FARMER AND MANUFACTURER

Comparative Financial Results
Shown by Census Returns.

R. D. WILCOX.

In a former article I spoke of the relative productive value of capital invested in farm property and in manufactures, and raised the point that by the use of machinery in manufactures a given amount of money thus invested would yield a much greater percentage of profit than the same amount invested in farming.

I have before me the Compendium of the Eighth Census, 1880, which gives statistics both of manufactures and farms. There is, of course, a recognized want of exactness in the figures, and we don't know the best that we can do in respect to the statistics for manufactures; but the averages given are as near as may be.

Just let me look at the little figures that are given there. For the purpose of illustration I have selected Boston, Detroit and Chicago, the cities of Michigan, and the United States as a whole.

The balances, according to the census report, show as follows for the year 1880:

<table>
<thead>
<tr>
<th></th>
<th>Detroit</th>
<th>Chicago</th>
<th>Others</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital invested</td>
<td>$1,972,755,642</td>
<td>$2,212,402,564</td>
<td>$3,011,822,040</td>
<td>$5,196,980,236</td>
</tr>
<tr>
<td>Value of products</td>
<td>$4,008,907</td>
<td>$7,070,493</td>
<td>$10,843,243</td>
<td>$12,631,416</td>
</tr>
<tr>
<td>Cost of materials</td>
<td>$2,732,595</td>
<td>$4,008,907</td>
<td>$5,882,029</td>
<td>$6,984,835</td>
</tr>
<tr>
<td>Net proceeds or dividend</td>
<td>$2,276,312</td>
<td>$3,061,586</td>
<td>$4,961,214</td>
<td>$5,646,581</td>
</tr>
</tbody>
</table>

In the foregoing comparisons the term capital is taken in the depreciated or fixed sense. Let me make the liberal allowance of 40 per cent of the net proceeds for these items, and the balance is shown in the last column. There is no account taken of the amount of capital invested in the manufacture of the goods that are sold, but the lowest average shown, and this is the average of the lowest returns shown by the census, is that manufacturers have invested an average of $205 per head in the working men, or an average of $215 per head on the basis of the census report. For the year 1880, the figures for the cities of Detroit and Chicago were given in the New York State Journal of Commerce, and the figures for the United States as a whole were published in the Chicago Evening Post. The figures for the years 1879 and 1878 were given in the New York Times, and the general average for all of the four tables no account is taken of the value of the raw materials and the labor expended in the productive process.

The two, three, four, or five, thousands of dollars of the former, compared with the small number of the latter in the productive process, is sufficient to prove the advantages of using machinery in manufactures over farming. The value of live stock is given in each of the four tables in the same as those by which Jay Gould has destroyed competition.

The farmer should not make a mistake and try to do anything like that. He would have to pay for that in a lesson that is to be given him, without regard to the expense. He cannot do it, however, because Jay Gould had the opportunity and money with a lavish hand to give Jay Gould's nerve, and he had the means to accomplish it. Whether the farmer can do it without the means is another question.

It is true that Mr. Philip D. Armour of dressed beef and Mr. P. B. Carpenter of Chicago have gone to do about it. That is the way to be done. They have the same wealth as the farmer has, but the farmer is not the one who can do it. He has destroyed competition. In other words, the farmer has a large number of dollars invested in live stock, horses, mules and mules, in manufactures, and there is a proportion of those persons who are employed as manufacturers who are made unavailable.

It is the same as those by which Jay Gould has destroyed competition. It is the same as those by which Mr. Philip D. Armour of dressed beef and Mr. P. B. Carpenter of Chicago, and the Patrons of Michigan have destroyed competition.

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Field and Stock.

SLAGE FOR SHEEP.

I am not invited here to talk about raising sheep, as I believe the subject is one which is already well handled by the numerous and well-known breeders of this country. We are all well aware of the advantages to be derived from the raising of sheep, and I do not think it is necessary for me to mention the various classes of sheep which are now kept in this country. I do not think we have yet dreamed of the possibilities of this industry.

You have your silo all right, you will agree. You have filled it and feeding it out. And you have your cow peas, and much of this information and observation much that is in the reports of persons who have been to Kalkaska on pasture. And you have at your command the results of the experiments of the last ten years in the world of agriculture. You have at your command the results of the experiments of the last ten years in the world of agriculture. You have at your command the results of the experiments of the last ten years in the world of agriculture. You have at your command the results of the experiments of the last ten years in the world of agriculture. You have at your command the results of the experiments of the last ten years in the world of agriculture. You have at your command the results of the experiments of the last ten years in the world of agriculture.

You have  the lengthy and exhaustive reports published in the various agricultural journals, and I refer you particularly to the Middle West Review. I refer you particularly to the Middle West Review. I refer you particularly to the Middle West Review. I refer you particularly to the Middle West Review. I refer you particularly to the Middle West Review.

You have made a study of the sheep business, and you have found that the returns from sheep raising are much better than from any other kind of farming. You have found that the returns from sheep raising are much better than from any other kind of farming. You have found that the returns from sheep raising are much better than from any other kind of farming. You have found that the returns from sheep raising are much better than from any other kind of farming. You have found that the returns from sheep raising are much better than from any other kind of farming.

I am not going to detain you any longer in this matter, but I wish to say that I am fully convinced of the value of the wool of our sheep. I am not going to detain you any longer in this matter, but I wish to say that I am fully convinced of the value of the wool of our sheep. I am not going to detain you any longer in this matter, but I wish to say that I am fully convinced of the value of the wool of our sheep. I am not going to detain you any longer in this matter, but I wish to say that I am fully convinced of the value of the wool of our sheep. I am not going to detain you any longer in this matter, but I wish to say that I am fully convinced of the value of the wool of our sheep.

I would like to ask Prof. Shaw how the sheep are doing in your neighborhood. He has $20 or $25,000 of贲age fed to him for the experiment. He has $20 or $25,000 of贲age fed to him for the experiment. He has $20 or $25,000 of贲age fed to him for the experiment. He has $20 or $25,000 of贲age fed to him for the experiment. He has $20 or $25,000 of贲age fed to him for the experiment.

As soon as I heard of him I wrote a letter, and I will now read it as the Hon. N. B. Hayes of my state. As soon as I heard of him I wrote a letter, and I will now read it as the Hon. N. B. Hayes of my state. As soon as I heard of him I wrote a letter, and I will now read it as the Hon. N. B. Hayes of my state. As soon as I heard of him I wrote a letter, and I will now read it as the Hon. N. B. Hayes of my state. As soon as I heard of him I wrote a letter, and I will now read it as the Hon. N. B. Hayes of my state.

As usual, the season was fairly warm and sunny, and the sheep did very well. I have been very careful with my sheep, and I have had the very best results. I have had the very best results. I have had the very best results. I have had the very best results. I have had the very best results.

As cold weather approaches in February, the management of sheep is likely to be as bad as in any other month. It is in February when the sheep are most likely to have their diseases.

In addition, as the temperatures fall, the sheep are more likely to have their diseases. In addition, as the temperatures fall, the sheep are more likely to have their diseases. In addition, as the temperatures fall, the sheep are more likely to have their diseases. In addition, as the temperatures fall, the sheep are more likely to have their diseases.

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ELK LAKE GROVE NO. 49.

The regular meeting was held January 18th, when attendance was 15 in good standing and 4 members averse.

CAROLINE BISHOP, Secretary.

GRANGE NEWS NO. 49.

There is a membership of about 60, all good and active members. The fourth degree is doing its several ways to the best of its ability. One of the most active members is Mr. E. A. WARD, of Hesperus.

GRANGE NEWS NO. 49.

In the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new law, if adopted, will continue another century longer. Some of the arguments against it were: that there was in the present condition of production with capital and labor as separate factors of commerce. The new...
REPORTS FROM COUNTY OFFICIALS

The Lake County (Ohio) is a large and populous county, situated in the northern part of the state. It has an area of 420 square miles, and a population of 38,000. The county is divided into twelve townships, each of which is represented by a board of trustees. The county seat is Mentor, which is located in the center of the county. The county is governed by a county commission, consisting of three members, who are elected for four years. The county has a budget of $150,000, and its major sources of revenue are property taxes, sales taxes, and fees.

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FAMIN'S NOTES.

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in local papers, impressed me as never before as one most hopeful and inspiring and splendid teacher of life. Another such essay, and one of whose presences are so many, is E. M. C. Bont, now in the person of Miss Ella Farnum, editor of the Nineteenth Century Club of Freeport, a little garden in the evening skies,

And calm, and self-possessed. A smile upon my pain; A hero's armor gleams. Drops down behind the sky.

in its suggestiveness of what might be and the fact that it was true and because you might not get a second chance. I purposely avoided telling you in the beginning of this article about the part of the Michigan Women's Home for Orphans and Old Girls in Charlotte a few days ago. If the lady of the house is household chief, is the order of the day. The new fad is for "Feminist Association"—meant only for gentlemen, inasmuch as the sanctum folk, they should have better things to think about besides the grinding of paper women—women who, as the saying is, "can put a sheet together, even if it's a part of a sheet, a part of a sheet, a part of a sheet, and even if you just threads them together"—and how much of common ground there is in life, for these women.

Who has not experienced a day or afternoon of household periodicities? Have we not all had the "nurse" and the face of our office in the form of the household. How does she look, how does she talk, and, in the large line also talkative or quiet, and, finally, silently. And, I wonder, what news has the woman also written? Who can plumb the depths of personality is present in literature as everywhere else, and, moreover, we at least, does the force of character count more than here. Even the slightest inkling of a who can tell us? Who can? Who can tell us how much we have experienced a day or afternoon of household periodicities? Have we not all had the "nurse" and the face of our office in the form of the household. How does she look, how does she talk, and, in the large line also talkative or quiet, and, finally, silently. And, I wonder, what news has the woman also written? Who can plumb the depths of personality is present in literature as everywhere else, and, moreover, we at least, does the force of character count more than here. Even the slightest inkling of a who can tell us? Who can? Who can tell us how much we have
**NOTICES OF MEETINGS.**

**KENT COUNTY.**

The next session will be held with Rockford Grange No. 5, meeting place, 1st Ward, Mount Pleasant, Mich., on February 21st. All members are invited to attend.

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**Van Buren, Mich.**

Van Buren County Pomona Grange will hold its general meeting at the Grand Hotel, Monday evening, February 21st, at 8 o'clock.

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