All animals are designed by the great throated humming-bird. And sometimes plish some end in the economy of nature. ruff in his neck, that it can set up and Bees are geometricians: their cells are so down at its pleasure, and then it is called a constructed as, with least quantity of ma- "coquette." terial, to have the largest sized spaces, and the least possible loss of interatice. So al- among the brightest acenes of nature. so is the ant-lion; his tunnel-shaped trap flashes from flower to flower with the rais exactly correct in its conformation as if pidity of lightning, and hovers over first if it had been made by the skilful artists of one and then another. His food consist our species, with the aid of the best instru- of the tiny insects that live among the ments. The mole is a meteorologist. The petals, and Nature has provided him with a bird called the nine-killer is an arithmeti- long and siender bill purposely for picking cian; and so, also, is the crow, the wild them out turkey, and some other birds. The torpedo, the ray, and the electric cel, are electricians. The nautilus is a navigator: he upwards and the bird is called the avocet raises and lowers his rails, casts and weighs his anchor, and performs other nautical evolutions. Whole tribes of birds are musicians. The beaver is an architect, build-

and erects houses and dams. The marmot is a civil engineer; he not and then are separate. It is very sticky, only builds houses, but constructs aquaduets and drains to keep them dry. The sects stick to it, and cannot get away. And white ants maintain a regular army of sol- the edge of the tongue is fringed with tiny diers. The East India ants are horticul- bristles, that still further help to entrap turists; they make mushrooms, upon which | them. they feed their young. Wasps are paper | The family name of Nectarinda has for a boat, and his tail for a sail, he crosses flowers. a stream. Degs, wolves, jackals, and many The name of sun-bird is very is very apantelopes live under a patriarchal government. Elephants exhibit an aristocracy of elders. Wild horses are said to select their leader. Sheep, in a wild state, are

Here, is opened up a wide field in illustration of our subject; we do not, however, intend to go over the whole, but to confine ourselves to a few salient points as sufficient adequate ideas of it.

I. The useful operations of animals. There is no animal without use in the though many have supposed the contrary a vile, disgusting, black caterpillar, that They are very humble, but are very effici- breeds in incredible numbers, loves the tree ent servants of the agriculturist; and far from injuring his meadow and his garden, pand than the 'measurer' begins to disport they devote themselves with themselves himself by dangling from the boughs. All R. Godfrey. with the most praiseworthy assiduity to turning over the soil to a greater depth than can be done with the best apliances known to science. These animals-tor so they are classified by the naturalists-are substances in at one end and passing them out at the other. This simple process of secretion; and the worm has a habit, when he has filled himself with earth, of ascending to the surface, turning round and working himself back again into the ground. This operation unloads him, and the process repeated by millions of his fellows, cannot but have a highly beneficial effect upon the quality of land. It is said by Mr. Darwin that these worms have been inches in the course of 80 years. A slow injuring its roots in the slightest degree.

themselves to neutralize the bad effects of from the culture and manufacture of the corrupt matter on society. An unexpected fibres spun by the silkworm, of which the friend to man has been discovered in a annual circulating medium is said to be kind of animalculæ engendered by sewage, £40,000,000. In England alone-to say which prevents the decomposing matter nothing of the other foreign parts of Eufrom becoming a dangerous nuisance. Mr. rope-£100,000 is spent every year in the Angell, the public analyst for Hampshire, purchase of foreign honey, apart from the Southampton water, has discovered that value of that which is native, and 10,000 where the suspended matters are thickest, lbs. of wax imported every year. Besides there is going on a silent destruction of the all this, there are the gall-nuts, used for foul matters, through the agency of millions dyeing and making ink; the cantharides, of minute creatures, by some held to be of or Spanish fly, used in medicine. In fact, animal, but by Mr. Angell believed to be every insect is contributing in some way to of vegetable origin. On examining the swell the amount of commercial gains or muddy fluid through a microscope, it was found to contain millions of little brown organisms, surrounded with a gelatinous substance. Each specimen was found to be active in its movements and of peculiar animal remains found in the Rocky Mounshape, being furnished with a belt of cilia tains show the gigantic size of the monsters round the centre of the body, and with a of prehistoric ages. The bacbone of one long transparant and very flexible tail, animal is three and a half feet wide, and After death, these tiny atoms give off an implies a neck fully five feet in width. The odor similar to that of seaweed, and change diplodveus was fifty feet long. Dinosauri to a green color. During life they evolve ans were exhumed 25 feet long. The bubbles of oxygen gas, which serve to puri- atlanta-saurian, a lizard-footed animal fy the water from the effects of the decom- must have been forty feet long when alive. posing matter on which they themselves Another animal, embedded in a hard ma-

polluting rivers with sewage, should stand difficulty, after much blasting, was thirty so much in need of this self-developed sca- feet long. Such were some of the monsters Custom Sawing of Lumber 2. The productive labor of animals. In Rocky Mountains. They were reptiles. the various compartments of nature, ani. and most of their friends and foce were the mals do good service in the way of product-ive labor, some indirectly and others direct- What eggs some of these reptiles must ly. Among the first class are populious, have laid, may be imagined, when one fewho take up their abode in our premises, male atlanto-saurian is described as one please us with their twitter, divert us with hundred feet long, with thigh bones meatheir gyrations, and destroy insects inimi- suring 9 feet, and peobably 85 feet in Bockville Mills.

cal to our fruit and grain. The sun birds height.

do a similar service for us among our flow ers. The humming-bird family is a very large one, and contains all manner of brilliant little creatures, with names such the topaz, and the amethyst, and the ruby

Sometimes the bill is straight, and some

times it is curved. In some species it curves humming-bird; in others it is bent like

The tongue is slender, and can be put out to a great length. It is made up of two parts, like round tubes, that are laid er and wood-cutter: he cuts down trees side by side for nearly their whole length, Fashionable and when it is thrust into the flower the in-

manufacturers. Caterpillars are silk spin- been given because the bird sips the ners. The bird ploceus textor is a weaver; nectar of the flowers, and was once supposhe weaves a web to make his nest. The ed to live entirely on honey. But it is primia is a tailor: he sows the leaves to- now well known that the sun-bird feeds gether to make his nest. The squirril is a very much on insects, and only gives zest ferryman : with a chip or a piece of bark to his banquets by a sip of the juices of the

others, are hunters. The black bear and propriate, since the sunlight has a remarkheron are fishermen. The ants are regu- able effect on its plumage, and makes it lar day laborers. The monkey is a rope look like gold and precious stones. This dancer. The association of beavers presents effect is really produced by the bird, as he us with a model of republicanism. The moves his muscles, and changes the posibees live under a monarchy, The Indian tion of his feathers, throwing them every moment in a different light.

special notice. There are, according to the great French naturalist, Buffon, who someunder the control of a military or chief times angrily calls the sparrow an "idle Listowel—First Friday in each month.
glutton," no less than 67 varieties of this Fergus—Thursday following Mount Forest. well-known bird. The best known of the Rosemont-Fifteenth of February, April 67-all of them inhabitants of the old or Eastern Memisphere, and none of them known except by name in the Western Orangeville-The 2nd Thursday in each world-are the house-sparrow, the treesparrow, and the hedge-sparrow. They do Flesherson-Monday before Orangeville. invaluable service in their respective abodes economy of nature, but every one performs by the destruction of noxious creatures in some office or other for the general good. onr fields and gardens. The plague of In many cases this may not appear obvi- caterpillars, especially of that known as the ous, but it is nevertheless a fact, that there "measure worm," is beyond conception to arises nameless and endless results from to the dwellers in our more fortunate isles. the operations of animals in the economy In the hot summers-and it should be re of nature. A series of facts may be adduc- membered that even the most Northern ed in proof of this position, but one or two- States of America enjoy (or suffer from) s may suffice-Some act the part of the agri- climate similar to that of Spain er Morocculturist, among which are worms, prepar- co-the shade of trees is agreeable, and in ing the land by laborious efforts for abund- the principal streets of the principal cities, ant crops.—These insignificant and the alanthus, the elm, the maple, and othunattractive creatures are of the greatest er trees are planted, both for their beauty benefit to the fields which they inhabit, and utility. Unluckily, the measure worm

also, and the earlier leaves no sooner ex-

such pests are kept in check by the sparrows. They have, therefore been naturalized in Australia and with the greatest success. Mr. Edward Wilson consigned a Monday evening, young peoples prayer meeting at 8 p. m.; Wednesday evening, Bible class at 8 p. m. rows. They have, therefore been naturallarge number of healthy birds to Melbourn. scarcely more than animated tubes. They They were let loose immediately on arrival, seem to live by taking earth and earthy and belook themselves to the tiles and treetops; they speedily began to pair an breed, and make themselves at home. So digestion is aided, however, by a mucuous greatly have they flourished-it is to be in the first instance at the expense of the gnate and catespillars that the gardeners in the neighborhood of Melbourne have begun to complain, just as the gardeners and farmers foolishly do at home of their depredations upon the peas and cherries. We would havegreater abundance of fruit and grain, had we more such assistance] in the work of production. known to cover a field to the depth of 13 But to pass to the other class, there are animals that contribute directly and largely process, to be sure, but so are all the pro- to productive labor; and besides doing so cesses of nature. This, however, is not all during life, their carcasses, skins, furs, and that they do. They carry their shafts or several parts of their bodies become invaluor galleries to a depth of several feet, and able articles of commerce. Great Britain cross and intersect in all directions, loosen- pays annually \$1,000,000 for the dried ing the soil, opening it to the air and water bodies of that tiny insect known as the and, in short, doing all that they can to cochineal; while another also peculiar help vegetation, without preying upon it or India-shellac, or rather its production, is scarcely less valuable. More than 1,500,-Others act the part of chemists, giving | 000 human beings derive their sole support

GIGANTIC PREHISTORIC REMAINS .- The feed. It is a pity, however, that man, by trix of rock, which was removed with

Gooods. E. & A. DAVIDSON

CAMERON

STOCK

Consisting in part of the following

The Royalist Trimming especially shaped for collars & cuffs PATENTED CHINELLA NECK TIES, MUSLIN TIES, NET TIES, LACE TIES FRENCH FANS, FANCY FANS, DAMASK POCKET HANDKERCHIEFS, NEW METAL DRESS BUTTONS, & A LOT OF SUN SHADES, All of which will be sold at very low prices.

JOHN CAMERON. Durham, May, 15, 1879.

MONTHLY CATTLE FAIRS.

Durham-Third Tuesday in each month. Priceville—Monday before Durham. Hanover—Monday before Durham. Mount Forest—Third Wednesday in each Guelph-First Wednesday in each month.

Harriston-Friday before the Guelph Fair. Drayton-Saturday before Guelph. Elora—The day before Guelph.
Douglas—Monday before Elora Fair. Sparrows, too, demand, in this respect, Hamilton-Cyrstal Palace Grounds, the day after Guelph

Berlin-First Thursday in each month Brampton - First Thursday in each month June, August, October and December. Orangeville Fair.

Dundalk-Tuesday before Orangeville. Shelburne—Wednesday before Orangeville. Marsville—Second Wednesday in each

Walkerton-The last Wednesday in each Mildmay - Last Wednesday of each

DURHAM DIRECTORY TRINITY CHURCH.

Sabbath services at 11 a. m. and 7 p. m. Sunday School at 2 p. m. Rev. H. B. Wray, B. A., paster Church Wardens, H. J. Middaugh and Elias Edge PRESBYTERIAN CHURCH.

Divine Service every Sabbath at 11 a, m, and 6:30 p. m. Sabbath School at 2:30 p. m. Prayer meeting every Wednesday evening at 7:30. Bible Class every Phursday evening at 7:30. Rev. Wm. Park, pastor. C. METHODIST CHURCH.

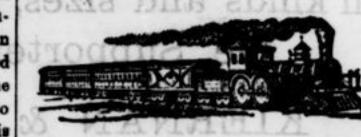
Services every Sabbath at 10:30 a.m. and 6:30 p.m.
Sabbath School at 2:30 p.m. Prayer meeting every
Thursday evening at 7 o'clock, and Bible Class
every Monday evening at 8 o'clock. Pastor - Rev.

S. G. REGISTRY OFFICE.

Thomas Lauder, Registrar; John A. Munro, De-uty-Registrar. Office hours from 10 a. m. to 4 p.m. Town Hall—open every Friday evening from 7 to 9 o'clock. Shares \$1, annual fee 50 cents. Alexan

DURHAM LODGE No. 306 OF A. F. & A. M.

DURHAM L. O. L. No. 632. Night of meeting, Thursday on or before u moon in each month. T. Carson, Sec.



CHANGE OF TIME. On and after MONDAY, 5th May, 1879,

OBANGEVILLE. Depart 7:15 a. m., 11:35 a. m., 5:40 p. m.; Arrive 11:10 a. m., 4:25 p. m., 8:20 p. m.; Depart, 11:30 a. m., 4:45 p m. Arrive, 11:15 a. m., 5:20 p. m. Depart 11:45 a.m., Arrive 11:00 a. m.;

Depart 6:30 a. m., 12:00 floon. Arrive 4:00 p. m., 10:15 p. m. TEESWATER

War, War!

AND SHINGLES HINGLES LATH AND LUMBE on hand and sold at down hill prices.

J. W. CRAWFORD,

DURHAM Carriage Works.

ROBERT McFARLANE, Manufacturer of

Carriages, Buggies, Democrat Wagons, etc.,

OF THE VERY BEST MATERIAL good finish, and at prices as low as any other Primrose-Wednesday preceding the Those in need of Such Articles would do well to Jall and Inspect My Stock. The Subscriber is also Agent for All Kinds of

> FARM IMPLEMENTS ROBERT McFARLANE, Durham.

NEW GOODS

W. F. DOLL'S. Watchmaker,

&c., OF Flesherton.

iver and Electro Plated Good-

Gold and Siver Watches, Ladies and Gents Wedding and Engagement Rings, Gold Lockets, Charms, Chains, Keys, Pencils, Pens, &c., &c. A beautiful line of Clocks. A large line of Fancy Goods, Spectacles, Violins, Fife, Concertinas, &c

Repairing a Specialty.

Flosherton, December 18 1878.

THOMAS SMITH. Saddler, Tanner

Shoemaker, No. 5, Garafraxa Street,

LOWER TOWN, - - DURHAM

The Highest Market Price paid for Hides and Skins.

Durham, December 19th 1878.

ATARR CONSTITUTIONAL Catarrh Remedy

Hear what a Reverend Gentleman says of the Constitutional Remedy

of it you may see proper

Ask for Littlefield's Constitutional Catarrh Remedy and take No Other T.J. B. HARDING, Dominion Agent, Brock- Mowers, Reapers, Sulky Hay Rakes, Laidley & Stewarts For Sale by all Druggists at only one Dolla per Bottle.

CREAT WESTERN



WE MEAN IT, and are prepared to demonstrate the fact. OUR AUGERS are operated entirely by HORSE POWER, and GUARANTEED to bore at the rate of 10 to 15 FEET PER HOUR.

They Bore from 3 to 6 Feet in Diameter, and ANY DEPTH Required!

They are WARRANTED TO BORE SUCCESSFULLY IN ALL KINDS OF EARTH, SOFT SAND and LIMESTONE; BITUMI-NOUS STONE COAL, SLATE, and HARDPAN, and make the BEST OF WELLS in QUICKSA D, GRAVEL, and CAVY EARTHS.

They are Easily Operated, Simple in Construction, and Durable ! The Cheapest and Most Practical in the World MANUFACTURED AT OUR OWN WORKS, from the Very Best of Material, by Skilled and Practical Workmen.

GOOD ACTIVE AGENTS Wanted in Every County in the United States and Canada, to whom we offer liberal inducements. Send for our Illustrated Catalogue, Prices, Terms, &c., proving our advertisement bona fide. GREAT WESTERN WELL AUGER WORKS

St. Louis, Missouri.

MONEY SAVED

BY BUYING A GOOD STPPLY OF

GOODS and GROCERIES At J. H. HUNTER'S.

W. F. DOLL. I beg to inform the public that shortly before the increased duties were imposed under the "National Policy" tariff I purchased an

Immense stock of Staple Dry Goods. Groceries &c. And intend offering them at the old LOW Prices for 30 days.

As all kinds of goods must shortly go up in price, many lines having already advanced, all who require goods will save money by Buying now at

J. H. HUNTER'S.

NOW is the time to buy a CATTY of that Choice Japan Tea at 45c. put up in a neat NOW is the time to buy a PIECE of GOOD CHEAP FACTORY COTTON.

PRINTS FROM 5c. PER YARD UP.

FACTORY COTTONS From 5c. per yard By the Piece. TEA FROM 20c. PER POUND.

clover seed, Grass seed, Garden seeds & Turnip seed

Very Cheap.

J. H. HUNTER'S

Durham, April 2nd, 1879.

The subscriber begs to inform the public that he has a large Stock of STOVES and TIN

CHEAP FOR CASH OR TRAE, Cook, Parlor and Box Stoves. Particular attention paid to Eavestroughing.

for Sheepskins and Agent for the Superior Broadcast Seeder and Drill. Also the Galloway Sulky Rake-the

Durham, Feb. 26th, 1878.

WM. JOHNSTON, Jr.,

T. A. HARRIS.

[Agent for the sale of all kinds of

Improved Gang Ploughs. &c Buy It! - Try It! The Subcriber is agent for the sale of the celebrated MOWER manufactured by the TORONTO REAPER & MOWER COMPANY. BEST sto see per day made by ALSO Note and Book Accounts collected on reasonable terms.

Particulars and samples worth see free. Improve your spare time at this business. Address STINSON

To a Co. Portland Mains;

Durham, April 4, 1878.

Durham, April 4, 1878.

26 COLUMN PAPER

AND EDITORIALS

Normandy, Egremont, Proton, Artemesia Osprey, Melanethon and other Town ships makes it one of the

Best Mediums for Advertises

Good Family Newspaper

"Grey Review."

Price \$1.25 per Annum,

If not paid in advance

POSTAGE FREE

Job Department,

Is now fitted up in the very best style, and

Possesses great Facilities for doing all

Having lately made an addition

Best Style of the And with the Greatest Promptituds

OF THE LATEST

e no avoid or from to bleig fater J. TOWNSEND

PROPRIETO

IN PUBLISHED

Every Thursday

TERMS: -\$1,00 per your in Advance wa. \$1.25 if not paid within two months

RATES OF ADVERTISING

USINESS DIRECTOR

LEGAL E. D. MACMILLAN, DARRISTER, ATTORNEY, &c.

MEDICAL DR. KIERNAN RADUATE of Victoria Univ

VETERINARY SURGEO

MISCELLANEOUS.

Geo. J. Matthews. Make Cabinet

Wood Turning,

Watson Bros. Carpenters and Builders

The British Hotel, Durham

Boot and Shoemaker, OUTH END, Durham, near Catt

Yard Hotel, having commenced business the above line would respectfully solicit a share natrogage of the public. be very best material used; workman gk in the principal cities of Canada s americ Master Shoemaker in Her Majest

Pine Calf Boots, sewed, from \$5,50 to \$6.

pegged.from \$4.75 to \$5.4