

ON THE BANKS OF THE CLYDE

CENTRE OF THE WORLD'S GREAT
SHIPBUILDING INDUSTRY.

A MARVELLOUS YEARLY OUTPUT

The Shipbuilding Trade on the Clyde is
Carried on by About Forty Firms,
But More Than Half the
Tonnage Comes From
Six or Eight
Yards.

Frederick Dalmon had an illustrated article on Clyde shipbuilding in a recent issue of the Pall Mall Magazine. He recalls the fact that in 1770 an engineer consulted by the authorities deepened the River Clyde to four or five feet right up to Glasgow at low water, in place of the depth of 14 inches, which was its natural depth. To-day the Clyde has a uniform depth of about 30 feet, and the biggest liners can be taken to the centre of the big city. This much, without which Glasgow could have become neither the shipping nor shipbuilding centre it now is, has been achieved at a cost of something like fifteen millions sterling. Two millions have been spent simply in dredging during the last fifty years, and there is now a large fleet of steamboats with very ingenious machinery, employed in this service.

Clyde shipbuilding is now carried on by about forty firms, but more than half the tonnage comes from six or eight yards. These firms have each a special reputation in their trade, one yard being noted for its huge warships and liners, another for its huge cargo boats, a third for large light pleasure craft. Beginning a little below the Customs station at Mavisbank, the yards extend on the right bank of the river to Dumbarton, and on the left to Port Glasgow and Greenock. At Govan and Patrick we are in the heart of the industry; on the lower reaches of the river there are, of course, breaks in the fusillade of riveting which sounds so sweetly to the ears of Glasgow people as the unmistakable token of "good times." According to weight of output, Russell's yard at Port Glasgow is easily first; according to value, which now-a-days with so much competition in speed in quite a different thing, the Fairfield and Clydebank yards dispute precedence. Denny's of Dumbarton are famous for their pleasure steamers, and Henderson's of Meadowside, for their yachts—the Britannia, the Meteor, and other famous craft, were built there—although both yards produce a good number of fine ocean-going vessels.

All that most people see of Clyde shipbuilding is seen from the river. The view of Fairfield or Clydebank from the bank of a passenger steamer is impressive enough. Along a frontage of little less than half a mile there may be resting upon the stocks in various stages of construction the frame of one or ten first-class cruisers and liners, with several smaller craft of a miscellaneous kind. Upon one single slip alone there will, perhaps, be a thousand men at work—for now-a-days a 10,000 tonner is built within twelve months—their moving figures in comparison with the mammoth skeleton of iron or steel looking like myriads of tiny marionettes. But of the vast amount of varied work for the equipment of ships which is going on over acres of ground behind the "slips," there is little more than a suggestion in the background of enormous sheds and tall chimneys.

There is one feature at Dumbarton which is, I believe, unique on the Clyde, if not in shipbuilding generally. This is an experimental tank, in which model-driven models of the ships to be built are tested for their stability, speed and resistance to the pressure of water. The tank is three hundred feet long, and twenty-two feet wide, and contains nine feet of water. It is said that valuable results in hydrodynamics have been obtained from these experiments, which are carried on by a specially trained staff. Another interesting feature of Messrs. Denny's works is the award of premiums to the workmen for any improvement, however small, they may be able to suggest or effect in tools, machinery or method.

In 1901-fifty years after the launch of the Comet—the output on the Clyde was nearly 67,000 tons. In 1898 it reached a total of 466,832 tons, comprising 328 vessels. Enormous as these figures seem, they nevertheless represent a decline in Clyde shipbuilding relative to the rest of the country, which has taken place during the last few years. In 1893 the tonnage launched on the Clyde was considerably less than a third of the total launched in British waters; in 1890 it actually exceeded one-half. But an examination of the figures clearly shows that the change in the percentage has been brought about by the advance of Newcastle, Hartlepool, Sunderland, Belfast, rather than by falling-off on the part of Glasgow. When steel was first introduced in 1878, the prestige of the Clyde for ocean liners was at its height. According to data given by Mr. David Pollock, the naval architect, 79 of 138 vessels of 4,000 tons and upwards which were built between 1858 (the Great Eastern's year) and 1884 came from yards between Glasgow and Greenock. The superiority of steel once demonstrated it was at once made auxiliary to skillful engineering as a means of maintaining this prestige, and in the Clyde returns the iron tonnage is not quite insignificant. Belfast and the northeast coast of England have shown that they can build of the best other than heavy iron cargo boats; but to traveling mankind generally "Clyde-built" continues to spell most surely speed and safety in navigation. The Clyde may not again produce in a year more shipping than all other British rivers combined, but it is still less likely that its leadership will be lost.



Building

Requires a foundation. That is just as true of the building up of the body as of the building of a house. The foundation of a strong body is a strong stomach. No man can be stronger than his stomach. A weak stomach means a weak man. Dr. Pierce's Golden Medical Discovery cures diseases of the stomach and other organs of digestion and nutrition. It enables the perfect digestion and assimilation of the food which is eaten. Thus it builds up the body and restores strength in the only way known to Nature or to science—by digested and assimilated food.

"While living in Charlotte, N. C., my medical cure of me of a most distressing case of ten years' standing," writes J. L. Lumsden, Esq., of Whitehall street, Atlanta, Ga. "At that time life was a burden to me, and after spending hundreds of dollars under numerous doctors I was dying by inches. I weighed only 135 pounds. In twenty days after I commenced your treatment I was well of both troubles, and in six months I weighed 170 pounds and was in perfect health. I have never felt the slightest symptom of either since. An excellent cure, old and in perfect health, and weigh 170 pounds. No money could repay you for what you did for me. I would not return to the condition I was in, in October, 1897, for Rockefeller's wealth."

Dr. Pierce's Pleasant Pellets assist the action of the "Discovery," when a laxative is required.

Township Councils.

RALEIGH COUNCIL.

The above council met on June 24th with all members present, as Court of Revision on the Shadwin drain. The Clerk reported having received two appeals, one from Jas. Newham and one from M. C. Ry. Co., as being assessed too high for benefit received. After considering the evidence given the M. C. Ry. Co. was reduced \$20, and the Clerk instructed to spread the amount pro rata over the whole drain, and the Court was finally closed.

In the Court of Revision on the Brush drain the Clerk reported having received two appeals, one from Wm. Reid and one from Jno. Houston. After hearing the evidence from interested parties the assessment of Wm. Reid was struck off, and that of Jno. Houston lowered \$8.37, and the amount spread pro rata over the balance of the drain, excepting the w 1-2 n 1-2 17, con. 15, and the w 1-2 lot 140, T. R. Range, and the Court finally closed.

The Council met and the minutes of May 27th and special meeting of June 15th were read and confirmed. A communication was received from the County Clerk, showing the county rate for this year to be \$4.63621, and Legislative grant to schools is \$500.

Also a notice stating that the Township was charged \$278.20 for the keep of three paupers for one year and one for 74 days at the County House of Refuge. Account F. V. fees, \$4.50, Brady vs. Thompson, ordered paid and charged to the lands.

A notice was received from Wm. Barry that Jno. Graham, of lot 2, Con. 8, had two dogs that were found worrying sheep and had refused to destroy them, and asked the Council to take steps to have the dogs destroyed.

James Clayton gave notice that he would introduce a by-law at next meeting to refund the surplus money on the following drains, viz, Rice, 18 and 19 Side Road, Bavin, Clonagh, smth, Doyle and Deary, in accordance with Sec. 66 of the Drainage Act.

A petition was received from J. Garrell and 50 others asking the Council to allow C. B. Oliver, M. D., some remuneration for attendance on the family of the late Robert Vinson.

R. J. Morrison addressed the Council in reference to the dog he wrote about last year as having died before the Court of Revision, and made

affidavit that the letter sent in then was correct. Ordered refund of \$1.00.

Mr. Morrison informed the Council that he was trying to get \$1,000 from the County to assist in building an iron bridge over Jeannette's Creek on the 3rd con. road, and asked the Council to appoint a committee to meet him at the bridge at a time he should set.

Jas. Clayton reported having a bridge built over the Olenasmith drain at lot 21, at a cost of \$13.00, Com. fees \$1.00.

P. J. Doyle reported having a bridge built over the Government drain at lot 13, Con. 10, at a cost of \$25.00, Com. fees 50c.

James Irving reported having a bridge repaired over the Symon drain on the 11th line, at a cost of \$2.00.

The Reeve submitted report that he had come to an agreement with Mr. Clark and Mr. Taylor in reference to the Clark ditch, and the Township was to furnish the tile and to do that part on the Centre road and Lake road.

Moved by Irving and Doyle, that the reports submitted be adopted and com. fees paid.

Moved by Irving and Clayton, that Thos. Brady be paid \$4 for one sheep killed by dogs and Fred. Stover \$14, two-hundred and three lambs damaged by dogs, as per certificate of inspector.

Carried.

Moved by Clayton and Doyle, that Jacob Olenasmith and wife be granted \$12 as temporary aid.

Carried.

Moved by Clayton and Irving, that the account of \$278.20 for keep of paupers at House of Refuge be paid.

Carried.

Moved by Doyle and Irving, that the Clerk be instructed to notify Jno. Graham to destroy his dogs forthwith.

Carried.

Moved by Doyle and Clayton, that the account of C. B. Oliver, M. D., for attendance on Robert Vinson and family be referred to the commissioner of division No. 3 to investigate and report.

Carried.

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Carried.

Council adjourned.

IN A FRONTIER SALOON.

The Youth Was Not So Much of a "Reverend" as He Seemed.

A strapping of effeminate rosiness and neat attire sat in the corner of a frontier saloon, modest, silent and as far out of the way as he could get. He had stepped from the train, and he was waiting for the stage. It was a small town, and he was the only stranger in it.

The city showed quite plainly in his hat, and it is still in dispute whether any dawn was visible upon his lip. But he was old enough to be smoking a cigar with all the appearance of habit. The cigar also was not a native of the town. In fact, the young man made no purchase upon entering the saloon. Nevertheless the proprietor seemed to know him.

The stranger had asked if he might wait there for the stage and had thanked the proprietor for his permission. Then he had sought his quiet corner and lighted his cigar.

A citizen walked out of the back room and up to the bar. He had left a fare game, and the proprietor was friendly with him, but respectful—that sort of respect which is reserved delicately with just enough familiarity to bring it out. It is probable that the citizen had had more drinks than the one he now took. It is also likely that he had not gone as well with him this morning as he considered his due. His dissatisfied eye fell upon the rosy youth and his cigar, and he took the glass from his lip and held it, considering the matter.

At length, without removing his eyes, he inquired, "What Christmas tree did that drop off?"

The proprietor hastened to take this view of the matter, and he answered, "I guess," he whispered jocosely. "I guess," he whispered jocosely. "I guess," he whispered jocosely.

The citizen remembered his whisky, swallowed it, set the glass gently down, gently drew his six shooter and shot the cigar to smash out of the young man's mouth.

Now, I do not at all know what I should have done in the young man's place. Something sensible, I hope. What the youth did I know I should not have done. You will see that his behavior was out of the common. He stooped down, picked up his cigar, found it ruined, put it in the spittoon, got a fresh one out of his pocket, found a match in his waistcoat, slid it along the seat of his nice breeches, lighted the new cigar and settled himself once more in his chair without a word of protest or an attempt at resentment. The proprietor saw him do it all and told about it afterward.

The citizen took the second cigar like the first. Perhaps he went a trifle nearer the youth's lip.

What were the card players in the back room doing at all this noise? They all lay flat on the floor, like the well trained, indigenous people that they were, minding their own business. For there was no rear exit.

The youth felt in his waistcoat pocket, but brought no match from it. So he rose, with still another fresh cigar in his hand, and walked to the bar.

"I'll have to ask you for a match," he said to the proprietor, who at once accommodated him.

Once again he slid the match beneath his coat-tails and, bringing up his own six shooter, shot the citizen as instantly dead as that can be done—Owen Winter in Everybody's Magazine.

The Bishop's Fun.

A few years ago a committee of angry low church men visited the bishop of Oxford, the late Dr. Stubbs, to complain of various ritualistic excesses of their rector. They were especially excited over the fact that the parson wore a red hood instead of the blue one to which he was entitled as a graduate of Trinity college, Dublin. "He carries a lie on his back," they cried.

As a matter of fact the accused priest had an Oxford degree as well as an Irish one, but the bishop did not argue the matter. "A lie," said he, with a comical smile, "is a hard word. Suppose you call it a falsehood."

And the committee laughed and withdrew.

Inconsiderate Incredulity.

Daughter—Father, I fear I hurt the count's feelings.

Father—In what way?

"I thoughtlessly told him I didn't believe he owed as much as he said he did."

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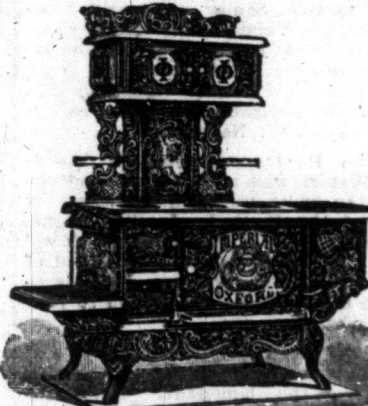
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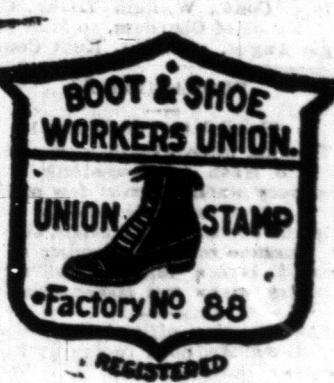
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