# THE DAIRY. WORLD'S FAIR DAIRY TEST NO. 2.

### Ninety Days, for Butter. Correspondence of the Progressive Farmer.

This test extended from May 31st to Aug 28th, both inclusive. The number of cows entered in the test was 75 comprising 25 Jerseys, 25 Guernseys and 25 Short Horns. One of the Snort-Horn cows, which had not calved at the beginning of the test, died in calving. and, by the rules according to which these tests were conducted, no provision having been made to substitute an other another animal, the Short Horns competed with 24 cows through the entire period of the test.

This, as well as all other tests con ducted at the World's Fair, was under the control of Chief Buchanan of the Agricultural Department, and of the Testing Committee An analysis of the milk was made daily under the im mediate supervision of Prof. E H. Far rington, of the University of Illinois The feed was all weighed and the milk ing was done in the presence of a repre sentative of the Testing Commutee. The cream was separated from the milk by cream separators, and the but ter was made under the direction and supervision of Prof. S. M. Babcock, of the Wisconsin Experiment Station, a member of the Testing Committee, or, in his absence, under Prof. I. P. Rob erts, of Cornell University, another member of the Testing Committee.

Prof. M. A. Scovell, Chairman of the Testing Committee, had immediate supervision of the records, and also of the books in which were entered daily butter scored the highest points; and the feed given the cows, the quantity the records again prove that the Jerof milk and analysis of same, the but ter made each day, and all other data ter being at a higher average price per relating to the cows and their products pound than that of the other breeds. that were necessary for an accurate

## THE PROGRESSIVE FARMER: NOVEMBER 26, 1895.

per cow over the Short-Horns (on the reform shall come to an understandbasis of 24 cows for the latter ) ing of the terms and conditions on The net profit for the 90 days per which they can co operate. This de cow is as follows: Jerseys, \$52:95; mands a clear headed, dispassionate Guernseys, \$39 91; Short Horns (24 survey of the whole field in a liberal cows), \$37.92. The milk required to spirit of compromise and mutual for make one pound of butter was: Jerbearance. In such a crisis the con seys, 172 lbs; Guernseys, 184 lbs. servative and judicious zeal of the Short Horns, 22.9 lbs. The cost of feed great farmers' organization will be badly missed. It remains now for the per pound of butter was as follows: Jerseys, 1375 100 cents; Guernseys, Alliance to convince other sincere ad 14 41 100 cents; Short Horns, 17 36 100 vocates of reform, that, if progress in cents. The highest average net profit to be made conservative counsels must per day of any Short Horn cow is 58 prevail. The great rural masses are cents, which is exceeded by twelve by nature and from the inspiration of their environments cautious and Jerseys; the highest Guernsey is 64 cents, which is exceeded by eight Jerconservative. They will not support a public policy until they are convinced seys. Or, putting it in another way, taking the table given below of the that it is first of all just and right, and, furthermore, that it is essential to the average net profit per cow per day. leaving out fractions of cents, it will be good of the whole community. If, in seen that there are eight Jerseys at 65 deed, a measure be demonstrated to be cents net profit per day, or over, and essential to the best interests of the whole community, they believe with no Guernseys or Short Horns; twentyone Jerseys which make a net profit of John Milton that it is for that very reason lawful and right. They do not over 50 cents per day, with six Guern seys and six Short Horns; and that, condemn a thing because it is de with the exception of one Jersey that nounced as socialism, neither do they accept anything advanced by thes was sick the greater part of the test. every Jersey cow shows a daily net who style themselves accialists. They profit of 43 cents or over, while there believe there are certain things in are but twelve Guernsevs and eleven which the agency of the community should supplant individual (ffort, as Short Horns making that prefit, the Jerseys thus having more than the for example, the carrying of the mail-Gueroseys and Short Horns combined. and the management of postoffices. The public school system everybody Inasmuch as all the butter was scored, approves. On the other hand, they be and the value fixed upon the butter lieve that the "collective ownership of was regulated by the scale of points. the price allowed per pound shows the all means of production" impracticable. seeing that human labor-labor of op quality of the butter, because that eration and labor of direction-is the breed which has the highest price for largest factor in all production and the collective ownership of the labor of a man means collective ownership of seys lead in this respect also, their but the man himself. They believe that the question whether the community The award to the best breed, based ought to supplant individual (ff ort in

MARK TWAIN'S ROYALTIES. The American Newsman is responsible for this interesting item: Mark Twain's royalties go far beyond those gained by any other American writer. His royalties upon "The Inno cents Abroad" reached \$100,000 in less than three years, as he has been re ported. His royalties upon "The Gilded Age" were about \$80,000, and Mr. Raymond said that he had paid Mark Twain \$60,000 in royalties for the play dramatized from that story. His profits from "Tom Sawyer" reached far up into the thousands, and were very large for "Roughing It" and "Life Upon the Mississippi." He did very well, too, with his "Prince and Pauper," and at one time he was estimated to have gained in all about \$500 000 from his writings, and from his investment so much more as to make him very nearly a millionaire. He gained the repute of being a very astute man of business, yet he had the most grievous misfortunes when he began to invest bis money. He lost a large sum in an accident insurance company. He is understood to have been unfortunate in an investment in a type-setting machine; and, although at first it seemed akely that he would greatly increase his fortune through the profits of the ublishing business known as Charles L Webster & Co., yet the losses en tailed by this firm brought Mr. Clem ens, when he was thinking of taking life easy, to that dreadful realization of bankruptcy.



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All the butter was upon 80 per cent. oil. The skimmed milk and buttermilk were analyzed each day, as also the butter. An oil test of the milk of each cow and of the mixed milk was made daily, as a check upon the churn, but the churn governed The basis of decision for merit and awards was in this and all other tests the "net profit" yielded by the cowe and herds.

The same precautions were taken in this as in the other tests to insure ac curacy in weighing the milk, and the analysis of the same. in retaining the milk intact under seal when sent from the barn to the dairy, and until taken out in the presence of Prof. Babcock or Roberts, it being retained under their control until churned. The butter was scored by three experts appointed by Chief Buchanan upon the following scale points: Flavor, 55; grain, 25; solidity, 10; color, 10. The prices of butter fixed by Chief Buchanan, based on the average price at the time for a gilt edge article of butter in the mar kets of the East and West, were as follows: That scoring from 75 to 8) points, 25 cents per pound, 80 to 85 points, 30 cents; 85 to 90 points, 35 cents; 90 to 95 points, 40 cents; and 95 to 100 points 45 cents.

This was by far the most important test of all, as it demonstrated the staying qualities of the cows and breeds. No snap verdict cou d be procured, as may be some times achieved in tests of from a week to a month. The cows had to pass through the vicissitudes of climate, were subjected to the annoyance of flies, and their environment tended to decrease their product.

The Jerseys, true to the characteristic of the breed, maintained a remarkpreceding test for cheese.

gave 73488 8 lbs. of milk and 4274 01

their standard and stand prepared to Nashville, Chattanooga & that of the Gaernseys by 11707 1 lbs . begin to pull itself together, to take up and that of the Short Horns by 7225 6 the study of the situation as it develandottes, White Guines exert their whole influence in behalf of St. Louis Railway. lbs. The quantity of butter of the Jer ops the lines along which the political conservative principles and vigorous RAINS 3 seys exceeded that of the Guernseys by forces will be formed, for the great and and determined action; for whereas 913.57 los., and the Short Horns by decisive conflict which all must now the advocates of the gold standard ap 1383 14 lbs. The solids not fat of the realize is impending. The Alliance pear to have received in the recent Jerseys exceeded that of the Guernseys was the first great organization to dis past a succession of decisive checks, it TO by 963 61 lbs., and the Short Horns by cern that the financial problem is and may be relied upon that they will neg Chattanoogo Nashville EVERYTHING GUARANTEED AS REPRESENTED. 714.22 ILS. The value of the butter of must always be the dominant factor in lect no opportunity or device which the Jerseys was \$301 91 in excess of every industrial question, theoretical Chicago Cincinnati the most astute brains can contrive or that of the Guernseys, and \$575.60 or practical. It was, more than all St. Louis Memphis suggest to maintain the system of wage more than that of the Short Horns else, the determined and persistent de-USEFUL BOOKS. slavery which has enormously enriched McKenzie After deducting the cost of feed given mand of the Alliance that this great them, while it has appallingly imeach breed, and leaving out the increase problem should receive the earnest and SHOULD BE IN EVERY SUBLODGE. THE NAME poverished and degraded, and cruelly Route in live weight, the net profit of the patriotic attention of Congress, which AND PRICES ARE AS FOLLOWS : tortured and distressed the toiling mil Jerseys was \$307 65 over the Guernseys, its paramount importance demands, Secretary's Roll Book nicely arranged, new kind lions of their fellowman. The future Record of Membership..... and \$504 17 over the Short Horns. By which has forced that question to the TO ARKANSAS AND TEXAS. seems to hold out to us brighter prom Secretary's Receipt Book, for dues, with sub..... the rules the increase in live weight be front. Even those who were the loudise, provided we be vigilant and wise, Secretary's Warrant Book, with stub..... tween the beginning and the ending of est in their denial that there was a CMIGRANT than we have realized for twenty five the test was valued at 41 cents per financial issue except in the wild im C RATES. years or more past; but if our present pound, and was credited to the cows agination of those whom they were flattering and reasonable hopes are ex-Minute Book, new kind. and the breeds at that rate. After pleased to style "silver lunatics" are pected to materialize we must be vigi The Atlanta Exposition will be the greatest Working Bulletins, (per dozen).... adding the value of such increase the driven to the admission that the finan lant, brave and wise " exhibition ever he dlot the Unit or States except-ing the Woold's Far and bound Trip Rates State Constitutions. net profit of the Jerseys is \$326 17 over | cial issue is paramount to every other, ----1.1.1 have been made very low. Donot fail to go and take the children. It will be a great education Rituals, The bankers will permit the governthe Guernseys and \$413 69 over the and its settlement at an early date im-1.4 National Constitutions, ment to guarantee the soundness of the for then Short-Horns-or, \$3.62 net profit per peratively necessary as a condition paper currency, but not issue it. The Application Blanks, For maps Folders and any desired infor-· (in pads) mation write to day per herd, or \$0.1448-100 per day precedent to the revival of industry banks want the privilege of issuing it Dimit Blanks. J. H. LATIMER. J. W. HICKS. per cow, over the Guernseys, and \$4.60 and the return of prosperity. It is to the people at a good interest. -Cle-Withdrawal Cards, Trav Pass Art., Atlanta, Ga. Trav. Pass Agent. per day per herd, and \$0.1616 per day absolutely necessary that all friends of burne Herald. Atlanta, Ga. Delegate Credentials, JOS. M BROWN T. M., C E HARMAN G P. A Frateroally, (1767)At'anta, Ga.

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#### MISSION OF THE ALLIANCE.

Some time ago the President of the Maryland Alliance gave through the National Watchman a stirring appeal to the Order to rally to the great work ably steady flow of milk, and achieved of its mission; and his words are still a most signal victory in this as in the more pertinent now than when they were written. We therefore quote In the 90 days of the test 25 Jerseys them for the benefit of our readers.

"I cannot forbear once more to urge, strongly to the membership, as I do lbs. of butter, of the value of \$1747.37. with all the earnestness I am capable The mak of the Jersey herd exceeded of, that the Alliance shall resolutely here and now, to rally promptly to

any particular field is a question of expediency, separate from any other question, and that every such question should be first exhaustively studied and discussed and then decided by the suffrage of the majority. Beyond this they are not willing to go.

In its authorative presentation of the classes it represents and its judicial fairness towards every proposition designed to better the condition of all the people the Alliance is in a position to do more good and prevent more mischief than any other organization in America. This potentiality for good entails a grave responsibility, of which the Alliance cannot divest itself by the abdication of its functions, the charter and the disbandment of its membership. The alliance was the first to propose the political alliance of the West and South to enforce a just solu tion of the financial question. The Alliance has never confined itself to a single-plank platform proposing free coinage of silver at 16 to 1. It has always demanded, does now demand, free comage at the old ratio; but it re gards this as a means to an end greatly more important, namely, the complete and final abolishment of banks of Issue.

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"The graduated income tax is also a living demand of the Alliance, as one feature of a system of State policy terding to the prevention of danger ously excessive accumulations in the hands of private individuals. It is the personal opinion of the writer that a graduated land tax would be endorsed by the Alliance and the classes it represents. It is certain that no one plank platform can command any body's support, and it is eqally cer tain that no such platform 1P, or ever was, in contemplation by any party or by any respectable number of individuals

"I feel very strongly that it will be a mistake for the Alliance to relax its energies at the most critical stage of the great questions of reform it has raised. I beg most earnestly and respectfully to suggest to the officers of the order, national and State, to appeal

and White Plymouth Rocks, Brown and White Leghorns Light Brahmas, Indian and Pit Games, Buff Cochins Muscovy Ducks, Pea Fowls and Fan-tail Pigeons. Fowls and Eggs For Sale at All Times **DD** PRIZES WON THE PAST TWO YEARS. ALSO Shropshire and Dorsett Sheep out of Imported Essex and Red Jersey Pigs. Best Strain Registered Jersey Cattle. Royally fred Colts and Fillies, fine as split silk. You Get Pedigreed Stock if You Buy of Us Address OCCONEECHEE FARM, DURHAM, N. C. Families Supplied on Year-Round Contracts with "Occoneeches Gilt-Edge" Builde THE SECRETARY TREASURER HAS SEVERAL USEFUL MOUNTS THAT 30 (2008-Treasurer's Receipt Book, with stub.... Secretary's Account Book ..... W. S. BARNES Sec'y Treas N. C. F. S. A., Baielgh