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IRISH MANUFACTURE—CLONBROCK TILERY GALY HARBOUR—KNOCKROGHERY—ATHLONE.—At this place, drain pipes are manufactured at a cheap rate, and we do not see why we might not have drain pipes manufactured in Canada at an equally cheap rate. They are sold at the kiln at the following rates for cash:—

Size.	Length in all.	Weight in	Price	Collars.	Price
inch.	inches.	cwt.	per 1000 wt.	wt.	per 1000.
1 inch	12 inches	10	10s	2½ cwt.	5s.
1¼	12	14	11	3½	6
1½	12	18	12 6d.	5	7 6d.
2	12	24	17 6	6	9 6
3	12	32	30		No collar.
4	12	75	50		Do.

The latter sized are well adapted for sewers and drains in public streets. There is another sort of drain tiles made at this place, which we believe would answer extremely well for draining. The improved scarf-jointed, square-bottomed, circular arch tile. This tile is superior to the circular tile in the following respects:—As the shoulders of the arch preserve the form and curve, while drying, it requires no rolling—it beds more firmly into the bottom of the drain. The circular opening is always kept exactly fair with the draining pipe by the scarf-joint. It has no hollow part under the joining of the pipe, as in the case of the collar tile; and it is perfectly easy to distinguish at a glance, when walking along the drain, whether or not the pipes are laid fair, which cannot be so easily ascertained under the collar system at the point of junction. It packs more solid in boats or carts from its square bottom and sides.

The extra clay to make the bottom square does not weigh so heavy as the collars; and, besides being cheaper, it is far more solid and durable.

The following are the prices of those improved pipes,—their weights, and diameters:—

Inches.	Length in all.	Weight in cwt.	Price per 1000
			£ s. d.
1	12	13	0 15 0
1¼	12	18	0 17 0
1½	12	24	0 18 6
2	12	32	1 5 0
3	12	56	2 0 0
4	12	84	3 10 0

For an English acre—or perhaps it would be more proper to calculate for a French arpent—it would require about 2000 tiles, to drain at eighteen feet apart. In England, the cost of cutting a drain three feet deep, laying in tiles, and filling in the drain again, costs very little over one-penny a yard, or six-pence the rood. In an arpent there would be about 100 roods of draining, at eighteen French feet apart, requiring about 2000 pipe-tiles, or square bottomed tiles. At twenty-four feet apart, about a fourth less tiles. At thirty feet apart, two fifths less tiles, and at thirty-six feet apart, only one half the number. The size of drains three feet deep, should be twenty inches at top, and five at bottom; and out of a drain of this dimensions, there is 56¼ solid feet of cutting in a pole or rood. A drain 3½ feet deep, would have 72 solid feet of cutting—4 feet deep, 90 solid feet, 4½ feet deep, 110 solid feet, 5 feet deep, 132 solid feet of cutting. Draining at the latter depth would cost in ordinary soil for cut