COTTON SEED OIL.

from the Southern Ban

ATHERS, July 30th, 1833.

Messes. Entrons.—As this is the age of improvament and all appear anxious to husband the resources of the country and to develope new ones, permit me, through your paper, to attempt to turn the attention of the public to one, which the South possesses in an eminent degree, and which has been suffered to remain unimproved, for the want of but a very moderate share of enterprize. I allude to the manufacture of cotton-seed oil. I propose to show, first, its entire practicability and then its extensive usefulness, from which the inference will be readily drawn, of the great source of profit necessarily resultings to the cotton planting. States. The difficulty leveloffers, was the want of a machine to separate the kernels from the lint and bulls which absorbed the oil and prevented its complete extraction from the former. This has been entirely obviated by a machine, invented by our ingenious fellow-citizen, Lancelot Johnson, Eng. of Madison, Mergan country. It is as perfect for the purpose as it is possible, and its a stogether different from any thy go of the kind heretofore invented. There is of. in Veginia of another description, but in point of expedions and faithful execution, it is nothing to compare with Mr. Johnson's. That plan is a rough heavy stome cylinder turning within a semi-concare circle, throught so near together as to crack the seed and then they are sitted, and the hulls blown away by a fan. This plan is imperfect, because the hulls and then they are sitted, and the hulls blown away by a fan. This plan is imperfect, because the hulls and then they are sitted, and spirally arranged from tep to bottom. Within the hopper, which stands upon a fan. The spiral and convey notion greater that the hulls of the seed as they pass through, and are three boarded by an inclined rocking rulled had fan, perhaps of a regulator, just near enough tegether to cut the hulls of the seed as they pass through, and are three horden grains usually appearing in that article. It hulls twenty bushel Arness, July 30th, 1833. As this is the age of improve xions to husband the resour

this brings me to the mention of its usefulness, premising that the facts submitted, are supported by either actual experiment or testimony of the most unquestionable character.

One bushel of seed will make half a gallon of oil, and this oil sells in the cities of Philadelphia and New York, for one dollar a gallon, when Inseed oil is selling for ninety cents. The reason for this difference is owing to the greater number of usefference is owing the submitted by a decidedly better painting oil, and so pronounced by all who have tried it, particularly its distinguished practical citizen, Gen. David R. Williams of South Carolina. It is a most excellent lamp oil, and is in its use free from smoke or smell. It answers in the manufacture of woodlens equal to any oil ever tried, and for greasing machinery nothing can exceed it. There are several minor uses to which it can be applied with singular advantage. It has a remarkable property, combined with rotten stone, in cleaning with unrivalled brightness, all kinds of metals and also Tortoise shell. When fresh it can be used in corn bread for the same purpose, and to as good an effect as lard, having nothing offensive in smell of taste, the latter resembling that of the hickory nut. The cake as it in called, that part which is left after expressing the oil, is superior, as food for cattle and hogs, to the linseed cake which which is left after expressing the oil, is superior, as food for cattle and hogs, to the linseed cake which hickory nut. The cake as it in called, that part which is left after expressing the oil, is superior, as food for cattle and hogs, to th

sequently worth 12 1-2 cents after the oils extracted.

It remains to shew the immanse advantage which is in store for this country, from this at present unimproved resource. The cotton crop of Georgia, for instance, is 250,000 thousand bales, which at the usual price obtained, is equal to 6,0000 of dollar—In the seed, this crop weighs three hundred million, and takes about 600,000 acres to produce it. The fibres when taken off, being one fourth of the weight, leaves two hundred and twenty-five millions of pounds of seed, which at thirty weight to the bushed, leaves in bushels, 7,500,000. From this quantity subtract one million and a half, necessary to plant 600,000 acres, and there will then be a balance of six millions, equal to three millions of gallons of oil or three millions of dollars, half the value of the cotton crop—one which is such a vast source of wealth to the people of Georgia. This is exclusive too of the cake, worth seven hundred and fifly thousand dollars more. In making these statement I am not unaware that I run the risk of being considered visionary, but I have the consolation of recollecting that such an idea was ascribed to a certain manufacturing satablishment, not far from this place; but who considers it now as a wild project.

There is not one planter in twenty who has any ide of the quantity of seed he makes. For every thou sand weight of seed cotton there are 25 bushels o seed, which are worth to him in oil and food, a least 15 dollars, considerably over half the value o his cotton, and really worth more than an equantity of corn. The time will come when a man will just as soon think of throwing away his corn as his cotton seed.

It is contemplated to establish an oil "ess at this place, in connection with the company owning the

Athens Factory. I give it as my opinion, no investment can be more profitable—it will be better than cotton spinning; because of the cheapness and abundance of the raw material, the great use and value of its production, the smallness of the capital necessary to be invested, its freedom from risk and the unusually moderate portion of manual labor used in its manufacture. If individuals engaged in precuring whale oil are compelled to make large expenditures in purchasing and equipping vessels, in preparing an expensive outfit for a dangerous and distant voyage of ten thousafor in the value of the property of the charge of the

princely fortunes) at from 70 to 90 cents a gallon for their oil, what may not be expected from the production of a more useful oil, under facilities, so, ob-

viously superior? Whale oil will be diminished in value, and we shall realize another great advantage in the retrenchment of our expenses for that article, and keeping our money at home. In conclusion. I ought not to forget the immense benefitor Rail Road will derive from this new pursuit.

A. S. CLAYTON.

P. S.—I have specimens of the oil and cake in my possession, and know that it is an excellent lamp oil. Its effect in cleansing metals and the tor.

toise shell I have witnessed.