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The Chief Secretary of the Chinese Imperial Railway Talks of the Railroad Development of the Future.

The Bailway Administration and Its Head-The Successor of Li Hung Chang -Great Trunk Lines of North China-The Belgian Road from Peking to Hankow-An Anglo German Scheme and the New Road From Klauchow-The American Syndicate and What It is Doing-British Roads for Southeastern China-The French Railways to the Big Copper Mines-The New World of Western China--The Trade Centers of the Future-flow the Chinese Regard Railroads in 1904.

SHINGTON, D. C., July 5. -I give you today an interview which I have just had with Mr. John C. Ferguson, the chief secretary of the Chinese imperial administration. railway This is practically the min-

Interior of railways of the Chinese govern-ment, with which all the home and foreign syndicates have to deal. The ministry has the same place as one of our great government departments, and its head, who ranks about as a subtrat affeor is Shang Kung-pao, one and its head, who ranks about as a cabinet officer, is Sieng Kung-pao, one of the ablest, wealthleat and most prog-ressive of Chinese statesmen. Sheng is, in fact, the successor of Li Hung Chang as far as international standing is concerned. Born wealthy, he has al-ways been largely interested in the leading commercial enterprises of the empire. He was one of the original stockholders of the Chinese Telegraph company, was for many years the di-rector general of the Chinese Merchant Steam Navigation company, and was, Chang as fur as international standing is concerned. Born wealthy, he has al-ways been largely interested in the leading commercial enterprises of the empire. He was one of the original stockholders of the Chinese Telegraph company, was for many years the di-rector general of the Chinese Merchant Steam Navigation company, and was, up until the time of his father's death, when he retired to go into mourning, minister of commerce, having been rade such on the death of Li Hung Chang, Sheng Kung-pao owns the larg-est cotton mill in Shanghai, and he is also director general of the Hanyang tron and steel works, with which are

"I have understood that another line is being built from morth to south, mearer the sea."

"You refer, I suppose," was the reply, "to the concession given to the Anglo-German syndicate. That line has been German syndicate. That line has been planned, but construction has not yet begun. It will run from Tientsin down through the western part of the Shan-tung province, along one of the old freight routes, until it strikes the Grand canal, and will then go along the banks of that canal to Chinklang on the Yangtse river. That project is a very important one, for the road will form one of the great trunk lines con-necting the northern trade of the em-pire with that of the Yangtse, and its traffic will be equalled only by that from Hankow to Pekin. "That road," continued Mr. Ferguson, "will connect with the line which passes through Chinan-fu, the capital



SHENG KUNG PAS, Director General of the Chinese Imperial Railway.



RAILROAD BUILDING IN CHINA IN 1904.

(From a Photograph Secured for the Deseret News by Frank G. Carpenter.)

a number of railroads either building, surveying or in prospect. One trunk line will go southward from the Yangtse, connecting with the anglo-German syndicate line. It will be constructed from Nanking to Shanghai. It is to be built by a British corporation and that soon. Indeed, the line is now being surveyed preparatoy to beginning its construction. This road will pass through some of the most populous parts of China. It will connect Shang-hai and Nanking with Suchow, and it will probably be extended southward to Hangchow, another great city, one of the centers of the silk trade. It will be an especially interesting line to fora number of railroads either building, be an especially interesting line to for-eigners, as it starts from Shanghal, the

city at which all tourists call. The road from Shanghal to Wusung, which the Chinese have already constructed, will form a part of it."

WHAT THE FRENCH ARE DOING. "But, Mr. Ferguson, have not the French some Chinese railway conces-

sions?" "Yes, they have extended their lines from Tonking, their great province south of China, across the borders of Yunnan and Kuelehow. These two Chinese provinces are noted for their mineral deposits. They are rich in coal and iron, and they have great copper mines, out of which for thousands of years the conner cosh used all over years the copper cash, used all over

China, has come. The country is very rough and mountainous; but its mineral resources are such that the French line will pay."

OPENING UP A NEW WORLD.

"But how about western Chins, Mr. Ferguson-I mean the country beyond the gorges of the Yangtse-Klang?"

"That is a very important region, and It is comparatively unhortant region, and the rest of the world. It has a rich soll and vast mineral wealth. There are a number of syndicates which have been endeavoring to secure concessions for railroads there, and especially for a word to go from Warkow up through road to go from Hankow up through

trade center of the Szechuan province, and on to Chengtu, the capital. This country has been cut off more or less from the rest of China by the mountain ranges which border it on every side. It is true that both the Yellow river and the Yennet has been their sources and the Yangise have their sources in that region, but their course through the mountains is so full of rapids that navigation has been impossible and the country has had to hve upon itself."

the mountains to Chungking, the chief

"Will not the rallroad aid greatly in bringing the Chinese people together?" 'Yes, they will probably result in it "Yes, they will probably result in it breaking up of the dialects in the vari-ous districts, in uniting the people of the various provinces, and in creating a national spirit. The empire has been so divided by natural barriers, by dif-ferences of language and by the lack of intercommunication that the various provinces seem as different as the states of Europe. When the railroads, now provinces seem as interent as the states of Europe. When the railroads, now projected, are in operation, the several elements of the Chinese nation will be-gin to know one another better, they will become firmly united in business and trade and the unity of the empire will be on a much firmer basis."

"Where are to be the great railway centers of China?" I asked.

"It would seem that they will be sit-uated where the chief trade centers are now," said Mr. Ferguson. "First, take Canton. It has been a trade center for Canton. It has been a trade center for hundreds of years and as the terminus of the trunk line from Canton to Han-kow, it will grow more rapidly than ever. It is situated near Hongkong, where the most of the imports from Europe and some of those from the United States are now entered, and it will continue to be a great distributing point for that place. point for that place. "Going northward, Shanghai will

hold its own as a trade center in the railway development of the future. It is so near the sea that nearly all the hig ocean steamers call there, and it is the terminus of the steamboat traffic on the Yangtse and of the steam launch traffic of the vast system of canals from the region about. It is alcanals from the region about. It is al-ready a good manufacturing place and its mills will grow in number and size. Another center will be Hankow, which might be called the Chicago of the fu-ture China. It lies almost as far inland as Chicago, and it has the broad and deep Yangise Kiang connecting it with the sea. It will be midway on this trunk line from Pekin to Canton, thus

giving it railroad communication with giving it railroad communication with nine of the provinces of central China. Hankow has two sister cities. Wuchang and Hanyang, which are of great size. There are already cotton mills the and large iron and steel works. In the north Tientsin will be the chief trade center, and from it roads will radiate in every direction. Since the Boxer trouble it has been growing by leaps and bounds; the old city wall has been taken away, and a broad carriage road has been made in its place. Indeed, Tientsin will always be one of the chief trade centers of the empire."

chief trade centers of the empire." "Just one word more, Mr. Ferguson," suld I. "Are not the Chinese changing in their opposition to railroads?" "To a great extent, yes." replied the chief secretary to the railway admin-istration. "Those of the people who have had an opportunity to use the railroads realize their advantages and are anxious to see the construction go on. As soon as a road is built people of all classes, officials, merchants, farmers and workingmen, take advant-age of it and it is patronized in every of an classes, officials, merchants, farmers and workingmen, take advant-age of it and it is patronized in every way. During the Metropolitan exam-ination heid last year at Kaifeng-tu, the capital of Honan province, thous-ands of students used the railway from Hankow northward to Sinyang, the then terminus of the line. At Sinyang they had half of their journey yet to make and the only means of travel was by mule carts. They found that the second half of their journey would cost them from 20 to 20 times more than the first half, and that instead of having comfortable carts through the ratin over almost impassable roads. As a result 5,000 or 6,000 of the students refused to undergo the hardships of the rest of the journey and went back by rail. Those students 10 years ago might have written essays against rail-road introduction as a plece of foreign road introduction as a piece of foreign impudence. Today they will be among the most ardent advocates of our mod-ern methods of transportation.

ern methods of transportation. "No," concluded Mr. Ferguson, "I think the better class of the Chinese are now in favor of the railroad de-velopment of the empire. There will always be more or less opposition at the start from the people owning prop-erty through which the lines are to run, but this is an incident of construction rather than a fixed opposition to rail-road development." road development.

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connected large mining interests in coal

and iron. Mr. Ferguson is a Massachusetts man, who went to China shortly afte man, who went to China shortly after his graduation at the Boston university to be president of the Nanking univer-sity. He acted as such for 10 years and then took the presidency of the Nan Yang college at Shanghai, which was founded by Sheng Kung-pao. While there he so aided the Chinese in important negotiations with the foreign provers that they persuaded him to powers that they persuaded him to give up his educational work and enter powers that they persuaded nm to give up his educational work and enter the service of the government. For the past two years he has been connected with the commission for the revision of treaties between China and foreign countries, and he is now a part of the imperial railway administration. He has come to this country on behalf of that administration, and has, I am told, been very successful in his mis-sion. He knows all about the modern movements in China, and perhaps more than any other American about the new projects for railways there and the prospective railway development of the empire. In response to my question, Mr. Fer-guison said:

said:

gueon said: "The Chinese government has for some time realized its need of railroads, but it has not been able to raise suf-ficient capital to construct them from among its own people. It has had to borrow, and in order to do so has been obliged to issue government bonds and to moritage the railways projected to to mortgage the railways projected to the syndicates constructing them. This has required time, and the country is has required time, and the country is far behind in its railway development. Some small lines have been construct-ed, and such lines are profitably man-aged. One line runs from Shanghal to Wusung, and others connect coal mines with the waterways. These have been built with Chinese capital, but the great trunk lines are yet to be made, and they will be constructed on bor-mwed capital raised by issuing gov-ernment bonds."

NORTH CHINESE RAILROADS.

"But there are already a number of ads in northern China, Mr. Fergu-n," said I.

son," said I. "Yes, there is a line running from Tientsin to the Kalping coal mines and to Shanhaikwan, at the end of the great wall, and also one from Tientsin to Pekin. The first road to be opened was to the Kalping mines, connecting those mines with Tientsin and the mouth of the Peiho river, That line has been in operation for nearly ten years, and it has now been pushed on north-ward so that it connects with the Chi-nese-Eastern railroad, which comes down through Manchuria from the down through Manchuria from the Trans-Siberian road to Port Arthur. This same road goes via Tientsin to Pekin, so that one can travel directly from St. Petersburg to Pekin by rail. It gives Pekin railroad connection with every part of Europe.

"Another important railroad in north China," Mr. Ferguson continued, "is the line from Pekin to Hankow. This great trunk line is being built by a Belgian syndicate. It was extended Belgian syndicate. It was extended from Pekin to Pao Ting-fu before the Boxer outbreak, and it has since been built as far south as the Yellow river. The Belgians have been also working on the construction from Hankow northward. More than half of that part of the line is completed, and it is expected that it will reach the Yellow river by the end of the present year. Then there will be a direct line from Hankow to Pekin, broken only by the Yellow river. This will have to be bridged, and plans for the bridge have been prepared, although the actual work of bridge construction has not yet been commenced. The Yellow river has often been called 'China's Sorrow.' It is noted for its shifting sands and its changing course, and it will be dif-ficult to properly bridge it. It will be done, however, and we can then send cars from Hankow to any part of Europe."

12 to 15 days. It used to mean a jour ney of about one month for the officials of Chinan-fu to go to Shanghai or Tien Tsin. They went to the port of Chefoo and then north or south by sea. They and then north or south by sea. They can now make the same journey in three or four days. This German line, already constructed, passes through the coal fields of Weihsien, giving their deposits an outlet to the sea. It also goes by Talshan, the most noted of China's sacred mountains, and passes near the old home of Confucius. There is no people fonder of making pilgrim-ages to religious shrines thau the Chi-nese, and this road will have a big traf-fic through the native tourists and pilfic through the native tourists and pli-grims. It will attract thousands to these classic regions, especially when the Anglo-German line is completed. Heretofore this country has been prac-Heretofore this country has been prac-tically shut out from the rest of the world because of travel difficulties." "How about the railroads of south-ern China, Mr. Ferguson?" I asked. "The region south of the Yanktse Kiang is the most fertile and, I might say, the most thickly populated of any part of China. In many of its sections say, the most thickly populated of any part of China. In many of its sections the farmers are able to gather three crops every year from the same soil. The country is cut up by a series of canals, which carry the waters of the Yangtse far down into the heart of the recommended for the section of the ranging the rate and the the near to the provinces, forming an immense system of irrigation. The land is so flat that the Yangtse waters can be thus trans-ported many miles, and the canals serve not only the purpose of irrigation.

but also as trade routes and farm roads. There are tens of thousands of small boats upon them. The farmers carry their produce to market in boats, and the merchant thus sends his goods to all parts of the country. These ca-nals will be feeders to the trunk lines, and they will be as valuable as branch lines are to our railroads. The farm-ers will take their produce to the railway stations in boats, just as our farmers take theirs upon wagons.

"The lines planned to open up this rich country," Mr. Ferguson continued, "are naturally laid out so as to con-nect with the trunk lines on the north of the Yangtse. One of the chief onesof the Yangtse. One of the chief ones-indeed, I say the most important of all -is the concession of the American-China Development company to build a trunk line from Hankow to Canton, thereby connecting the chief industrial and some of the most fertile parts of south China with the trunk line from Hankow to Pekin, of which I have al-ready spoken. This road will start from Wuchang, the capital of the province of Hipeh. Wuchang is situated directly opposite Hankow and for that reason the line is called the Canton-Hankow line, or in Chinese the Yueh-han line. This road runs through three provinces, connecting three great capital cities, connecting three great capital cities, all centers of official and commercial life. Canton, for instance, has a popu-

lation of a million and a half, and it is the busiest city in China. It is close to Hong Kong, the chief British seaby Hong Kong, the chief birtish sear-port of that part of the world, and it is so connected by waterways that it can send goods to all parts of the province of Canton and by the West river and its canals into Kwangsi. In addition to the manufacturing and agricultural possibilities of this country, are the large mineral deposits which are found along the line of the Canton-Hankow road. The land is rich in coal, fron, copper and antimony. Indeed, the copper and antimony. Indeed, the greater part of the antimony of the world now comes from that locality." "When will this American road be completed?" I asked.

completed," I asked. "I think the work will be steadily pushed," said Mr. Ferguson. "About 40 miles of track have already been built northward from Canton. Further construction work is now being done, and if this is carried on with vigor the line should be finished within four or five year. It ought to be very profit-able." able

'But there are important lines further east, are there not?" "Yes," said Mr. Ferguson, "there are ing opportunities that have ever come under your observation. It's a stern necessity event that forces us to make final clean sweeps throughout the store in order to make the clean-up effective, striking and decisive.

