

By P. M. HALE. PUBLISHED EVERY TUESDAY, AT RALEIGH, N. C.

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HALE'S WEEKLY

RALEIGH, N. C., TUESDAY, JANUARY 6, 1880.

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The Old Love and the Young.

[A Newspaper Wife.] A shy little maiden sits by me tonight, Softly humming an old tune low;

Sunset Clouds.

Asky of skimming clouds That fly on dappled sails, And with purple oars

LITERARY GOSPEL.

MRS. MARY BAYARD CLARKE, EDITOR.

All books received during the week will be mentioned by name in the next succeeding issue, and, if worthy, will receive a longer notice

BOOKS RECEIVED.

S. C. ORRISON & CO., CHICAGO. GETTING ON IN THE WORLD, OR HINTS ON SUCCESS IN LIFE. BY WILLIAM MATTHEWS

Getting on in the World.

"Getting on in the World." So many volumes of good advice have been published on this theme that it seemed hardly possible that a book of nearly four hundred pages could be written which would be interesting enough to induce a lay person to read it through, not from any desire to learn how best to "push along," but simply as an intellectual entertainment.

or will miss or social enjoyments do harm if taken up in the recreations that strengthen for greater exertion in the real business of life; it is aimless drifting that injures the character, even if we drift to something better.

NEW YORK CORRESPONDENCE.

[Correspondence of HALE'S WEEKLY.] NEW YORK, Dec. 24, 1879. MR. EDITOR.—I have heard a curious personal history which, as it interested me, I am tempted to relate, since I have found that to that which interests me generally in to-day's world, we are all human.

By FIRE AND FLOOD.

The steamer Arragon, from New York, November 25th, for Bristol, England, is supposed to have gone down with all on board.

RELIGIOUS NEWS ITEMS.

A hundred years ago a Moravian missionary baptized the first negro convert in Dutch Guiana.

BUSINESS NEWS ITEMS.

From the 1st of January the legal rate of interest in New York will be six per cent.

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cause it gives due credit to a North Carolina poet one of the most beautiful geniuses in the language, which also would be tempted to quote in full if I had it at hand. Says "Mother Hubbard":

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It may be ignorance, or it may be magnanimity, or it may be a combination of both, that prompts the Chicago Tribune to say that "New York, next to North Carolina, was the hot-bed of Toryism during the Revolutionary war."

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FARM AND GARDEN NOTES.

THE CLEMENT ATTACHMENT. Mr. Z. T. Kivett writes to HALE'S WEEKLY:

MR. BEN'S LEVEL, Dec. 23, 1879. MR. EDITOR.—I write to you to give me all the advantage of your information on the subject of the Clement Attachment.

This part of Harrott's especially blessed with good land and kind hard-working farmers. The water-power is peculiarly arranged so that the whole of this section may be accommodated by two or three mills and none have to haul their power more than four or five miles, of which there is about three thousand hals made which if manufactured here, allowing that 50 per cent. is realized in the manipulation, would leave in the hands of the farmer \$15,000, which is no small thing for such as are in distress.

I especially solicit your aid in furnishing this information as there is a party of farmers and mill men who have the power now ready to drive the machines, could they be convinced it was to be hauled in this section, and sent to go into the business. Any and all information will be thankfully received by your correspondent and patrons on this subject. Let us hear from you at an early date. Z. T. KIVETT.

Just before opening our correspondence letter, we read the following in the *Alabama Farm Journal* for January— "A correspondent of the Summit, Miss., writes from Windsor, N. C. says: "We are running two Clement Attachments. We have been running about three months. The attachments cost \$290 each. We are running 12 spindles, which cost at Bridgport, Penn. \$3 per spindle. The top flat cards cost \$225 each; card clothing \$80; one drawing frame, six deliveries, six into one, \$500; one block list, \$450; two rovers, \$100; spindles each, \$250; one cotton cleaner \$72.

Fifteen horse-power is sufficient to run the machinery. We work ten hours per day, and make an average of 300 pounds of yarn; one engineer at one dollar per week, and one driver at \$2 for 50 cents each, and four girls at 10 cents each. We consume three-fourths of a cord of wood per day at \$1.25 a cord. Our mills net us from \$8 to \$10 per day. We get from 16 to 18 cents per pound for yarn. We send New York and Baltimore.

The new process has an advantage of half over the old. We dispense with the lint-room and all the machinery used therein. We do three times as much work on our card as can be done on the same card on the old system. This cannot be done by or leave the machine until it passes off into a sliver or continuous roll into a revolving can. The profits are more than double that of the old process. The machinery is simple and easy to operate. There are ten machines used in the old process, taking the cotton in the seed.

We run by steam and think it cheaper accordingly. Our second hand machinery is generally in good order, and we will become a more prosperous people. We have labored long enough to enrich the North, and it is now time our eyes were open to our own interest. C. F. HARDEN, COMPOSITOR.

NEAR RALEIGH, Feb. 14, 1877. MESSRS. HALE & SAUNDERS.—In reply to your letter of the 13th inst., I give below the formulae as given by Dr. James, the Commissioner of Agriculture for Georgia, who says that nearly half the fertilizers used in that State are "compost," and the interest manifested by the system by the farmers generally is rapidly increasing.

From tentative experiments extending through several years, I am led to believe that the formula will answer well enough for North Carolina, provided they are used in larger quantities to the acre, or the quantity of cotton seed sown that increased our season being shorter now ammonia is required in order to force the growth of the plant, especially in the case of cotton, in order that the fruit shall open before frost.

The proportion of nitrogen to phosphoric acid is too small for cotton this far North, both in the formulae and the ammoniated fertilizers usually sold; it should be at least 1 to 2 instead of 1 to 3 or 1 to 4. Many farmers in Georgia claim equal results from the use of the compost, and the best ammoniated fertilizers, pound for pound, when tried together; if this is so, it must be in exceptional cases, as the two do not contain the same amount of plant food.

*Excelsior for Composting*—If the stable manure and cotton seed have been kept under shelter and the compost is to be used on oak or hickory land use the following: Stable manure, 750 lbs Cotton seed, green, 750 Acid phosphate or dissolved bone, 500

Making a ton of 2,000 lbs Spread under shelter a layer of stable manure four inches thick; on this spread a portion of the phosphate next a layer of cotton seed three inches thick; wet these thoroughly with water and sprinkle with phosphate, next spread a layer of stable manure three inches thick, and continue to repeat these layers until the material is exhausted. Cover the whole manure with stable manure or strawings from the lot, two inches thick. Allow the bins to remain until a thorough fermentation takes place, usually three to six weeks, according to circumstances, dependent upon moisture, &c. When the cotton seed is killed, with a sharp hoe or mattock cut down vertically through the layers of the compost, and take place to a help where the fermentation will be renewed and the