

frames in hot-houses ought to be as thin as possible, and therefore iron is preferable to wood. More light also will pass through a sloping or level frame than through an upright one, and through a domed or curved roof than one that is plane; because the rays of light always go in straight lines from the sun.

This singular propensity of plants to turn to the light has been supposed to indicate something akin to animal instinct; but when the cause is closely examined, this will not appear to be any better founded than that of a piece of writing paper bending into a semicircle when held to the fire; for both the motion of the plant and of the paper depend on the same cause — namely, the hardening and stiffening of one side, while the other remains soft and flexible. In the case of the paper, the side next the fire has its moisture carried off evaporation more rapidly than the other side next the fire; and in the plant, the side most exposed to the light is in the same way rendered more firm, contracted, and shorter than the one less exposed. The very long shoots of the potatoe in the dark cellar seem to be caused by the softness of the blanched substance offering no resistance by contraction to the lengthening out of the parts.

It will follow that all colour, flavor, smell, and nutritive qualities, depend for their production chiefly on the action of light. The red colour of forced rhubarb, which seems to be an exception, arises from the red matter previously produced, by the agency of light being carried up from the root.

It hence appears, that the study of the laws and action of light, is of the first importance to a correct knowledge of scientific gardening.

[The effects of *Heat* and *Electricity* will be considered in our next paper.]

CARD.

Mr JAMES FOCO, Attorney at Law, has opened office in Mr Robert Dawson's new stone building, opposite the establishment of Messrs Ross & Primrose, where he will be prepared to transact business in the various branches of his profession.

Entrance to the office, by the Western end of the Building.

May 31st if

THE NEW-BRUNSWICK SENTINEL.

THE above Paper will be commenced at Fredericton early in November; and will contain, in addition to a variety of Literary, Commercial, and Political Information, Reports of the debates in the Assembly of New Brunswick, and also selections of the most interesting of those which may take place in the Imperial Parliament, as they shall appear in the London weekly papers.

The facility with which intelligence is conveyed to New Brunswick from the United States, requiring only three days for its transmission to Fredericton from Boston; together with the interest which accounts from that quarter usually possess, will recommend *The Sentinel* to the people of this Province.

Agricultural Intelligence shall find a place in the columns of the proposed publication; and although an under-portion of it, will not be devoted to the temperance cause, yet such information connected with the subject will appear from time to time as can conveniently be inserted, consistent with the varied and peculiar arrangement of a Newspaper, and without being offensive to the general reader.

The terms of *The Sentinel* will be 15s per annum, half in advance, exclusive of postage, while it shall be executed. Those of our friends in this Province, who may desire to obtain the paper, can do so by notifying the nearest Agent, or the neighbouring Postmaster; and as it will be conducted on liberal, constitutional, and strictly temperance principles, we trust it will meet with extensive support throughout the Colonies.

EDMUND WARD.

Halifax, October 12, 1837.

100 BARRELS CORN MEAL for sale by ROSS & PRIMROSE. Pictou, August 29.

FOR SALE.

TO BE SOLD AT PUBLIC AUCTION, ON THE PREMISES, On Monday the 20th day of November next, at 11 o'clock, a. m.

If not previously disposed of at private sale :

ALL that lot, piece, or parcel of LAND, situate and being in the town of Pictou, on the north side of Church street, and is described as follows, vizt. Beginning at the south west corner of a lot of land formerly owned by John Patterson, sen., deceased, (and now in the possession of Messrs Hopburn and Campbell,) thence running north 8 degrees east, ten rods; thence north 82 degrees west four rods; thence south 8 degrees west, ten rods or until it strikes the north side of Church street aforesaid; and thence south 76 degrees east along the said street to the place of beginning, (excepting out of, and from the same, the dwelling house and school house now in the possession of, and occupied by Mr James Hogue.) There are upon the premises,

TWO GOOD DWELLING-HOUSES, An excellent SHOP, and Out-Houses.

It will be sold in one or two lots to suit purchasers. The premises can be viewed at any time on application to the subscriber.

Terms liberal, and will be made known at the time of sale.

JOHN LINDSAY.

Pictou, 11th October, 1837.

REMOVAL.

MRS MILNES returns thanks for the patronage she was favored with in her former residence on Church street, and hereby intimates that she has now removed to that commodious House on Water street, lately occupied by J. R. Kitchen, where she intends carrying on Business in the Millinery and Grocery lines.

A few Boarders can be accommodated; and she can let Lodgings for a genteel family either furnished, or not, as wanted.

Pictou, 13th Sept. 1837.

NOTICE TO LICENCED TEACHERS.

THE several Licenced Teachers throughout the County of Pictou, are again reminded of the necessity of forwarding their *Half-yearly School Returns*, to the Board of School Commissioners, by the first of December next.

M. T. SMITH, Com'r's Clerk.

Pictou, November 1, 1837. if

FARM FOR SALE.

THE Subscriber intending to quit the Province a short time, offers for sale his

FARM, STOCK, FURNITURE, &c.

as it now stands, situated on the West River of Pictou, seven miles from town, on the road leading to Halifax, and intersected by the roads leading from Rogers Hill, Loch Broom, Albion Mines, Green Hill, &c. all of which meet on the property; the new bridge on the river crosses at the door, — forming one of the most desirable situations for business to be found in the county, with every prospect of its soon becoming a thriving village. Three sides of the property front the roads, which will cause it to be highly valuable hereafter, should the possessor wish to dispose of any part of it in Lots: The land is of first quality, well watered, and lying dry; it abounds in freestone of good quality for building, and a sufficiency of wood for fencing, &c.

For further particulars apply to Mr N. Beck, in Pictou, or to ALEXANDER FORSYTH, West River, December 20th, 1836. if

20 SIDES NEATS' LEATHER for sale by the Subscriber, low for cash.

JAS. DAWSON.

Sept. 13, 1837.

SNUFF.

For sale at the Micmac Tobacco Manufactory, No 74, Bedford Row, A large quantity of SNUFF, of different kinds.

FIG TOBACCO AND CIGARS.

N. B. A large discount to wholesale purchasers of Snuff.

Halifax, August 14, 1837.

BOOKS

FOR SALE AT THE STORE OF JAMES DAWSON.

* * A discount of 10 per cent. on purchases above twenty shillings.

[Catalogue continued.]

BRITISH CYCLOPÆDIA, viz:		price.
Arts and Sciences,	2 vols.	40s
Natural History,	3 vols.	60
Geography and History,	3 vols.	60
Beattie's and Collier's Poems		3 6
Blair's Lectures, abridged		3
Bogotky's Golden Treasury		7
Bradgewater Treatises, complete,	12 vols.	200
British Constitution		4 6
Book of Fate		1
Bradshaw's Copy Lines		6
Beza's Latin Testament		5
Belisarius		6
Bunyan's Pilgrim 3s.	do. bound	5
Baptist Hymns		4 6
Bradshaw's Atlases	10s to 15	
Brown's airs for the Flute		2 6
Violin		2 6
Boston's Four Fold State		7
Crook in the Lot		1 6
Butler's Catechism		6
Bombardier and Pocket Gunner		4
Barrow on Man's Responsibility		8

BIBLES, viz:

Imperial 4to. fine calf	45
Royal 4to. calf (Psalms)	35
Do. 4to. fine sheep (Psalms)	30
Do. 4to. com. do. (Psalms) 25s	17 6
Svo. calf	7s 6d to 14
School size, with Psalms	5
Do. no Psalms	4
Pocket size, sheep	7
Do. 2 vols. fine tuck	10s to 11
Do. 2 vols. sheep	9
Do. 1 vol. fine tuck	8s to 9

CHAMBER'S EDUCATIONAL COURSE, viz:

History of English Literature	4
British History	4
Introduction to the Sciences	1 6
Chemistry	1 9
Infant Education	3
Cuvier's Animal Kingdom, by McMurtrie	17 6
Campbell's Poems	15
Christian's Companion in Adversity	3
Cowper's Works	3
Combe's Phrenology	2
Constitution of Man	2 6
Catechism of Phrenology	1 6
Clater's Cattle Doctor	9
Cabinet Lawyer	15
Colquhoun on Saving Faith	7 6
On Spiritual Comfort	7
On Law and Gospel	6 6
Circumnavigation of the Globe	6 6
Cecilia, a novel, 2 vols.	12
Compleat Farmer	10
Common Prayer, embossed	3 6
Do. fine, roan tuck,	5s to 6 6
Church of England Catechism	3
Cabinet of Curiosities	7 6
Collectanea Majora, vol. I. 15s. Vol. II.	18 6
Carson's Tacitus, (Latin)	18 6
Chinese Tales	6 9
Chesterfield's Advice to his Son	2
Corderii	3
Cornelius Nepos	4 6
Cæsar	6 6
City of the Sun	3 6
Collin's Poems	6 6
Confession of Faith, 18mo	6
Cottage Bible, 3 vols.	63
Common Events	10
Curious Book	10
Catholic Manual	2 6
Courtenay's Mechanics	12 6
Cooney's New-Brunswick	10
Sermon	1 3