

BEST BLUE LARIVIÈRE GENUINE ANGERS ROOFING SLATES

FROM THE QUARRIES OF THE

COMMISSION DES



ARDOISIÈRES D'ANGERS.

GRAND PRIX ANGERS, 1894.

DEUX GRANDS PRIX BRUXELLES, 1897.

Proprietors—Messieurs. G. LARIVIÈRE & Cie., Angers.

Present Prices f.o.b. Nantes per Thousand of 1,200.

Prices.	Approx. Weight.	Prices.	Approx. Weight.	Prices.	Approx. Weight.
25 x 14 £12 12	6...76 cwt.	18 x 10 £5 15	0...32 cwt.	14 x 8 £2 17	6...19 cwt.
24 x 14...11 17	6...70 „	18 x 9...5 5	0...30 „	14 x 7...2 12	6...17 „
24 x 12...10 12	6...60 „	16 x 10...5 0	0...29 „	13 x 10...3 5	0...22½ „
22 x 12... 9 7	6...55 „	16 x 8...3 12	6...23 „	12 x 8...2 2	6...17 „
22 x 11... 8 10	0...49 „	14 x 12...4 7	6...30 „	12 x 6½ 1 19	0...12½ „
20 x 10... 6 17	6...36 „	14 x 10...3 17	6...25 „		

DISCOUNT AND TERMS—These will be sent on application.

All Slates are loaded at Purchaser's risk, with an allowance for breakage of 60 Slates per Thousand of 1,200 and delivery therefore will be considered complete when Slates are loaded at the Port of Shipment.

All orders are accepted subject to Production, Strikes, Acts of God, etc.

Insurance, if desired, can be effected at Purchaser's expense.

Agent for the United Kingdom, to whom all communications should be addressed, and from whom samples can be obtained:—

C. H. BROODBANK,

January 1st, 1903.

7, Martin's Lane, Cannon Street, LONDON, E.C.

LIST of the principal Public Buildings in Paris roofed with Slates
from the Quarries of the Commission des Ardoisieres,
D'Angers (Messrs. G. LARIVIÈRE & Cie., Angers, France:—

Ministère de l'Interieur

Do. Guerre

Do. Justice

Do. Instruction Publique

Do. Marine

Do. Finances

Do. Commerce

Do. Travaux Publics

Do. Télégraphes

Chancellerie de la Légion d'Honneur

Prefecture de la Seine

Do. de la Police

Palais du Trocadéro

Do. de Justice

Do. Royal

Do. Bourbon

Luxembourg

Le Louvre

Les Invalides

Les Archives

Ecole des Mines

Do. de Médecine

Do. Polytechnique

Do. Militaire

Muséum

Musée de Cluny

Collège de France

L'Observatoire

Sorbonne

Banque de France

La Monnaie

Beaux-Arts

Hôtel-Dieu

Conservatoire des Arts et Métiers

Eglise St. Augustin

Do. St. Eustache

St. Germain des Prés

Val de Grâce

Bibliothèque Nationale

Commission des Ardoisières, D'Angers, FRANCE.

Quarry Proprietors of

HARD AND DURABLE ROOFING SLATES.

The Angers Quarries of MESSRS. G. LARIVIÈRE & C^{IE}. have been worked continuously since the 12th century. These slates are **tough, straight, and even**, and in **holing and dressing** for the **roof there is nominally no breakage**. The colour is a greyish-blue.

The Architects of Paris, West, East, Central and South France always recommend these slates in preference to any others, **as they keep their colour and do not crumble**. The port of shipment, *i.e.*, Nantes, will show, as a rule, whether genuine Angers Slates have been supplied or not, although we understand that other slates than genuine Angers have been sometimes shipped from Nantes.

Buyers are respectfully requested to ascertain the true origin of the French slates they buy, in order to avoid disappointment or difficulty which may arise through misrepresentation.

Angers Slates are equal in durability and strength to the best Welsh slates.

WHERE SUPPLIED IN ENGLAND THESE SLATES HAVE GIVEN EVERY SATISFACTION.

Chemical Properties of the Slate from the Slate Quarries of Messieurs. G. LARIVIÈRE & C^{ie}., of Angers.

Chemical Composition according to D'Aubuisson:—

Flint..	48.60
Alumina	23.50
Oxide of Iron	11.30
Magnesia	1.60
Potass	4.70
Water	7.60
								<u>97.30</u>

This slate is a silica (flint) and is unaffected by acids and alkalis. It can therefore be employed with success for Galvanising and Electro-plating Vats, Laboratory Tables, Sinks, etc., etc.

BREAKING STRAIN $\frac{R}{10^6} = 7,046$.

This slate possesses a co-efficient of breaking resistance which exceeds that of the best oak, according to the figures supplied by all the treatises upon construction. Therefore it can be substituted for it in many articles, and has the additional advantage of not deteriorating under atmospheric influences.

ELASTICITY $\frac{E}{10^9} = 11, 5$ to 12. The co-efficient of the Elasticity of this slate is sensibly the same as that of a casting of average quality, and is much superior to that of all other similar materials in France.

RESISTANCE TO CRUSHING. 1,285 kilogrammes per square centimetre, *e.g.*, 2,834 lbs. per square 0.32371 of an inch, perpendicularly to the stratification, 877 kilogrammes parallelly to the stratification. These figures are equal to the co-efficient of the resistance of the best Granites.

DENSITY NON-POROSITY 2, 9. This figure of density is very high, and close to the co-efficient of the resistance of crushing, and is sufficient to account for the non-porosity of the slate. Further proof is supplied in a practical manner by the numbers of existing applications to Beer Vats, Water Tanks, Acid and Alkali Tanks, etc., etc.

VARIOUS PROPERTIES. This Slate can be planed, turned, and drilled with facility.

WE would draw particular attention to the fact that our slates are Genuine Angers and our reason for alluding to this matter is in consequence of the practice which has been, and is, at the present moment, adopted of associating the name of Angers with slates of a different character. Some of these slates are designated "ANGERS VEIN," some "FROM THE ANGERS BASIN," and others "FROM THE ANGERS DISTRICT." Occasionally, they are offered and sold as "ANGERS," when the quarries from which the slates come are situate about 40 to 50 miles from Angers, and cannot, therefore, be fairly designated "ANGERS."

It appears to us that the word Angers is only adopted for the purpose of leading buyers to think that the slates are of the same character as ours, when they are not. To use the word "Angers" in connection with a slate not quarried in Angers seems to us an admission that our quality is superior because, if these particular slates are equal to Angers, they certainly should be sold under their right designation, *e.g.* under the name of the actual locality, town, or quarry, from which they come.