

SUGAR BEET INDUSTRY IN GERMANY. Vice-Consul Murphy Sends in Comprehensive Report.

CONVENTION HELD AT MADDEBURG. EVERY PHASE OF THE SUBJECT WAS VERY FULLY DISCUSSED.

German Growers are Carefully Investigating the Conditions of Sugar Production Throughout the World.

(Staff Correspondence of The Republican.)

Washington, D. C., July 28, 1900.

The state department gave out today two reports from George H. Murphy, United States vice consul at Maddeburg, on the subjects of "German beet sugar industry and Germany's sugar exportation." He says that the fiftieth annual convention of manufacturers and others interested in the German sugar industry was held at Maddeburg on May 29 to June 1, 1900. In connection with this convention there was an interesting exposition of sugar machinery, showing all recent improvements and inventions. Five hundred and ten members of the sugar union were present, representing one hundred and seventy-three factories. He reports that some of the most interesting matters discussed were the following:

"The imperial law regulating trade in artificial sweet stuffs, which was intended to restrict the sale of saccharine, has had an entirely contrary effect; for, according to the statements of saccharine manufacturers, the saccharine product last year was equivalent in sweetness to over 1,000,000 centners (50,000 metric tons) of sugar. Consequently the consumption of over 1,000,000 centners of sugar was prevented, causing a loss to the imperial treasury of 10,000,000 marks (\$2,380,000)."

"The imposing of a tax on saccharine and the requirement by law that it be sold as a drug are accordingly demanded with justice by the sugar industry. Unfortunately this question cannot be brought up for settlement prior to the next meeting of the reichstag."

"The discovery of saccharine and other sweet stuffs has caused some sugar producers much anxiety, and it is feared that still other similar substances will in the future be discovered by chemists. Furthermore some manufacturers are afraid that a method will eventually be found by which beet sugar can be produced synthetically. Neither of these dangers need, however, be feared at present. It is entirely unlikely that it will ever be possible to produce from pit coal or genuine sugar in large enough quantities and sufficiently cheap to seriously injure the sugar industry. Farmers may also find comfort in knowing that, while it is not impossible (in view of the rapid advance now being made in chemical knowledge) that a process may be found for producing genuine beet sugar artificially, it is nevertheless certain that when the synthesis of sugar is discovered, carbon hydrates will be needed as material, especially in the form of starch. Being so cheap, even if a sufficiently cheap process be found, the only result will be that other plants containing starch, the potato, for instance, will compete with beets as raw material in sugar fabrications."

"Another matter which is considered very important is that Polish laborers who enter Germany every spring should not be compelled to leave the country before a fixed date, which should be the same in all parts of the empire. Farm hands are so scarce that difficulty is experienced in raising enough sugar beets to supply the demand of the factories. The government has accordingly been asked to establish a general rule permitting such useful aliens to remain in the country each year until the end of December." "Condition and Development of the Cuban Industry." An interesting report on this subject was read by Governor Tai, privy councillor, Prof. Dr. Paasche, member of the reichstag, who has recently studied conditions in Cuba. Dr. Paasche took the ground that the German sugar industry is a world industry in the strictest sense of the term, and that its welfare is therefore dependent upon the maintenance of the position which it now holds in the world's markets. All measures adopted for the purpose of influencing the home market, no matter how important they may be, will not, therefore, alone suffice to keep the industry in a healthy condition. German sugar producers must continue to keep their eyes fixed on all competing lands. Dr. Paasche's visit to the United States and Cuba was solely for the purpose of ascertaining if dangers threatened the German sugar industry there. He thinks that if Cuba were annexed to the United States and the Cuban sugar industry enjoyed the advantages of the American customs tariff, thereby securing increased prices, American capital might be attracted by the increased profits of the business.

"The only thing for the German sugar industry to do," he says, "is to face these dangers with united forces, continuing its present policy. Thus, in spite of whatever may happen, Germany will be able to maintain the topmost place which it has now gained."

Another question considered by the conference was: "Is it advisable from time to time to send an expert to the various sugar producing countries to prepare reports in regard to crop prospects and existing conditions?" This question was practically decided in the affirmative, though it was thought best to do this only occasionally, and when there is some special reason for such action.

"The influence which chemistry has exerted upon the production of sugar has been very great and has rendered possible the victory of the beet over sugar cane, the production of beet sugar in the world being now twice as large as that of cane sugar. No existing industry is subjected to such thorough and scientific control as is the German beet sugar industry. In Germany sugar factories there are now em-

ployed about one thousand chemists who give their undivided attention to furthering the interests of the industry. This trained personnel is of the greatest importance.

"The production of sugar from molasses has been of great importance to the industry, and it first led to the employment of chemists. The utilization of waste materials in the manufacture of by-products has also had a beneficial effect. By cooking molasses dress, after the removal of the sugar, a potash is won which is preferred to all others in the soap industry. From the parts of the same material which contain nitrogen, cyanide of potassium is also produced. This substance is much used in modern gold mining in the Transvaal, and also to a growing extent in the United States. It is believed that a method will be found sooner or later for using electricity in the clarification of beet juice."

"Discussing sugar exportation, the vice consul says further: "Germany's exportation of raw sugar has always exceeded that of any other European country. In the exportation of refined sugar, however, it was third down in 1881-82."

"In the eleven years which have elapsed since 1889 Germany's exportation of raw sugar has increased from 249,210 metric tons (2294.5 pounds) to 652,531 metric tons, the amount being largest in 1897 (681,516 metric tons), when the United States took 267,391 metric tons before July 24, the date on which the new customs tariff went into force. This amount exceeded Germany's entire exportation of raw sugar in 1889, and was twice as much as was shipped to the United States during the entire year of 1899. The principal sugar of German raw sugar prior to 1897 was Great Britain, which in no year took less than 200,000 metric tons. The sale of German raw sugar in British North America is of great importance, having increased considerably during the past three years. The exportation of leaf sugar has recently increased considerably, owing especially to the magnitude of the English demand."

"Although the exportation of German raw sugar to the United States is very great, there is small demand there for leaf sugar, the amount sent in 1895 and again in 1896 being only 10,000 metric tons, while in 1899 it was only 84 metric tons. This was caused by high customs duties in the United States. The market conditions in Japan, Norway and Switzerland are now especially encouraging, each of these countries taking more than 10,000 metric tons of German leaf sugar annually. There has been a marked falling off in shipments to Holland, Chili and British India. This falling off is particularly noticed in shipments to British India, as large quantities were exported to the country annually between 1893 and 1898. The amount sent to Italy is inconsiderable. Of other sorts of sugar only comparatively small quantities are being exported, the principal purchasers being Great Britain, Norway, Portugal and Uruguay."

"THE LATE UNPLEASANTNESS."

The Confederate veterans in their annual convention in Louisville decided that the war of 1861-65 should be known as the "war between the States." This is the name that Alexander H. Stephens favored, and it is the one generally used by the people of the South in speaking of that war, the Northern people calling it the rebellion. Strange is it that neither name is a correct definition of the event. All know that there was no rebellion. States that had sovereignty could not be guilty of rebellion. Neither was it a war between the States, but actually a war between two governments made up of the States. Some writers call it a civil war, but it was not a war between citizens in their civil capacity, but, as before said, a war between regularly organized governments. There is, in fact, no concise way of naming the conflict; hence these misnomers. Possibly the best title would be the simple one of calling it by the years of its beginning and close, namely, the war of 1861-65.—Mobile Register.

ADVERTISED LETTERS.

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PACKAGES.

Jones, Wm T; Newkirk, R S; Andrews, Miss MA; Allen, Miss Helen; Anderson, Miss MA; Bartlett, Miss; Dickerson, Mrs C; Elliott, Mrs W E; Fehlber, Mrs Capt; Grace, Mrs Mary; Graham, Mrs J G; Hutchinson, Miss C; Hingle, Mrs; Jones, Miss; Lester, Mrs; McGuire, Mrs T; Rhoades, Mrs S J; Reid, Mrs B S; Robins, Mrs E E; Sinclair, Bertha; Smith, Mrs M L; Yardley, Mrs JW.

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The petition and accounts of the temporary administrator of said deceased, having been filed, wherein he asks that his accounts be examined and approved and that a final order be made of distribution of the property remaining in his hands to the persons thereto entitled, and discharging him from all further responsibility as such temporary administrator.

It is ordered that Friday, August 31, A. D. 1900, at ten o'clock a. m., at Chambers, in the courtroom of the said court at Honolulu, Island of Oahu, be and the same hereby is appointed as the time and place for hearing said petition and accounts, and that all persons interested may then and there appear and show cause, if any they have, why the same should not be granted.

By the Court: JAMES A. THOMPSON, Clerk. Honolulu, July 30, 1900.

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