

### Clothing.

A new lot of Clothing just arrived in Men's, Boy's, and Youth's. Don't forget to call and inspect these goods as they are sure to please.

C. L. GRANT.

# Durham Review.

### Corsets.

We keep E. T. and D. & A. Corset. We have the E. T. in Straight Front. Have you worn them? If not you should get a pair at once.

C. L. GRANT.

VOL. XXIII. NO. 18

DURHAM, THURSDAY, MAY 2, 1901.

WHOLE NO. 1206

### Local and District News.

Additional Locals on Page 4.  
Maple Syrup at J. A. Hunter's.  
Ladies' Black Kid Gloves at Grant's.  
Timothy seed for \$2.00 per Bushel at Darling's Drug Store.  
Dressmakers are about as much abused as newspaper men.  
Buy your garden seed by the oz at MacFarlane's Drug Store.  
A very vain man trying to appear modest is a very funny sight.  
Clover & Timothy seed at Darling's Drug Store.  
There are lots of men who will stop and visit for a long time with any body.

Carr's Indian Herb tea, a splendid spring tonic. 25c a package at MacFarlane's Drug Store.

THREE SPRAYING.—Bluestone or sulphate of copper at Darling's Drug Store, at right prices.

We offer the REVIEW to New Subscribers from now to Jan. 1, 1902, for 50 cts. Friends oblige by making this known?

NOTICE—Those indebted to the band for skating tickets, etc., will oblige by immediate settlement.

EDWIN McCLOCKLIN, Secy.-Treas.

Considerable work has been done last week and the beginning of this toward beautifying the grounds of the Methodist church and parsonage by planting trees and vines.

AT ABERDEEN.—Divine service will be held in the Aberdeen church on Sunday evening next, May 5th, at 6 p. m. Service will be conducted by Rev. Mr. Graham, of Dornoch.

ANOTHER SOCIETY.—Mr. Harris, on representing the Canadian Order of Home Circles, has been in town this week trying to organize a local circle and notwithstanding the abundance of fraternal societies flourishing or fading here already, he has succeeded in organizing one with about 20 members.

COMFORT FOR LADIES.—We have secured the sole agency for Durham for the sale of the B. & I. Corsets, the newest and most comfortable corset made. They are made on the bias and are bias filled. Straight front, erect form and short waist. Every pair warranted, positively non-breakable over hips or at waist line. Price \$2.00, at J. A. Hunter's, The Big Store.

Jimmy Fax, the comic singer, was at Singhampton a short time ago singing at a Scotch concert, and while reading a Scotch number his false teeth broke in his mouth. He was therefore unable to give his last two numbers on the program and the committee deducted \$10 from his pay. Jimmy is undecided whether he will quit singing Scotch songs or purchase a set of steel teeth.

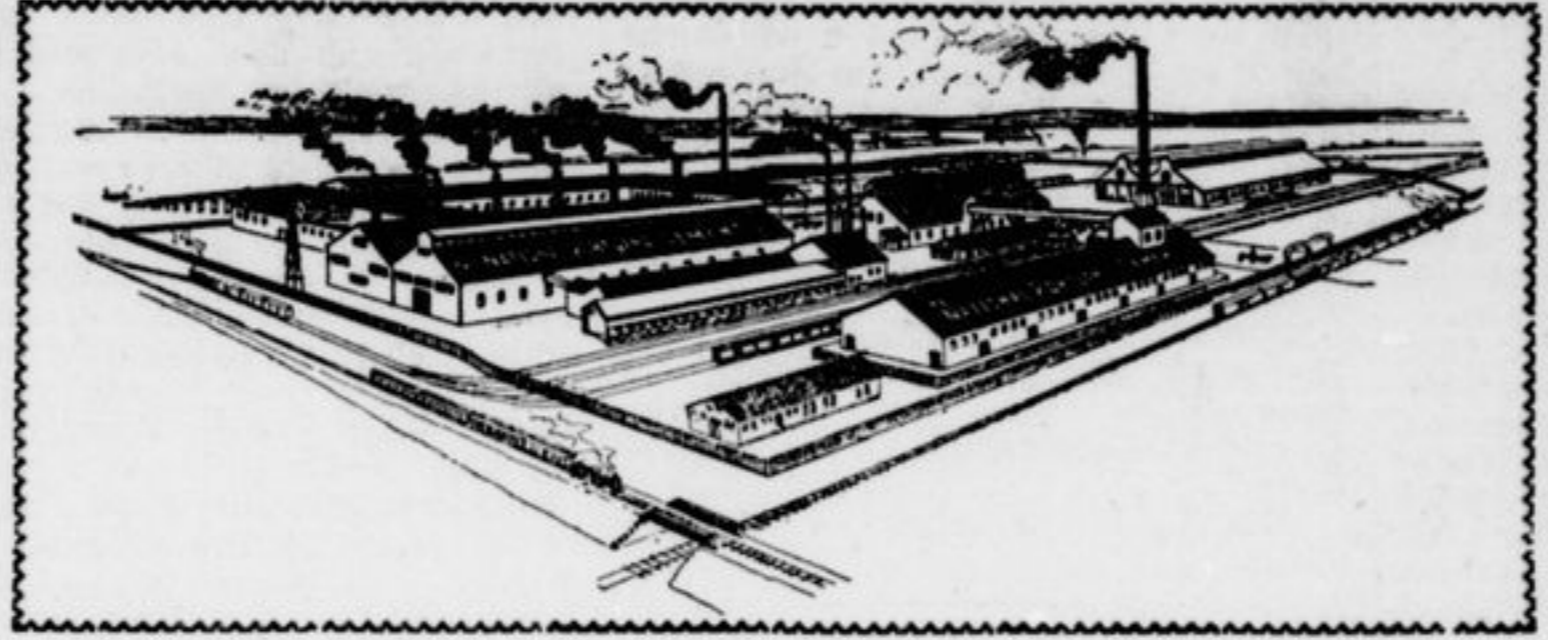
IMPORTED HORSE.—Mr. Jas. Paton, Swinton Park, is bound to be to the front as a horseman and has purchased from Mr. Wm. Colquhoun, Mitchell, the fine horse "Royal Buteman." With the price of horses running high and remount stations being established which will likely keep the price up for years, too much attention cannot be given to the raising of the right breeds.

AN UNLUCKY FAMILY.—Last spring the house of Mr. Kemp, 10th con. Sullivan, was struck by lightning and burned to the ground. While trying to save some clothing Mr. Kemp's hands were badly burned, in consequence of which he was off work for several weeks. As if that was not sufficient hard luck for one year, another calamity befell this family on Wednesday evening last week. Mr. E. D. Evans, of this village was returning home on the day mentioned, and Miss Kate McKinnon, of Sullivan, who had been visiting her sister, Mrs. Black, of Durham, was returning home with him. They had got a little way past Peabody school when one of Mr. Kemp's boys, a lad about 10 years old, jumped up on the back of the rig. The cover being up neither Mr. Evans nor Miss McKinnon saw the lad get on the rig. The horse commenced to go down a grade at a smart trot when they heard a cry, and stopping the horse quickly, Mr. Evans found the boy who had got on the rig, had got between the spokes of the wheel and had been turned and twisted till he could hardly extricate the lad. The accident occurred near Mr. Kemp's house and Mr. Evans carried the injured boy home. His right leg was broken in two places above the knee. Medical aid was speedily summoned and the unfortunate boy is doing nicely as can be expected under the circumstances.—Chesley Enterprise.

## VISIT TO ROTARY CEMENT WORKS

### A Like Plant to be Established in Durham

### IN SUCCESSFUL OPERATION



Thursday evening of last week we were favored in company with our course to start on a trip to the far famed Cement City, Michigan, situated 18 miles from Jackson, a city of 30000, this latter city being 75 miles from Detroit.

Here (Cement City) are situated the vast works of the Peninsular Portland Cement Co., of which Mr. W. F. Cowham was the leading promoter and now the successful manager.

To describe the trip there is foreign to our purpose though it presented features interesting enough to a stay-at-home editor to tempt him to expand, a failure by the Palmerston-Stratford train to connect with the main-line west at the latter place made the journey almost a day slower, but there "were others" amongst them being a rice besprikled bridal party who boarded the train at Holstein and misery loves company. Besides the delay gave us a daylight trip through Ontario, a few hours in pretty London, the passage through "the tunnel" at Sarnia and a glimpse of Detroit. Durham and Detroit are scarcely comparable, Woodward Avenue is ahead of our main street, Schaffer's 14 story building is bigger than our Big Store and we won't be satisfied till our Town Hall has a big "Welcome" strung across the front of it, but we are free to state that Durham can show no such dirty back lanes, as the dozens the traveller sees from the train on entering the city. We have some idea now where Mayor Pingree, of potato patch fame was to get fertilizers for his plots.

From Detroit to Jackson is a 76 mile ride on the Michigan Central, through a fine country, passing pretty Ypsilanti and Ann Arbor, and following the pretty and sometimes romantic banks of the Haron river.

As we stepped off the train at Jackson we found we had as a fellow-traveller Mr. J. Irvin, who was in Durham last winter and who directed us to the offices of the Peninsular Portland Cement Co. where we found our friend Cowham deeply immersed with some Rogers City gentlemen, in cement talk of course, their purpose being to get the great Cement King to take hold of some "proposition" in their neighborhood, offering, we may say in passing, a much larger proportion of the stock than Durham has been asked to give for promotion. It was out of the question to get to the works that night, but we were favored with a view of the plans, elevations, drawings, etc., from which the Durham works are to be built, and the sight of these, making provision for every beam, bolt, nut or bracing, giving every possible structural information to the experts who work from them, in a measure prepared us for the big realities of the Michigan works we had come to see.

Next morning the Cincinnati and Northern R. R. took us the 18 miles to which was, less than one year ago, the totally insignificant hamlet of Woodstock, which has not been slow to drop the historic name for one, which tells of the great commercial article now produced in its vicinity from the natural resources so long utterly useless. On the 15th of May 1900 the first sod was turned in preparation for the Peninsular Co's works and since that time, less than a year ago—not only has vast works been built, enormous machinery installed and operating, but there has been begun the nucleus of a thriving town, to which railways are pleased to cater.

The marl here is found in an extensive lake and is not quite such good quality as ours testing only about 96 per cent of carbonate of lime while Durham tests run slightly over 98, and we have been assured that no marl in the world exceeds this. Many cement works that have been eminently successful with marl testing as low as 70, would have been much more so had they had the superior quality of our deposits.

Besides the making of cement, the Peninsular Co. have actually begun the manufacture of building blocks for residences or indeed almost any structure and the simplicity with which any particular design or finish can be reproduced in concrete can not be applied. Already it has been used for residences in all styles, bridges, monuments, breakwaters, silos, posts, paving, drain tiles, lining of battleships, canal banks, foundations, roofing, flooring with dozens of eetera's, and the more it is used there seems to open continually new fields for its use.

The spare time of the forenoon was spent in the testing rooms, the laboratory, the offices, the machine shop, the blacksmith shop, the large and capacious boiler and engine rooms, etc. etc. Testing goes on regularly by the most precise and scientific methods, the machine shop is thoroughly equipped and could turn a 12 inch shaft, the bases for the boilers and engines are built of pyramids of solid cement concrete, and of so solid a nature that the hand can feel no jar even with the 1000 horse power engine in full motion. The engine-room would delight the heart of any engineer so capacious, so light, so clean.

The great fly wheel 18 ft in diameter going 107 revolutions a minute and weighing 57000 lbs driving a generator of 1000 horse power, is the most conspicuous object, but another of 500 h. p. is at the other side of the room and motors of varying strength are everywhere. Perfect provision is made against stoppage, and if one power should get disabled, another could "keep things moving." This duplication is one of the things provided at many points, for no stoppage can take place, where so much delay is involved. The whole vast enterprise is the product of thoughtful and scientific minds, made as near perfection as American and German skill, knowledge and experience can furnish. The mill to be built in Durham will be built by the same men and it is surely matter for gratulation that the fresh and added experience of these men is to be utilized in the building of the Durham works.

However, we set out with the purpose of giving a description of the process of making cement as we saw it, regretting that our mechanical vocabulary and knowledge is totally inadequate to do it right. Accompanied by Messrs. Cowham and J. S. Irvin, both of whom were most obliging, the dredge was visited, the approach to it being by way of the cedar floats or rafts which support the pipe through which is forced the semi-liquid marl raised by the dredge.

The dredge with its companion—the scow—is an institution in itself, equipped with strong and expensive machinery. Down goes the great sugar kettle or scoop, the big arm gives a twist to right and to left, and two wicked little engines roll up the chain and up comes the kettle, full to overflowing. It is swung over the scow, and at the proper place the "kettle" opens from the bottom like a quartered orange and at once closes and goes back for more. The stuff falls into a hopper arrangement from which by machinery it is forced by compression into the long pipe, perhaps 9-in. diameter and away it goes over the floats and up the toboggan slide seen in the picture to a point about 75 feet higher than the lake. Here it is conducted to immense tanks, thoroughly mixed. From there it goes to tanks in the basements, being admitted by a "worm" arrangement. Here if we remember aright, it meets with the clay, which, previously had also undergone a wet grinding and it is here the very important point of proper proportion is attended to. One hopperful of clay is mixed with a certain definite number of inches from the graduated marl tanks and it is then allowed to run off into a tank where engines take the mixtures and force it into pipes which take it to three immense revolving cylinders (rotaries) where it is "wet ground." From thence it mounts to the ceiling and after another process of mixing, it is led by pipes—still liquid mud—into the slightly elevated end of one or more, or all of the six great tanks from which it is fed to the six immense cylinders or "rotaries." 60 or more feet long and at least six feet in diameter. Each of these cylinders is fixed on cement-concrete foundation, the weight of each being 135 tons, and when filled with material will weigh about 30 tons more.

Now having got the wet mixture into the "rotary" at one end let us see what is going on at the other, and following the same course we will begin at the opposite side of the works where coal is being unloaded from cars to grinding and drying room. When dried it is further ground into fine dust by elaborate machinery, and is then blown by a powerful electric motor into the depressed end of the rotary in which we left the wet clay.

The ignition and combustion of this coal dust forms a most intense heat of we forget how many 100 degrees Fahrenheit, and the whirling clay in its passage down this blazing hell gets burned to crisp small black "clinkers" which fall through a grating at the lower end. And where now? Into an endless chain of iron buckets, floating in a cold water ditch down below which conveyance takes them hundreds of feet to another spot, dumps them into chutes or piles and passes round for more clinkers. This carrier takes 22 minutes to make one round. The clinkers go to the Krupp Balls Mill for treatment, then to the Tube Mills where it is ground into the commercial product and carried far away by an ingenious process we dare not describe to the storehouse.

Thus from its resting place in the bottom of the lake as marl to its resting place in the store house as Portland cement we have very imperfectly traced the process of manufacture, the wonderful feature of which is that it is no where touched by human hand or manual tools.

We could fill a few columns more with descriptive material, about the laboratory, the big smoke stack and the adaptability of means to end in

## N., S. & J. McKechnie.

(Popular Cash Store.)

### Attractive

Both in price and quality every line handled by us, hence we don't enter into a lengthy descriptive particularization but give you plain facts and figures to deal with. With every line we sell goes our personal guarantee of merit, our store is synonymous with reliability.



### CORSETS

We are specialists in this line, handling only the best quality goods that are fully warranted and are made by experts to fit the figure and to be necessary adjuncts to stylish fitting garments.



We draw your attention to the new straight front Corset as here shown. They are the latest and are perfect fitting. Special price \$1.00

For those desiring a corset that has stood the test for years and has proved itself to be all that is claimed for it we would highly recommend the D & A.

It is easier than inheriting money to save by buying here.



## N., G. & J. McKECHNIE.

many instances. Enough has been said we hope to give our readers some idea of what we are to have in Durham. The grounds are all fenced in, lit outside with arc lights, while incandescence lights are everywhere throughout the machinery where required. Truck tracks are to be made from the machine shop to every part of the works, so that heavy articles for repair, if necessary, can be conveniently moved. System and order and cleanliness are visible at every point.

This is no ephemeral structure of a day or a year. As Pres. Cowham said—it can't be burned, it can't be moved, you can do nothing but make cement with it. Again we urge as many as possible to secure some of the stock before it is too late, as the dividends are we honestly believe sure to be satisfactory.

### PERSONAL MENTION.

Mr. Wes. Hunt is home sick from Woodstock.

Miss Alice Watson, of Rainy River, is visiting her friend, Miss S. McKinnon, this week.

Mr. Geo. Dixon, of Fairwell, spent Monday night at Mr. A. McKinnon's and went west on morning train.

Miss Maggie Bell, of Dornoch, spent a few days last week pleasantly with friends in town.

Miss Minnie Fox entertained a number of her friends at her home on Thursday evening last.

Mr. Rod. McFarlane spent Friday and Saturday with friends in Owen Sound. He rode a lady's wheelback and reports a pleasant trip.

Mrs. Charles Urquhart, who has been visiting her parents here for the past month, left Monday morning for her home in Beeton.

Mr. T. Harris left on Tuesday for Tiverton in response to a telegram from his wife, whose mother is very dangerously ill.

Mr. Arthur Laidlaw came home last Saturday, freed for a time from books and examinations.

Mr. and Mrs. John Watson, late of Artemesia, were guests at Mr. Wm. Mountain's for a couple of days this week, before proceeding to London where they will take up residence. Two of their sons have profitable employment there.

Corporal Geo. Ledingham, the dashing young soldier who saw service with the Stratheona Horse in South Africa, left Chesley station yesterday for Vancouver. Some of our young ladies heaved a regretful sigh as the handsome corporal left town. Like the Jacobite ladies who fall in love with Bonnie Prince Charlie they say "Will ye no come back again."—Chesley Enterprise.

## SHEWELL & LENAHAN

Wish All A

Happy New Year

The public of Durham and S. Grey are informed that the business heretofore carried on by J. A. Shewell will now be carried on in the new premises in the McIntyre block next the Bank under the firm name of Shewell & Lenahan.

Old customers are cordially invited to call and see us in our new store where we hope to make the acquaintance of many new friends.

Special attractions for the Christmas and New Year's trade.

A Call Respectfully Solicited  
SHEWELL & LENAHAN.