PAGE TWELVE

THE TORONTO WORLD

THURSDAY MORNING SEPTEMBER 6 1917

ANNOUNCEMENT

Our Engineering and Metallurgical Acquisitions

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SHINING TREE DISTRICT DESCRIBED AS ONE OF ONTARIO'S BIG ONES

Great Opportunities for Live Prospectors-Conflagration Cleared Away Underbrush.

Special to The Toronto World. Sudbury, Ont., Sept. 5.—You leave Sudbury at 6.30 a.m., taking the Canadian Northern train northbound, Burlying in Kashharr about the advector of the second three the veins have been blasted into, one will find on the dumps numerous pieces of vein matter carry-ing visible gold. This may be seen by anyone who cares to make the trip.

arriving in Kashbaw about ten o'clock Many of these veins are two, three, in the forenoon of the same day. After four, and one or two I saw, five feet an excellent dinner of fresh beef, new wide. One can pan gold by cutting a potatoes, good bread and butter, top- moiled sample across the vein from posits of this camp. It was thought potatoes, good bread and butter, topbed off with a juicy raspberry pie, you start on your way into the wilderness. You first portage about two thirds of a mile over a first class trail to the shores of Dechesne Lake, where you of gold in the pan. If the igneous rocks would not be nearly as productive as the sedimentary se-

may either embark in your own cance or take the gasoline launch run by that genial giant, Ed. Steep. It is about 37 miles by water to the first stop by launch, and it takes about seven hours to make the trip, which is all down stream, for one is now in James Bay waters. At seven p.m. the same afternoon we landed at the stor same afternoon we landed at the stop-ping place and little store on the south east bay of Washaquagama Lake. Gosselin, Gibson, Moore and McDonald, Attorn and a farth of the stop-generation of the south south of the south of

but will give a fine tail of gold in the history. gold pan.

Guide Necessary. From our stopping place it takes nearly a day to reach Wasapika Lake. Benefited by Fires. The great fires of 1915 and 1916 have Prospectors call it 17 miles via Oka-wakenda Lake route. There is a tation or moss, so that it is now posshorter route overland, small lakes, but one would require a guide as there are so many trails going off in various directions. going off in various directions. At Goldfields, G. R. Rogers, M.E., few months or few weeks. In crosshas located a camp, and has about 12 | ing the country one may notice patches

ness located a camp, and has about 12 men at work stripping and sinking on a strong vein. This vein is a contact vein lying be-tween andesite schist and porphyry, and running in a north and south di-rection. It averages between five and for about two miles. The vein matter is quartz highly impregnated with iron pyrites. Some

and it is very evident this property will soon join the list of regular pro-

ducers, as well as continue for an ex-

tended period of time. The lack of any

extravagance in the work now being

aggressively pushed was plainly dis-cernible, and under Mr. Morgan Cart-

wright the shareholders' interests ap-

pear to be in safe hands. He keeps

in close touch with everything that

goes on and is underground most of

"I look to see a nice shipment made

from the Adanac within a short time,

as I saw a large pile of ore bagged

from 1500 to 5000 ounces to the ton,

and with bar silver rapidly approach-

ing the dollar mark this will net the

company a tidy sum. From what we

saw in this mine it was our opinion,

in which Manager Cartwright joined,

ern Miner, Cobalt, Ont.

wear. SAMPLE ON .REQUEST.

the drillers are now working close to

MINING

and ready. This ore ranges in value

his time.

as that already staked.

sive type being shouldered and carried to are to be found numerous quartz prospectors. veins which follow the strike of the Sudbury is the natural outfitting and unfavorable ground is not through to success along substantially simi-. schist. These veins vary in width point, also the nearest point to the as distinctly marked as we find it at from a few inches to several feet. camp, where supplies or cances and Porcupine. So far the conglomerate Favorably Impressed. Mr. Van Law was in Northern On-tario about two years ago, and it is lar economic lines. from a few inches to several feet. camp, where supplies or cances and Many of them carry visible gold in considerable quantities. I saw a ten or twelve-inch vein with a streak of visible gold down the centre of it, about half an inch wide, and twelve or fourteen inches long. cept two or three places there is a three two and a three are no rapids, ex-and twelve or fourteen inches long. cept two or three places there is a centre of it, about half an experience three places there is a three two and a chaif days. The portages and twelve or fourteen inches long. cept two or three places there is a centre of it, about half an experience three places there is a three two and a chaif days. The portages and twelve or fourteen inches long. cept two or three places there is a centre of it, about half an inch wide, and twelve or fourteen inches long. cept two or three places there is a cept two or three places there is a centre of three places there is a cept two or three two or three places there The senior member of Alderson, Baker & Gaeblein is Dr. Victor C. Alderson, a distinguished mining and general technical engineer, a man of proven administrative of mining operations in Canada. But whatever the intentions of the This was more than three quarters swift current. flowing from 1904 to 1917? Meantime ability, a constructive mining man, who has Don't forget to put it down in your we can see many millions of ounces gold. hig smelting and mining house may be it is certain that they will enterthe confidence of capitalistic and official Free Gold Visible. This camp will be one of of silver still to be won. S. R. Clarke. Where little pits have been sunk Ontario's big ones. J. F. Black. circles to a rare degree. We count it a very tain only properties of the highest class. Several offerings have been great privilege to have secured Dr. Alder-H. W. BAKER, M.E., ON **GREATLY IMPRESSED** the top of what will likely prove to be already rejected as unsuitable and it is said that over 99 per cent. of those son through his organization at the head a deep-seated ore body and with every indication of going to as great a depth of such engineering and mine administrasubmitted meet this fate at some stage of the investigation. Mr. Ye-**BY KIRKLAND LAKE** as on Timiskaming or Beaver / Con-**VISIT TO KIRKLAND** tion work as a progressive and responsible andle's endorsement of a property is therefore a very convincing testimonstock brokerage house in modern practice "Our visit to Porcupine was also entirely a pleasant surprise, especially ial as to its value. It is, 'however, regrettable (that Local Mining Broker Paid eral hours underground. The labor requires. Member of Well-Known Boswhere an engineer is brought into the country every other owner or broker Dr. Alderson is one of the most capable situation throout Porcupine is rapidly who sees him even from afar pro-ceeds at once to offer properties. On the trains, at the hotels, and even, in some cases, actually on men within our acquaintance. His career is Visit to Camps of improving, and with the munition ton Firm of Mining workers returning gradually there is a remarkable one. He was practically a little doubt everything will be running North. Engineers. co-founder with the late Philip D. Armour full blast and at capacity this fall. When such is the case just watch the gold production of this camp jump the property being shown, they swarm around the dispenser of and the president of the institution, Dr. F. W. Gunsaulus, of the Armour Institute of After spending a few days in the Swastika, Sept. 4.-H. W. Baker, north, Hamilton B, Wills of the Royal Bank Building, as well as the man-"We also spent several hours money with eagerness equal to that of black flies in midsummer in a M.E., a member of the well-known firm of Alderson, Baker & Baker, mining Technology in Chicago, which ranks with "We also spent several hours in northern swamp, and often go to the extent of attempting to depreciate the Kirkland Lake visiting each of the the great technological institutions of the agers and executive staffs at his varingineers, with offices in Bost on, Mass offices in New York, Rochester, operating properties from the Toughworld, having an annual student attendance and Boise Idaho, has arrived here. Dr property which the engineer was spe-cially employed to examine. But fair Oakes to Teck-Hughes along the won-Buffalo and Detroit, have returned and Alderson, the senior member of the of some 1500. Dr. Alderson began with are most enthusiastic on what they derfu aw at Cobalt, Kirkland Lake and tact. derfully rich mineralized line of confirm, was for ten years president of play is a jewel of priceless value and one should not attempt to climb anthe Armour Institute and was for the first he Colorado school of mines, situated "We were pleased at what we saw at Golden in that great mining state. Mr. Baker is a graduate of that school, 10 years of its history identified with it other's ladder and even kick it from under his feet without remuneration "When I arrived at Cobalt a noin Cobalt and Porcupine, but Kirkland evi- Lake impressed us most of all, and it in an administrative and constructive way, dence and to a much higher degree and he certainly reflects great credit on his alma mater. He appears to be or even acknowledgment. There has would appear certain this will soon serving as dean of the institution. He had been altogether too 'much of this kind than was the case for at least two or become the next great gold producing thoroly versed in all the technic of mining and milling, and has also an of petty meanness. Play fair gentle-men. Flinging yourselves at capitalists the confidence and the closest co-operation three years," said Mr. Wills to The World. "In driving along the road to southeast Coleman it was very satiscentre in Northern Ontario," concluded on the part of the famous Armour family unusual knowledge of geology and the science of ore deposits. He has had by attempting to push aside some one in directing the work and building up this else savors too much of the execrable factory to see all the mining plants APEX MAKES STRIKE very extensive experience in the westmethods of the Hun. institution. operating full as well as to hear the ern states, but this is his first visit to S. R. Clarke. ON OPTIONED CLAIM various mills pounding away. "Our visit to the Adanac mine was orthern Ontario From Armour's Institute he was selected In company with your correspondent GOOD SHOWING AT HARGRAVE. entirely satisfactory, in fact, we were Drill Core Plentifully Spattered e has spent two days in Cobalt, and from among 60 applicants who were very much surprised at what we saw his itinerary also covers Kirkland The management of the Hargrave derground along the 300-foot level, With Free Gold. Lake and Porcupine. While here he mine at Cobalt states that they are

Inducement to Redevelop Representative of Big American Smelting and Exploraand Push Aggressive Exploration.

World Special Correspondent. Cobalt. Sept. 4 .- A few years ago some pessimists were predicting the early exhaustion of the great ore de-

RISE IN SILVER TO

STIMULATE OUTPUT

The Hargrave is getting some very rich ore, and it is about to begin the exploration of the lower contact between the diabase and keewatin from No. 3 shaft. Here a depth of 450 feet with some sible to work intelligently along con- has been attained, and a few feet more will reach this contact. diabase sill in this portion of the Co-balt silver region dips to the southward and therefore it is much lower down at the Timiskaming and Beaver than at the Hargrave, about three quarters of a mile further north. The great Kerr Lake mine has ob-

tained a good proportion of its ore from this same contact, and there are now very considerable reserves in this mous dividend payer. The Hargrave under the old regime

was not aggressively worked. It never had a chance, tho it adjoins and has the same vein system as the Kerr Lake. With the scheme of develop ment now planned it is likely to take a prominent place among the produc ers of this great camp.

of Leadville had been bottomed. Its end seemed right at hand, but a lower or second contact was discovered, and ultimately an horizon of enrichment still further from the surface, and now the formation there is different from

neering ability of modern and comprehen-

tion Company. **EXAMINED McINTYRE**

PROMINENT MINING

ENGINEER IN NORTH

Presence Believed to Betray Interest of Corporation in Porcupine.

From World Special Correspondent. Porcupine, Sept. 3 .- W. H. Yeandle, jr., M.E., who is now in Porcupine on behalf of the United States Smelting, Refining and Mining Exploration Co. has had wide experience in the United States, also in Mexico, Alaska and the west coast of South America. His employers were for a short time in terested in the Ebner property in Al-

land opposite Douglas Island and the once prominent Treadwell group. These properties were then being financea by the big mining house of Hayden Stone & Co., of Boston and New York. They have, however. failed to make good because of the very low grade of the ore. Mr. Ye-andle at the time made himself very unpopular with Jacking and his backers by pointing out that the estimated recovery of over \$1.25 per ton would never be realized owing to the method of mining which made it impossible to exclude a large amount of the country rock. This is exactly what did happen, bringing recoveries under \$1 per ton and the costs were less than the estimate the mines have failed to pay and a large amount of money has been lost by Mr. Jackling and those who shared with him the outlay on the ill-fated enterprise. Keen Insight.

excellent showings of free gold are to be seen at various places along this vein. I was informed by the manager that the vein had been thoroly sampled for a distance of eight hundred feet Many of the manager by cuiting views of our office and of the various min-Mr. Yeandle is bright, keen and ing interests with which we are already broad and even during his first visit to Porcupine he was able to grasp for a distance of eight hundred feet Many of the veins are of a fair size, by cutting moiled samples from wall running from two to ten feet or more to wall at every few feet along the vein, and it averaged \$10.40 per ton of milling ore. Mr. Rogers is now sinking a shaft to cut the ore body at one hundred feet. connected and with which we may become the whole situation without difficulty. To assist him in becoming familiar with the nature of the ore shoots in the camp he made a careful examinaassociated in the future. Boston and Montreal have a progrestion of the McIntyre Consolidated, passsive organization of chemists, under the at one hundred feet. Rock Formation. ing thru all the stopes from the 500 rant packing it out in dress suit cases direction of Mr. Arthur D. Little, an into the 1000 foot level, and it is under-The rock formation of this camp at a considerable profit. stood that he was very favorably imcorporated title, which is rendering the consists of both quartz, porphyry and syenitic porphyry, amygdaloidal basalts, felsites, rhyolites, and andesite schists ground with the same rock formation pressed with that big property. "They have got it absolutely," was his ex-United States and Canada valuable economic service in the department. of pressive remark on leaving the mine. The United States Smelting R. & Cut by intrusions of olivine diabase. One very noticeable feature is that the great Colorado gold, silver, zinc and lead field seems at its zenith. Tho M. Ex. Co., have large plants and mines in many parts of the United chemistry. I crossed over a section of this unwherever diabase intrusions occur, the staked territory to the north, and veins are generally more numerous found the rock formation the same as that found here it seems probable that Cobalt has still a considerable future, States and Mexico, and main offices We trust this departure of ours as a and richer in values. Many of the harger veins are either contact veins or veins cutting the formation, and have a north and south trend or north in New York, Boston, Salt Lake City, stock brokerage house will result in many and the present high price of silver and the present high price of silver San Francisco and El Paso, Texas. may stimulate developments of a most They are very conservative in their new undertakings here in the Province and have a north and south trend or north east and southwest trend. In the andesite schist above referred to are to be found numerous quartz indestruction in this camp. This country of fers exceptional opportunities for live prospectors. Suddury is the natural outfitting the Dominion which require mining engi-

OR several weeks we have been stating from time to time that we were in search of mining engineering talent which we would add in a permanent consulting capacity to our office organization

It gives us pleasure to be able to announce the selection by us of an engineering, metallurgical and mine administration firm which meets the exacting standards which we had chosen to set up for our requirements.

This firm is Messrs. Alderson, Baker & Gaeblein, of Boston, Massachusetts; Boise, Idaho, and Toronto. This firm is now engaged with us in the capacity of consulting mining engineers and metallurgists.

We are doing our utmost to bring capital into the Canadian north country for the development of its great mineral and natural resources, and by the same token we feel called upon to bring technical talent here also.

The members of this firm have become greatly interested in the possibilities of Ontario mining, with Toronto office in Standard Bank Building, and they will endeavor to have a man on the ground here every day necessary in serving in their capacity when called upon the great and growing needs of this section of the country. Having a large organization which specializes in all the departments of mining, they feel that they will be able to meet the

Some three or four years ago Dr. Alderson resigned his position as president of the Colorado School of Mines in order to give more of his time to his profession and to mine development work. Since leaving the school it has lapsed into difficulties." and the doctor has been urged and persuaded to again accept the direction of this important institution with the understanding that this position shall not interfere with his connection with our house or other professional duties.

Since he has been called back to the work which suffered so much from his absence it is unnecessary for us to say more concerning his efficiency and fidelity in discharging that trust. Since he has been begged and urged to take up the direction of the school again with a free hand and on flattering terms, it must be admitted that his stewardship speaks for itself.

Dr. Alderson enjoys in a rare degree the confidence and support of strong banking, financial and professional circles, both East and West. His credentials come from such men as United States Senator C. S. Thomas, of Colorado; Representative Edward T. Taylor, of Colorado; State Representative and Chairman of Mines and Mining Thomas Tonge; former United States Senator Simon Guggenheim, chairman of the board of directors of the American Smelting & Re-fining Company, and United States Senator and former Governor John F. Shaforth. The return of Dr. Alderson to the presidency of the Colorado School of Mines is causing his host of friends to mention him prominently in connection with the Gov-ernorship of Colorado.

The other members of the firm are young men, but men who have already won their spurs in the mining field. Dr. Alderson says: "In organizing my firm for general engineering practice ! selected three mining engineers, all of whom were technical graduates and had also graduated from the University of Hard Knocks through intimate acquaintance with the actual work of mining and mill practice and of geological field work."

Hamilton W. Baker, M.E., is a graduate the Colorado School of Mines, who has had extensive general experience in Colorado, Nevada, Utah and Idaho. His sp cialty is ore genesis and geology.

After a good night's rest and a first After a good night's rest and a first Tate breakfast of trout and other good things we started out to explore the and hundreds of ducks of various and hundreds of ducks of various the gold which is hard to see the gold which is hard to see the gold so nour way down the river from the gold so nour way down the river from

examined by a special committee and invited to take the presidency of the Colorado School of Mines at Golden, Colorado, a school with a half century of history, a history practically co-extensive with that of the "Centennial State" itself. He spent 10 years in building up this institution from assets of \$225,000 to \$850,000 and rendering the State inestimable service in treating its complex and rebellious ores. He visited the continental countries of Europe and England in meeting their great technical mining men and securing data for the building and installation of an ore-dressing plant at Golden which is one of the models

John M. Baker, M.E., his brother, is a graduate of the University of Buffalo. He took post-graduate work at the Colorado School of Mines. He has had extensive experience in New Mexico, Oregon, Idaho and Montana. His specialty is mining machinery and operation. The Messrs. Baker had notable practical experience at Cornu-' copia, Oregon, where they developed and put on a highly profitable basis the Cornucopia Mines Company and the Baker Mines Company.

Paul W. Gaeblein, M.E., is a graduate of the Columbia School of Mines, New York. He has had two years' experience at the Golden Cycle mill, Colorado, an \$8,000,000 dividend-payer, and at Cornucopia, Oregon, where he designed and erected the mill, besides having a large amount of other practice in mill designing and operation. His specialty is mill work, and all of his mills have been successful and have done what was claimed for them,

Dr. Alderson says: "The work of these three associates has been successful and remunerative, especially in the work of developing and putting mines on a paying basis, as well as increasing the officiency of mill operations and a maximum recovery of values."

Mr. Hamilton W. Baker arrived in Toronto a week ago and is now in the north country visiting the principal camps and mines. We expect a report from him, collaborating with Dr. Alderson and conferring with the other members of his firm, cover-ing the properties of the United Kirkland Gold Mines, Limited, and in a general way the Kirkland Lake gold camp. This report will be made public as soon as it is avail-able, which should be in the near future.

We bespeak for this firm and its several members, with their excellent personnel, the glad extended hand of fellowship from Canadian mining interests and investors and predict that they will become efficient coworkers in developing our local mining resources and in attracting with their recommendations capital to this country.



current market somewhere from 95c tober will be eventful ones at the Smelting, Refining & Mining Company is steadily testing out the extension o \$1 an ounce. The months of September and Oc- Newray mines, where the representa-tive field engineer of the United States properties. The Newray management ern side of the properties.

which ran from two to five feet in width on the surface have run into and being developed by the Fidelity the main vein at depth. Mining and Development Co., adjoin-The Apex Co. has a working option on this property which expires next Township. The amount specified in the option for the acquisition of the claim of \$5.40 per ton.

An interesting development in the Toronto mining market this week has districts from Kirkland Lake to Por-At present the company is shipping

ing. A week ago bids were ranging around 32, with no sellers. Early this week bids were ranging should have an exceedingly good

PRICE OF SILVER New York, Sept. 5.-Bar silver,

London, Sept. 5.—Bar silver, 481/d per ounce.

The surface showings of this vein very promising in free gold, and Managing Director John Tough reit has been found that three veins ports that an important discovery was made yesterday on the claims owned

defined vein, and in an average sam- the ton. The management has made

been the advance scored by the Da- cupine, and out of this extensive acre-

the mining camps of Northern at 39. Yesterday the price rose fur-Ontario, subscribe for The North- of the mine have in recent months n Miner, Cobalt, Ont. Canada, \$1.50; U. S., \$2 per and the fact that they were well impressed with developments is indicat-

ed by the manner in which they have

understood to be low. DAVIDSON MADE GAIN.

about 1,000 to 1,200 tons a month

from the dump to the Dominion Reduction Company. Since the manage-ment took charge last November, after a three-year suspension, the trea

sury has been built up from \$23,000 to around \$33,000, besides spending some \$2,000 on new machinery and equipment. This includes some \$.000

cunces of ore in transit, which the management expects to realize in the

to \$1 an ounce.

tobe footbern mine NOR THERN **ONTARIO'S** vidson Gold Mines on very light trad-WEEKLY week bids were raised steadily until If you want reliable news of all a sale for a small lot was registered

held on to their stock.

Some of the nicest drill core samples

to be seen in Toronto have been sent

under option to the Apex. The drill,

which was started some time ago, cut

a fifteen-foot vein at the seven hun-

schist, show free gold plentifully spat-

tered thruout the formation.

July.

The samples, which are of quartz and deposits of the camp.

down from the Bilsky claim, which is district, and it is attracting wide at-

dred-foot level, and assays of the core ably spend three or four days here, run from \$3,000 to \$5,000 to the ton. and will thoroly investigate the ore

intends to make a very careful ex-amination of the United Kirkland and

several other properties. This is now recognized as a very promising gold

tention in the United States. Mr.

FIND IN KIRKLAND LAKE.

This new discovery is a strong, well running as high as 1,500 ounces to

ing the La Belle Kirkland in Tecr the northeast claim. Some values

connects the Nos. 1 and 3 shafts. This work is in the diabase formation in

working between 25 and 30 men in the

Nos. 1 and 3 shafts. On the 125-foot

level at the bottom of the No. 1 shan

the high-grade showing was encoun-

have been taken out in this section

ploratory work on the 255 level, which

mediately below the section in which the old company took out ore from the 125-foot level to the surface. The management is doing considerable ex-

Baker's visit is a very satisfactory tered at the bottom of the drift, about proof of this statement. He will prob-20 feet from the shaft. A bunch or ore was taken, out running around 1.800 ounces. This ore is located im-