by United States Marshal Shelby at the part of Dold & Sons packing house, has been arof murder and was to have been shot at Alikichi, Wolfe county, Thursday, still lives. FEDERAL OFFICIALS ARRESTED. Patten, Leslie Allen and F. W. Hopkins, government meat inspectors, to pass con-demned beef. Boyer, who enters a denial of the charges, was released on his own recognizances and will be given a hearing some time today. The arrest was made on the strength of three indictments found against cles today by the placing in custody of sev- Boyer by the United States grand jury courier arrived from Tuskahoma, the capital eral city and United States government em- which adjourned yesterday.

