## the cotton manufacture in the south.

In a recent article we proffered some advice to the South, as to the proper course to pursue in the reconstruction of her industries. In that article we recognized the possibility that some of the industries which under the old system of things were prosperous, could not under the existing state of affair be profitably restored, and suggested the substitution of be profitably restored, and suggested the substitution of others. Since that article was published a correspondent has called our attention to the feasibility of cotton manufacturing his views, has furnished us with some interesting details of his views, has furnished us with some interesting details of
the Augusia (Georgia) Manufacturing Company, as shown in the Augusia (Georgia) Manufacturing Company, as shown in
the report of its President, for the first six present year. Mr. Wm. E. Jackson, the President, says in his report:
In presenting my twentieth semi-annual report it is with pleasure I can state the condition of the company is very favor able
The gross earnings for past six months
have bəen
have been.
\$135,510 65
$\$ 139,43230$
From which is deducted expense account. . $\$ 8,73164$

\$31,898 16
Leaving as net profits

| $\$ 107,53414$ |
| :---: |

From which two dividends of five per cent each; amounting rofit and loss account $\$ 47534 \cdot 14$ making the amount now to profit and loss account $\$ 47,534 \cdot 14$, makin
to the credit of that account, $\$ 224,798 \cdot 22$.
Goods manufactured from December 14, 1867 to June 13, 1868 :



Average yds. per loom, per day.
Average number of looms runn
Average number of hands employed. $\underset{\text { Aggregate wages paid. }}{\text { Agres }}$ Aggregate sales
The operations of the compary for the past three years, or
neethe close of the war ; viz., Nom Jane, 1865, to June 13th since the close of the war;
Nominal balance 17th June, 1865, .................... $\$ 562,58309$ Confederate notes.

35,775 22
$\$ 598,35831$
Deduct depreciation in Hamburg and
Columbia Railroad stock
Deduct depreciation in various assets, $\$ 26,62500$
Deduct saspense account St. Louis,
True Dakane, protit and loss account,
17 th June, 1365 , in United States
curreacy,
curreacy, ....... ị̛.............
to 13th June, 1868,
Expense account, . . . . . . $\$ 788,30006$
Repairs,
Naxes, ................. 244,479 81
Nividends paid,........., 360,000 00- 808,853 90
Add to profit and loss account,
\$224,798 22
Bales goods made
Aggregate sales.
Aggregate wages ${ }^{\text {paid }}$
Average yards per loom per day ...
Average number of hands employed
Production for three years

| 4.4 | Pounds. 3,726,014 | Piceer | ${ }_{11,387,660}$ |
| :---: | :---: | :---: | :---: |
| 7.8 | 2,120,137 | 200,154 | 7,711,451 |
| Drills | 362,173 | 28,275 | 1,065,759 |
| 3-4 | 53,341 | 6,145 | 250,049 |

It may not be uninteresting to some of our present stock holders to state what has been accomplished in the past ten
yeara. It will be remembered by those who were among the original purchasers, that the property was purchased of the
city for $\$ 140,000$ on ten years' credit, with interest city for $\$ 140,000$ on ten years' credit, with interest at seven pe cent, payable semi-annually, and one tenth of the principal an
nually, the purchasers paying in as commercial capital $\$ 60,000$ This amount, in consequence of the dilarcial capital $\$ 60,000$ this amount, in consequence of the dilapidated condition of
the property, was almost entirely expended in the first two years, in repairs rendered necessary by the then condition of the property. We have, since the purchase, paid for the entipe property without calling on the stockholders for another dollar ; added largely to the property by purchase and build ing, bought about $\$ 100,009$ worth of new machinery, increased
the capital to $\$ 600,000$ by the addition of a portion of the surplus ; paid dividends regularly, and have now a property worth the par value ( $\$ 600,000$ in gold).
Our correspondent, who writes us from Nashville, Tenn., says;
Should you wonder how it is, that the people of the South (who are usually suppose to be quite ignorant in regard to profitable a matter of a cotton mill, $I$ can readily solve the mystery. In the first place, owing to the mildness and salu-
ter, or the extreme heat of the further South, added to the un bounded fertility of our soil, we produce provisions of all kinds luxuries at the lowest possible cost of capital or labor-here we have cheap labor and especially of that class (I mean the youth) who are most needed as operators in cotton manufactur-ing-and this class of labor too, is quite abundant, as there
have been but very slight drafts as yet made on it: Beside cheap labor and cheap means of lizing, we have a oreat abun dance of cheap fuel of all sorrs woot, away from the cities or large towns at a merely nominal cost-with a supply of bitu-
minous coal enough to run every steam engine on the contiminous coal enough to run every steam engine on the conti nent for centuries.
And again, we have the raw material (cotton) right at the doors of the mills that fabricate it into cloth, saving the enor trans conting tits manporting it If you will estimate this iten alone, and suppose for argument sake (for it is not otherwise supposable) that the labor employed in converting it into cloth is as great as it is in New England, you will at once see that it allows as much profit a any reasonably avaricious man should desire.
Our correspondent assures us that the above is not an isolat ed case, and there are plenty of others which although their business has not been so extended, have achieved equal success
in proportion to their investments. He says all that is needed in proportion to their investments. He says all that is needed to develop the resources he has enumerated is capital. The
capital of Tennessee as of the other slaveholding states in past times, consisted largely in their slaves. This is lost to the South, and until it is in some way replaced in part at He manufacturing growth must be inevitably retarded. lcomed to Therser safety, and that of their property, willbe as assured there as in the North
The journal from which we have copied the above extract challenges a comparison of the report of the Augusta Cotton Manufacturing Co., with that of any similar establishment in New England had better look to their laurels.

## Correginademte.

## The Editors are respondents.

解 men, overlooking the fact of the difference in effects produced by statical and dynamical levers, and not realizing the fact that the paddle wheel acts as a dynamical lever, having its great economy overshadowed by the natural defects of the present rotary system of steam navigation, have erroneously decided that there is no economy or saving in the short crank. The writer has spent several years, and some thousands of dollars, in the practical study of propulsion, and has abundant evidence to show that, given the same boat, the same power and the same paddle, if the crank be one half length of radius of paddle, the "slip" will be much greater than if some power is applied to a crank of one eighth or one tenth.
Now, as it can be proved that propulsion is simply a question of power and comparative resistance, and that the "slip" is diminished by shortening the crank, it follows, that if some other system, not rotary, could be adopted, that the application of the power as near the axis as possible, and as far away from the fulcrum (which in propulsion is the water at the propellers) that the limits of increased economy can only be stimated by mechanical possibilities
The writer has invented such a system, possessing not only the advantages of great economy in fuel and machinery, butalso many important mechanical advantages over either screw or pacale wheels, which will form the subject of another paper. I hope these remarks will clearly show that there are two classes of levers; namely, the statical and dynamical, and that while nothing can be gained or saved by use of the former, that the economy produced by the latter is almost limitless; and that by so doing, one of the errors that obstruct the path of the world's progress may be remove

New York city.
F. R. P.

## Poisonous Drugs and Cosmetics.

Messrs Editors:-In your issue of November 25, I notice an article headed "Poisonous Drugs and Cosmetics." Now while the writer fully agrees with you that the evils to which attention is called are very great, he begs leave to differ as to the best curative measures, and he also thinks that the state ment, " we believe there is no department of trade in which, as a rule, retailers know so little that is requisite to the proper conduct of their business as in the drug trade," was made with out due consideration, and that it is altogether too sweeping a condemnation of the class.

The head of the largest drug house in New York remarked after twenty-five years of daily dealings with retailers in every State in the Union, that, " outside of the learned professions, no class of men possessed so much intelligence." You fortify your statement by the fact that "a druggist doing a large preiscription business did not know that vinegar containe acetic acid." Now, unfortunately for the public, they are very apt to give their patronage to the man who will sell the cheapest, in this trade as in others, forgetting that they cannot judge of the purity of drugs, or the ability of the dispenser, with the same accuracy as they can the quality of cloth, or the taste of the draper. Thus many a man builds up a large business who, judged by the standard of an experienced pharmacist would not be thought fit for a third assistant in a first-class store. If mistakes occur, and ignorance is shown, in such cases, who mistakes occur, and ignorance is shown, in such cases, who
should bear the blame,-the class of intelligent apothecaries, or an unwise public? We answer, so long as the public will employ physicians or apothecaries who are not regularly educate they must take the consequences if mistakes occur. We advocate thie most thorough education on the part of the apothecary, but we think that the public are bound on their part to liberally support such men.
That "nothing should be done blindly" is impressed upon the mind of the youngest boy in the trade, as one of his ear liest lessons, in all well-regulated stores. No rule is more thoroughly extabilished and constantly acted upon than this. If an overdose of a powerful medicine is ordered, the prescription is re-submitted to the prescriber; thus many times when physicians wish to order large doses of powerful medicines physicians wish to order large doses of powerful medicines
they find it difficult to get the prescription put up by the careful apothecary.
"Finally, prescriptions should be written plainly in plain English." One would suppose, to hear what is said, and to read what is written on this subject, that physicians adhered to obsolete and inconvenient Latin names for drugs, for the sole purpose of mystifying their patients. Let us examine this matter. That certain exact and invariable names, understood alike by the physician and the apothecary, must be used, is evident. The botanical names of plants, and the chemical name of chemicals, form the basis of the nomenclature of the United States Pharmacopeia. Should we gain anything by a resort to English names? Let us see. What, for instance, is the English name of the plant known in the Pharmacopeia as Cypripedium pubescens? It is called in various.localities, nerveroot, nervine, moccasin plant, and ladies' slipper. What is the English for the Gauttheria procumbons? It is known as wintergreen, partridge berry, deer berry, tea berry, mountain tea, and checkerberry; and no two old ladies well versed in herbs will be found, who can agree that these names all refer to the same plant. "Wintergreen, indeed!-why that's another thing altogether," one says. To be sure, the common princess pine is also known as wintergreen. Indian hemp may mean the Cannabis Indica, or it may mean the Apocynum Cannabi-num-two articles widely different both in nature and use. Among chemicals, the synonyms are not so many, yet who would choose to give up the simple, exact, and descriptive chemical names for the inaccurate, and in many cases foolish common ones? If common namees are not sapted, how are

