

NATURE'S BOARD OF HEALTH.

(How Animals and Insects Act as Scavengers.)

(From the Continent.)

In Nature's housekeeping the odd and ends are always utilized. Although she sets forth feasts for her creatures without stint, she permits nothing to be wasted. She converts her heaps of vegetable rubbish into hotbeds of other forms of plant life. A wonderful, varied vegetation springs from the fallen tree and fattens upon its mouldering trunk. She practices a similar economy in the management of the other branches of the organic world. Animal refuse is not only removed and the evils resulting from its presence eliminated, but every scrap is made available for building up the living tissues of other animals.

"What becomes of all the dead birds?" is a common query. What, indeed, becomes of all the dead animals of every kind? It is very necessary that some disposition be made of them. Their lifeless remains could not be allowed to fester in the sun and taint the air we breathe. Nature, in order to rid of such substance, has adapted some members of the different classes of animals to act as scavengers in her domain, and while she is making them useful as such, she is, at the same time, providing them with suitable food.

Famous among four-footed scavengers rank the hyenas of Asia and Africa, famous for preferring their food at "second hand." An allied animal, the aard wolf of South Africa, performs the same good work for the plains in which it lives. The dog-like jackals, which have about the same distribution as the hyenas, resort to the native villages at nightfall and clean the streets of all garbage.

In the vast pampas of South America we find the armadillos performing their share of the great work, which is the removal of the horses and cattle which perish in great numbers during the long droughts. Seventeen species are found between Texas and Terra del Fuego.

Nature's "Sanitary Commission" has very efficient officers in the persons of the gray wolves and coyotes of our own broad prairies. They clear away the refuse of numberless camps, and the remains of buffaloes and other animals that die from various causes, and which, but for them, would fill the air of heaven with deadliest poison. They devour great numbers of dead salmon, which line the shores of the Columbia river at certain seasons of the year.

The crocodiles of the Ganges are a blessing to that sacred stream. Their ever-ready jaws engulf everything adverse to the purity of the water. If, perchance, any decaying bodies escape the vigilant crocodiles, and are carried out to sea, they become the prey of ravenous sharks, the scavengers of all oceans. Crocodiles of one kind or another are found in all warm countries of the world.

The feathered carrion-feeders render inestimable service to man from the readiness with which they approach the habitations, and the greed they manifest for offal. Vultures are the chief bird-scavengers, and are distributed over all the habitable globe, except Australia. In many tropical countries they dwell unmolested in cities and towns, living on intimate terms with the inhabitants, and sharing with the dogs the garbage of the streets.

The adjunct or gigantic stork is the veritable scavenger of Calcutta and other Indian towns.

Insignificant as the scavenging of insects may appear in comparison with that accomplished by large animals, the aggregation of their work far outweighs that of all others. Let those who would know the physical uses of flies, mosquitoes, and other pestiferous creatures of this class, learn from their mode of life how greatly they contribute toward restoring natural equilibrium. Insects are clearly beneficial in other ways than as scavengers, but their work as such can only be mentioned here. Flies of different kind resort to a carcass as soon as it is exposed to their attacks and deposit thousands—yes, millions—of eggs, which, in a few hours, produce the well-known white larvæ, or "maggots." Who has not seen myriads of them? May not flies exist chiefly for the sake of the benefits resulting from their larval state? From the immense number of maggots produced by a single flesh fly, perhaps 20,000, Linnæus estimated that three of them could devour a horse as quickly as could a lion.

Mosquitoes are scavengers of almost equal rank with the flies, but the larvæ develop in stagnant pools and miasmatic marshes instead of corrupted animal matter. Thousands of them may be seen in a rain-barrel under the gutter-spout. A practical demonstration of the scavenging of beetles may be had in summer time without far seeking.

From the apparently insignificant labors of such humble creatures, nature rolls up an astonishing aggregate. Her "house-cleaning" is a work of no common proportions. Her workers, big and little, are everywhere present—on mountain and plain, in forest and stream—aye, in very ocean depths.

"What are you crying about?" asked a kind-hearted stranger of a lad who was standing in front of a newspaper office weeping as if his heart would break.

"Oh dad's gone up stairs to lick the editor."

"Well, has he come down yet," pursued the gentle Samaritan.

"Pieces of him have," explained the boy, indulging in a fresh outburst of tears, "and I'm expecting the rest every minute."

ALIAS SUMMONS.—Territory of Montana, County of Gallatin, ss. In justice court, before Newton Seward, Justice of the Peace. John P. Nolan, plaintiff, vs. E. F. Coughlin (whose christian name is to plaintiff unknown), defendant. The people of the territory of Montana, to E. F. Coughlin, greeting: You are hereby commanded to be and appear before the undersigned, one of the justices of the peace in and for said county, within ten days after the service of this summons upon you by publication, at my office at Livingston, in said county. The above action was brought to recover in the aggregate the sum of twenty-eight and 50-100 dollars; twenty-one and 50-100 dollars being for board and lodging alleged to have been furnished you at your request by the above plaintiff, at said Livingston, between Nov. 3rd, A. D. 1888, and Dec. 3rd, 1888, and seven dollars being for merchandise sold and delivered you, by Higgins & Ennis, at said Livingston, at your request during the month of November, A. D. 1888, the account of which, is alleged to have been assigned to the said plaintiff, for value by Higgins & Ennis before the commencement of this action, and in pursuance to a writ of attachment issued in the above action, all money due and owing you from the Northern Pacific Railroad company has been attached. And you are hereby notified, that if you fail to appear and answer to the plaintiff's complaint, the said plaintiff will take judgment against you in the sum of twenty-eight and 50-100 dollars and for the costs and disbursements of this action.

Given under my hand this 7th day of December, 1888.

NEWTON SEWARD, Justice of the Peace.

SAVAGE & ELDER, Attorneys for Plaintiff.

ALIAS SUMMONS.—Territory of Montana, County of Gallatin, ss. In justice court, before D. H. Budlong, Justice of the Peace. William V. Jones and Edwin N. Edwards, as W. V. Jones & Co., plaintiffs; Nick Beget, defendant. The people of the territory of Montana, to Nick Beget, the above named defendant: You are hereby summoned to be and appear before the undersigned, one of the justices of the peace in and for said county, within ten days after the service of this summons by publication, 1888, at 9 o'clock a. m., at my office at Livingston, in said county. The above action was brought to recover the sum of one hundred and sixty-two dollars and ninety-eight cents, being a balance due for goods, wares and merchandise sold and delivered to you between the first day of July, A. D. 1888, and September 15th, 1888, at Gallatin county, at your request, besides the costs of this action. The following property belonging to you, the defendant, has been garnished by virtue of a writ of attachment, issued out of this court on the 8th day of October, A. D. 1888, to-wit: All moneys, goods, credits, effects, debts, due or owing to you by or from the Northern Pacific Railroad company, or J. B. Clough, the agent of said railroad company. And you are hereby notified that if you fail to appear and answer to the plaintiff's complaint, the said plaintiff will take judgment against you in the sum of \$162.98 and the costs of this action, and that the above property, garnished as aforesaid, will be applied to the satisfaction of said judgment and costs.

Given under my hand this 19th day of November, 1888.

D. H. BUDLONG, Justice of the Peace.

Lower Main Street
FEED CORRAL,
Billy Miles, Prop.
BALED HAY, CHOP FEED, WHEAT and OATS for sale by the pound or in CAR LOTS.
Best of care given to all Stock placed in my care. Prices Reasonable

REMEMBER
That I keep constantly on hand a complete stock of native and eastern lumber, sash, doors, blinds, mouldings, shingles, lath, building paper, brackets, plastering hair, plaster Paris, and everything usually kept in a first class lumber yard. Prices always as low as the lowest.
E. GOUGHNOUR.

Montana Lumber COMPANY.

OFFICERS:
W. C. EDWARDS, Prest., St. Paul, Minn.
J. R. HATHAWAY, Vice-Prest., Billings.
C. A. WUSTUM, Sec. and Treas., Billings.

Wholesale and Retail Dealers in

Lumber !!
LATH, SHINGLES, MOULDINGS, SASH, DOORS, WINDOWS,

Building Paper, Etc.

YARDS AT
Billings and Livingston.
F. L. MINTIE,
Manager Livingston Yard.

R. C. Griffith,
FOR

BLACKSMITHING.

He makes a specialty of horse shoeing. Wagon shop in connection, and job work of all kinds neatly and promptly done. Shop at the lower end of Main Street.

T. R. MAYOR'S

TONSorial PARLORS
Main Street, opposite Postoffice.

Are the Most Elegantly Furnished in the West.

None But Expert Workmen Employed

Finest stock of Barber supplies in Montana.

Northern Pacific Coal Co
Orders left at the Office on Second street will be filled promptly.
F. D. PEASE, Agt.

THOMAS J. NOBLE
(Successor to F. W. Draper.)
PROPRIETOR OF THE
Headquarters
Billiard & Gaming Hall.
Main Street.

Open Day & Night.
Large stock of nothing but strictly first-class
LIQUORS, WINES AND CIGARS.
Finest Billiard and Pool Tables in the city.

St. Louis Beer Hall!
—AND—
LUNCH COUNTER.
C. H. MOORE, Propr.
Main Street, LIVINGSTON, MONTANA.

Milwaukee Keg Beer Always on Tap and Imported Cheese and Summer Sandwiches.
GIVE ME A CALL.

James Ennis
WHOLESALE AND RETAIL
Butcher!
Shop on Main Street.

Having purchased Wright & Holliday's old stand, we solicit the patronage of all their old customers, and as many new ones as wish to be squarely dealt with, both in quality of meats and price.

LIVINGSTON, MONTANA,
Located on the
Main Line

Of the N. P. R. R., and at its
Last Crossing

Of the Yellowstone, and at the
Junction of the National Park Branch R. R.

With the main line of the N. P.
End of 3 R. R. Divisions

Railroad Company are building Shops and Round Houses at this point.
Good Bituminous Coal Mines west of the city
Clark's Forks Mining District reached from Livingston.
National Park entered from Livingston.

For plats and information of lots in the Original Townsite and adjacent to the Freight and Passenger Depots, apply to
GENERAL LAND AGENT N. P. R. CO.
St. Paul, Minn.

NICKEUS, WILBUR & NICHOLS,
Jamestown, Dakota, or

JOHN H. ELDER,
Agent Land Dept. N. P. R. R. Co., Livingston, Montana.

L. TAYLOR, Gen'l Townsite Agent.

New Harness Shop
Lower Main Street.
SADDLERY,
HARNESS MAKING and REPAIRING
Neatly and promptly done.
Have a large and complete stock of goods in the Harness line and I am now ready to receive orders.
J. Grannickstadten.

JOHN O. SAXE,
NEWS AND FRUIT DEALER,
AND CONFECTIONER.
The latest eastern Dailies, Illustrated Journals and Magazines always on hand.
MAIN STREET.

Look Here.
Twenty-One meals, the best in the City, for \$7, at the City Dining Room, corner of Clark and Main Streets.
MRS. FRED HALLER

H A V E R L Y & C O . ,
DEALERS IN
Clothing and Gents Furnishing Goods
HATS AND CAPS.
Pioneers From Away Back, and Our Motto: "Low Prices."
MAIN STREET, LIVINGSTON, MONTANA.

Brunswick Hotel!
M. C. MURPHY, Propr.
This elegantly appointed and carefully managed hotel is now ready for the reception of guests. Travelers seeking neat and comfortable rooms and a well supplied table will find them at the BRUNSWICK, opposite passenger depot, Livingston, Montana

FRANK WHITE'S
GAMING HALL!
AND
SAMPLE ROOMS.
The ONLY first-class establishment of the kind in the city.
The Best Cigars and Liquors in the West, with courteous attendants to wait upon visitors.

WOOD UP!
—AT—
N. EBERT'S Wood Yard,
Back of the Metropolitan Hotel.
Wood Sawed and Split any Size you may wish and Delivered.
Office at the Metropolitan Hotel. N. EBERT.

IT IS A FACT!
Overcoats at reduced prices.
Rubber Goods constantly on hand.
Suits, ready made, we carry the finest selection.
California Underwear we sell at a Bargain.
Hats and Caps, the latest Styles always on hand.
Everything as represented.
Liquors, we carry the largest stock.
Assortment of Groceries. Special figures to dealers.
Neckwear just received; the latest styles.
Domestic and Imported Cigars. New brands.
Boots and Shoes, Blankets, Quilts and Glassware.
Remember our New Brick Store,
On Park Street, next to Merchants Hotel.

I. ORSCHEL & BRO.
Metropolitan Hotel,
MULKERN & GALLAGHER, Props.
MAIN STREET, LIVINGSTON, M. T.
House well furnished throughout, and all hard-finished rooms. Centrally located with a Large-Sample Room for the accommodation of Commercial Travelers. Table, the Best. Fire Bar attached.