

MEMBERS OF HAWAIIAN ENGINEERING ASSOCIATION, WHICH IS HOLDING ITS ANNUAL CONVENTION IN HONOLULU



MILL ENGINEERS STUDY PROBLEMS

First Business Session of Their Convention Arouses Interest

(From Tuesday Advertiser.) Welcomed and made welcome during their Saturday and Sunday convivial gatherings and lunquets, almost a hundred mill engineers assembled in the Library of Hawaii building yesterday morning for the opening of their business sessions, which will last until this evening.

ENGINEERS CLOSE ANNUAL MEETING

With music, laughter and good fellowship the members of the Hawaiian Engineering Association and their guests last night celebrated the twelfth annual gathering of the association in a splendidly arranged banquet at the Young Hotel, treating the invited guests, applauding the entertainers, amateur and professional, and enjoying all the strange courses of a banquet which began with "Exciting Currents in 11,000 Volts" and ran through Nuts, Bolts and Washers, Steam and Smoke.

RAILWAYS DESIRE TO RAISE RATES

Interstate Commerce Commission Denies Managers Petition Based on Loss Business

WASHINGTON, October 20.—(Associated Press by Federal Wireless.)—The management of the Eastern railroad systems, claiming that their revenues during the past three months have shown a shrinking of \$78,000,000, as a result of the general depression to business from the war, have asked the interstate commerce commission for the privilege of raising freight rates five per cent. The railroads were represented by a number of the managers, who presented their request to the commission yesterday.

STEAM ROLLER RUNS AWAY, HURTING DRIVER

As a result of attempting to stop a runaway steam roller yesterday morning, William Davis, a municipal employee, is at the Queen's Hospital with a broken leg. The accident occurred in Nuuanu avenue, where road work is under way. In some unaccounted manner the ten-ton roller got away, headed downhill. Davis dashed for the machine and mounted to the controlling gear. The gear was out of order and Davis was unable to keep the roller on the roadway. The machine struck a telephone pole, which it wrecked. In the mixup Davis was thrown to the ground.

Substitutes for Cloth "There have been many substitutes for cloth in these filters, among the first being bagasse, but this was not a success, because of the dirt carrying it back and forth from the mill.

Officers Are Re-elected The banquet was the sequel to the twelfth annual gathering of the engineers of the Territory, whose main business was the election of officers for the coming term. The association demonstrated the appreciation the members feel in the good work of the officers of this year by electing them unanimously for a second term, these being R. Renton Hind, president; W. G. Hall, vice president; Frank O. Boyer, secretary; and Irwin Spalding, treasurer.

Exciting Currents in 10,000 Volts Amalgamated Circuit Breakers Washers Cream of Cresote 11" Diameter Filtered Bone Char, Via Bunsen Gravelled Packing on Box High Tension Juice and 25% Overload Resistor Duxbury Keys Dowel Pins With Feathered Keys Conjugated Fly Balls Gold Leaf in Belt Dressing Ammoniated Albany Grease 45° C With Insulation Low Voltage Grounds on Maluco Steam Smoky

With a few words of welcome from R. Renton Hind, chairman of the Hawaiian Engineering Association, under whose auspices the convention is being held, accompanied by a forecast of the problems confronting the engineers, the business of the session was reached. H. S. Truscott reading a paper on field machinery. Two other papers were read in the morning session.

Work of Year Executed It was the clearly expressed opinion of the members of the association that the work of the year had been in excellent hands and that the signal success of the convention of the mill engineers and of the annual meeting of the general body, as well as of the banquet that brought everything to an end, was due in very large part to President Hind and his loyal and hard-working officers.

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Only one paper was read in the afternoon, that on milling, though three were scheduled. The discussion following the reading of this paper was so lengthy that it was time for adjournment before it ended. Consequently, the other two papers will be taken up this morning.

Mr. Meinecke's paper on "Sugar Room Machinery" was of especial interest. In it he suggested the abolition of the sugar bag, thus saving the evaporation, large sums of money annually. Extravagance of Sugar Bags The following are his paragraphs dealing with this suggestion:

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The delegates went in session at eight-thirty o'clock in the morning, took a recess of two hours for luncheon, met again at two o'clock, and did not adjourn for the day until after five. At the Bijou theater last evening, it was "engineers' night." A session was, especially reserved for the engineers.

Among the special guests of honor at the banquet was Governor Pinkham, who occupied a seat at the head table, with President Hind on his left and A. G. Bartley on his right. The others at this table were E. M. Swamy, C. Meisner, J. E. Sheehy, W. G. Hall, Wallace R. Farrington and R. O. Matheson, Clever Vaudeville Following the banquet a very clever vaudeville program was rendered, the first numbers by some of Honolulu's amateurs and the concluding numbers by some of the principals of the Clarence Company, now appearing at the Bijou.

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Again this morning the delegates will meet at the Library of Hawaii building for the final day of the convention. After the papers have been read, the engineers are to be taken to the gas works and the Hawaiian Pineapple Company's plant for an inspection. In the evening there will be an election of officers for the coming year, and reports of the outgoing officers. A banquet at eight o'clock in the Young Hotel will mark the close of the convention.

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Possibly the lengthiest and one of the most interesting papers read so far was on milling, which was prepared by James Ong. Its length makes it impossible to quote here. It is illustrated with numerous designs and drawings. The article deals separately with many of the problems incident to milling, treating them in their technical aspect.

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The following is taken from George Dunstan's paper on filter presses:

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The simplest and earliest form of juice filters consisted of a cloth bag, into which the juice was poured, the clear juice passing through, the impurities being left behind. The results, however, were far from satisfactory, the filtration being from the inside, the finer impurities were driven through the cloth. The bag in a short time became filled with scum. The next type to be tried was that in which the filtration took place from the outside to the inside.

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In this type the filter consisted of square or round iron vessels with an iron cover bolted on. The vessel was divided into a certain number of chambers lined with cloth and kept apart by perforated plates, and so constructed that the juice could not enter those chambers without passing through the cloth. The impurities sank to the bottom of the filter and the clear juice was drawn from the different chambers through a suitable drain pipe. However, the cloth would not retain all the fine floating impurities and in next cases the use of juice filters have been abandoned, the juice being evaporated and filtered.

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TO CURE A COLD IN ONE DAY

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure.

E. W. Grove's signature is on each box. The application of electricity to the human body has been very rapid, while in others it has been the reverse, not always because there were many difficulties to overcome, but mainly because it was a change from the regular procedure, and did not appear to be right.