UNION. ORRGON.

SILVER, generally a very desirable metal, is a source of great annoyance by a cyclone at Corsicana, Texas. in the manufacture of white lead, for if present in an appreciable quantity it spoils the color of the finished product, owing to the well-known black ening effect of light upon the salts of

Sunflowers are now used in Wyoming Territory for fuel. The stalks heads with the seeds in are said to burn better than the best hard coal. An acre of sunflowers will furnish fuel for one stove for a year.

WHILE George Newby, aged twentyone, Mary Wilson, aged seven, and Emily Wilson, aged five, and a man named Perkins were attempting to cross a small stream in the Ogden Canon, near Salt Lake, in a boat, they were swept over Wilson's dam and all except Perkins drowned.

THE three Ewing brothers, of Lawrenceburg. Ind., were born at the same time fifty-four years ago. They are looking triplets in the United States. Abel weighs 225 pounds, Joshua 243 and Putnam 248 pounds; total, 716 pounds.

A LADY teacher of music in Ontario County, New York, inserted her prolover in Chicago, who at once hunted the side, killing him instantly. her up, explained his absence of a quarter of a century and married her. It pays to advertise.

THE latest "cattle queen" of the West is Miss Kitty Wilkins, of Idaho, a tall blonde, twenty-three years of age, a fine horsewoman, and a dead shot. Though called the cattle queen, eight hundred, besides thousands of cattle.

JOHN COLGIN, of Hartford City, Ind., accepted the situation in a spirit of Crait were drowned. meekness, and are seemingly satisfied.

A can of naphtha or benzine, arranged with a closely fitting cover, is a convenience for cleaning screws, caused a sensation some weeks ago bolts or other small work in a machine by marrying the head waiter of a shop. A wire basket makes a good hotel. She is worth half a million. ladle. Work in this way is kept bright and clean, and agreeable to handle.

A FARM hand, popularly known as with a wild cat, which he finally and Whitely badly wounded. clubbed into insensibility after the animal had torn his clothes and badly scratched his face. "Tony" subsestuffed as a memento of the struggle.

her husband the other night and told him to go for the doctor, for she had a tremendous attack of cholera morbus. Mr. Baker went, the doctor came, and an hour or two afterward a nice boy surprise of both mother and father, who insisted they had no idea that any such thing was to happen.

A NOVEL school commencement was held at the New York Trade Schools twenty brick layers were given diplo- son. plumbers, each armed with a sheepthirty-eight painters and twenty-eight in the mouth, and lodged in his neck. carpenters.

Bon Moony and his son-in-law Billy Berrie went out hunting recently in Maine, and each killed an old buck. Moody's deer wouldn't lie still, so the three other children, aged five, eight to attract attention. He was nearly not find it, but wherever she went she young man came over and emptied and eleven, were taken ill and died starved, being obliged to subsist on heard that watch tick. This nerved the other barrel of his gun into it, and within a day of each other. Now the raw fish, which he caught with a line her on to greater efforts, and she went back to his own. Mr. Moody four remaining children-three well he luckily saved. started to cut the deer's throat, and stuck the knife through, when the deer kicked out twice, jumped up and ran, swam the river and got away.

-The richest genius, like the most fertile soil, when uncultivated, shoots up into the rankest weeds; and, instead of vines and olives for the pleasure and sons .- hume.

.TELEGRAPHIC.

An Epitome of the Principal Events Now Attracting Public Interest.

The colored Methodist church and Odd Fellows hall was blown to pieces

Charles Hayes was blown to pieces by an explosion of giant powder. which he was carrying at the Daly mine, Park City, Utah.

An Italian boarding-house burned at Pittstown, Pa. Three children of into the Carson river, and drowned.
the proprietor, Christopher Sargali, The sentence of death has bee perished, and several men were hurt.

Robert Taylor shot and killed R. Tenner, at Norfolk, Va., a married when dry are as hard as maplewood man, who had betrayed Taylor's sister. and make a hot fire, and the seed- The girl was driven insane by shame, and is in a mad-house.

> A riot among the negroes at Longnloo College, La., cccurred on commencement day. In the shooting which followed several negroes were kicked him to death. Silsby alleges

Jocob Higgins, a prominent farmer, who lives near Hixan Station, Tenn., killed a man named Adams, near Fort 50@75c.; radishes, per doz., 15@20c.; committed suicide by hanging himself Conrad, Mont., who had been giving to a clothes line. He lost his wife a him a free ride. few months ago and has been despondent ever since.

cotton plants and greatly damaging Palouse river, W. T. other crops at Sulphur Springs, Texas. Brookstone, in Lamar county, is reported to have been almost demolished, but no loss of life is reported.

Michael Flynn tried to induce his heart. Both are dead. wife, who had left him, to return to said to be the oldest, largest and best return to his cabin at White Bend, Texas, and, at her refusal, shot her shot himself through the heart.

Nicholas Bennar, a half crazy farmer, living southwest of Ada, Minn., shot his son John, aged twenty-three. The young man found his father and County, New York, inserted her pro-fessional card in one of the county his mother's behalf, and the father newspapers. It was seen by an old took down a shotgun and shot him in

Arch Stotts, swallowed a dose of rough on rats at Richmond, Ky., and dren. died from its effects. His brother, William Stotts, learning of the fact of his brother's death, desired to follow him in the same manner. He found the bottle where his brother had hidden it, and swallowed the contents, thus following his brother into eternity.

A cyclone struck the town of Arizona, Kansas, cutting its way through as a matter of fact horses are her the thickest settled portion of the specialty, and she owns no less than place. Among the buildings destroyed are the Methodist church, Palace hotel and a number of stores and dwellings. Several people were severely injured by flying timbers.

While the Mississippi river steamer is the possessor of four young foxes Inverness, of La Crosse, Wis., was towthat have been adopted by a cat on ing a raft to Hannibal, the two lower the premises, that seems to manifest flues collapsed, and ten men were as much maternal solicitude and blown overboard or jumped into the motherly fondness for them as though John Green, Chas. Conroy, William they were her own The foxes have Tierney, Joseph Halifin and George

The residence of Mrs. Lee Jerome was entered by burglars at Wichita, Kan., and \$10,000 worth of diamonds stolen. The inmates of the house were chloroformed. Mrs. Jerome

Whitely, the notorious outlaw and train robber, was captured after a hard fight at Libertyville, Texas. Two deputy sheriffs met Whitely on the road. Dropping himself on the side of his horse, he fired at the officers "Tony, the Dutchman," had a desper from under his neck. The fire was ate encounter near Scranton, Penn., returned, Whitely's horse being killed.

A terrible accident occurred to Burt Reeves, and old and well known citizen of Bloomington, Ind. He was out on his farm burning brush, when he quently procured a gun and shot the accidentally fell, face downward, in beast, and the latter has since been the fire. Being a very heavy man, he was unable to move himself before he was suffocated to death. When found, his body was in flames, the head and MRS. BAKER, of Embry, Kan., awoke a portion of the trunk having burned

Blanche Connors, a woman of mulatto and Cherokee descent, was con-Kansas City, Mo. She enticed a man was born into the world, much to the Christmas night for the purpose of robbing him. Failing to secure his money, she pushed him out on the bruised. sidewalk, where she and two male accomplices killed him.

Harry Burrow, a little four-year-old on Friday last. One hundred and eight-year-old boy named Harry Johnmas, one hundred and eighty-four with a Folbert target rifle, which was were seriously injured. The track was one species. The different varieties are and, in trying to let it down, it slipped skin, were set loose on the community, from his grasp, and dischurged the together with fifteen stone-cutters, gun. The ball struck Harry Burrow

siding in West Hempfield, Pa., has been for two weeks, the boat in which pay for four apples that he took from been terribly afflicted. About ten he had been fishing having been days ago his son William was taken wrecked. Though the islands are but there forty years ago. ill with a malignant type of diphthe- twenty miles from the city vessels selria, and died within a few days; then dom go near them, and he was unable her watch a few days ago. She could

grown sons and daughter—are dead. and his friend, Geo. W. Mooney, were cisco, set fire to the clothing of two examining a thirty-eight callibre ham- employes. Frank Barry, a boy of 16, ered an old account book of the crop merless pistol that he had in the shop and Michael Curtis, a young man. of 1830, and learns from it that wood for some time. They unbreached the Barry was stunned by the shock of the was worth \$1 a cord that year, a yard weapon, and, they thought, took all explosion, and before assistance could of calico 374 cents, a pen six cents; the cartridges out, but really left one arrive he was burned to death. Curtis tea was worth 60 cents and coffee 22 in, and they shut the cylinder down, contrived to escape before the flames cents; shirting 124 cents and a spool when this was fired. The ball entered gained much headway. He was taken of thread nine cents. Butter was use of man, produces to its slothful Hammersmith's right temple and to his home, where he lies in a very worth 20 cents, whisky 56 cents a gal-

in about two hours.

COAST CULLINGS.

Territory and California.

An Indian horse-thief was shot and killed near Helena, Montana.

James B. Hays, Chief Justice of Idaho, is dead. His age was 48 years. Elwood's shingle mill near Blaine, W. T., was burned accidentally. Loss

John Kronkile, treasurer of Alpine county, Nev., was thrown from a horse

The sentence of death has been passed upon Mrs. Pyle and John Hurn, at Walla Walla, W. T., by Judge Lavyford.

W, T. Tompkins, living near Helena, Montana, was shot in the neck by Mrs. Gordon, while trying to get his wife to go home and live with him. Nelson Silsby attacked John Daly,

while drunk, at Rocklin, Cal., and that Daly insulted his wife.

Max Hoppe, a tramp, shot and

John Rooles, son of Rev. J. L. Roodes, 19 years of age, was accident-A destructive hail storm destroyed ally drowned while bathing in the

A shooting affray occurred at Florence, Arizona, between J. P. Gabriel and Joseph Phy. Phy received three shots. Gabriel was shot near the per lb.; Eastern, 13@134c.; Eastern

Cal., has been arrested for manslaugh- lb.; Oregon, 104c. ter. He is charged with giving Jno. three times, killing her. He then Parker an overdose of medicine which caused his death.

Fire broke out in the job office of the San Diego Printing Company and rapidly spread, burning several onestory buildings and damaging the postoffice building to the extent of \$1,000.

Geo. T. McGinnis, aged 37, died from injuries received at Seattle, W. T., by being kicked in the head by a horse. He leaves a wife and two chil-

At San Luis Obispo, Cal., C. R. Bromley was leading a horse, which became frightened and bolted. Bromley could not free himself and was dragged to death. The body was terribly bruised.

Cornelius Grady, a prominent stockman and rancher on Snake river, W. Γ., while crossing the Pennawawa edged, per M, \$12 00; T. and G. ferry, en route to Walla Walla with a sheathing, per M, \$13 00; No. 2 floorband of beef cattle, was crowded off ing. per M, \$18 00; No. 2 ceiling, per the ferry by the cattle and and lost M, \$18 00; No. 2 rustic, per M, \$18 00;

Fire started in some old boxes in the rear of Foreman & Stone's furniture store at San Diego Cal. The flames soon spread to the store, which was totally destroyed. The loss reaches \$35,000; insurance about \$15,000. The fire is supposed to be of incendiary

Nine fishing seines, with their complement of men, have been busy night pinks, \$3; bayos, \$3; butter, \$4; and day for months taking fish from Limas, \$4 50 per cental. the noted Tulare lake. Hundreds of tons have been caught and shipped to Costa Rica, 18@20c.; Ri , 18@20c.; all points in California. Much indignation is felt, and the legislature will be asked to pass a law prohibiting seine fishing in the lake.

Miss Florence, a daughter of R. M. Bones, a well-to-do rancher near Victor, Montana, gave birth to a child a \$1 35 few days ago. It was believed that the little waif was murdered, and all the parties suspected have been arrested. The child was found buried in a small box, near a stream, wrapped in rags, and having its skull fractured.

Arthur D. January, of Sacramento, Cal., who, while deputy in the office of state treasurer stole over \$50,-000, and was convicted and sentenced to ten years' imprisonment, was brought back to San Jose, and will have to serve the term. He had been out on bail for several months, pending appeal to the supreme court.

Fred Hoagland, an old resident of Stockton, Cal., and John Giannini, a farmer, were run into by a train, and Hoagland was instantly killed. The buggy was smashed and the horse's leg broken, necessitating killing him. victed of murder in the first degree at Hoagland's body was carried some distance and all the bones apparently named Joseph Peters into her room on smashed. Giannini was thrown about fifty feet, and a piece of flesh was torn out of his back, his head being severely elderly gentleman in the seat with him.

A collision occurred near Walnut station, Arizona, between engine 328, Engineer Stevens, and an east-bound orphan boy, was shot and fatally freight, Conductor Maheney. Head wounded at Chattanoogs, Tenn., by an Brakeman Howell, of the freight, was in East India cereals that there are instantly killed, and the engineer, fire- more than ten thousand different vari-Young Johnson was playing man and two brakemen on the extra ties of rice, and yet that there is only loadad. He pulled the hammer back, torn up for some distance. Twelve of all colors, from black to pale yelcars were ditched and badly smashed. low and snow white.

A Swedish fisherman named Olsen was brought to San Diego, Cal., by a small vessel which rescued him from thirty cents, sent by a man in Penn-The family of J. C. Waltmyer, rethe Coronado islands, where he had sylvania, who wrote that they were to

Geo. Hammersmith, a young jeweler, fire works manufactory at San Fran- her bustle. owner the most abundant crop of poi- passed through his head, and he died precarious condition, terribly burned about the legs.

MARKET REPORT.

Devoted Principally to Washington Reliable Quotations Carefully Revised Everything of General Interest in a Every Week.

WHEAT- Valley. \$1 25@1 264 Walla Walla, \$1 171@1 181.

BARLEY-W hole, \$1 10@1 124 ground, per ton, 20 00@25 00. OATS-Milling, 45@471c.; feed, 44

HAY-Baled, \$14 00@15 00.

EGGS-Per doz, 18c.

SEED-Blue Grass, 141@16c.; Timothy, 91@10c.; Red Clover, 14@15c. FLOUR- Patent Roller, \$4 00: Country Brand, \$3 75.

BUTTER-Fancy roll, per pound. 40c.; pickled, 271@30c.; inferior grade, 20@253.

CHEESE-Eastern, 16@20c.; Ore gon, 14@16c.; California, 144c.

VEGETABLES- Beets, per sack, \$1 50; cabbage, per lb., 24c.; carrots, per sk., \$1 25; lettnee, per doz. 25; onions, \$1 75; potatoes, per 100 lbs., rhubarb, per lb., 6e

HONEY-In comb, per lb., 18c. strained, 5 gal. tins, per lb, 84c.

POULTRY - Chickens, per doz., \$2 50@3 00; dneks, per doz., \$5 00@ 8 00; geese, \$6 00@8 00; turkeys per lb., 16@18c.

PROVISIONS-Oregon hams, 134c breakfast bacon, 124 . per lb.; Oregon Dr. Gray, a physician of San Diego, 12@13c.; Eastern lard, 10@111c. per

> GREEN FRUITS- Apples, \$2 00 @2 50; Sicily lemons, \$5 00@5 50 California, \$3 50@5 00; Navaloranges \$5 50; Riverside, \$3 50; Mediterranean, \$3 75.

DRIED FRUITS-Sun dried apples, 74c. per lb.; machine dried, 10@ 11c; pit ess plums, 13c,; Italian prunes, 10@14c.; peaches, 12½@14c.; raisins, \$2 25@2 50.

MEAT-Beef, wholesale, 4@44c. dressed, 8c.; sheen, 3½c; dressed, 7c. hogs, dressed, 7@7tc.; veal, 7@8c.

WOOL-Valley, 18@19c.; Eastern Oregon. 16@18c.

HIDES-Dry beef hides, 8@10:, eulls, 6@7c.; kip and calf, 8@10s. Marrain, 10 @12c.; tallow, 3@31c.

LUMBER-Rough, per M, \$10 00; clear rough, per M, \$20 00; clear P. 4 S, per M, \$22 50; No. 1 flooring, per M, \$22 50; No. 1 ceiling, per M. \$22 50; No. I rustic, per M, \$22 50; stepping, per M, \$25 00; over 12 inches wide, extra, \$1 00; lengths 40 to 50, extra, \$2 00; lengths 50 to 60, extra, \$4 00; 1\frac{1}{4} lath, per M, \$2 50; 14 lath, per M, \$2 75.

BEANS-Quote small whites, \$4 50;

COFFEE-Quote Salvador, 16c; Java, 27 tc.; Arbuckle's's reasted, 201 SALT- Liverpool grades of fine

quoted \$18, \$19 and \$20 for the three sizes; stock salt, \$10. PICKLES-Kegs quoted steady at

C.5fc.; extra C, 6fc.; dry granulated, 74c.; crushed, fine crushed, cube and fire. powdered, 71c.; extra C, 68c.; halves and boxes, ic. higher.

OF GENERAL INTEREST.

-A man bearing the remarkable name of Bloomer Blizzard died recently in Newburg, N. Y.

-A Racine man said "white horse" when he met a red-headed girl the other day. She fell on to him lustily, knocking him into a muddy ditch with her umbrella.

-A citizen of Blakely, Ga., has a novel method of hunting wild turkeys. He takes a tame gobbler along, tethers it to a tree, then hides and waits for the wild birds to come up and make its acquaintance.

-A young man in a railway carriage was making fun of a lady's hat to an "Yes," said the elderly gentleman, "that's my wife, and I told her if she wore that bonnet some fool would make fun of it."

-It is stated by an English dealer

-The heirs of a merchant of Monson, Mass., received the other day the merchant's store when he lived

-A Richmond, Mich., woman lost turned the house upside down in her A small explosion in the California search—and then found the watch in

-The Adrian, Mich., Press discovlon, and 100 pounds of flour \$8.

OREGON NEWS.

Condensed Form.

The Weston Leader is urging the citizens of that place to build water

The construction of a new steamboat on Upper Klameth lake is talked

A company has incorporated at Lostine for the purpose of building a

John Pomercy, of Huntington, has been adjudged insane and sent to the asylum. The new Catholic church to be built

t Salem will cost \$6,000 and will seat A Chinaman jumped into the Willamette river at Pordand, but was res-

cued in a half-drowned condition. John Barker, of Butter creek, Morrow county, was fined \$100 for allowing his seabby sheep to scatter on the

The Dalles Lumbering Company's flume is within six miles of that city, and the work is being pushed as rapidly as possible.

The chief engineer and assistants of the Portland Paid Fire Department were presented with gold badges by the members, for attention to duty.

Percival Nash, fell from a wagon at breast. It is thought the boy, who is 15 years old, will recover.

A postoffice has been established at Mill City, Marion county, and Joseph A. Shaw has been appointed post-

George Williams has been appointed postmaster at Wamie, Wasco county, in place of M. A. Chamberlain, who has resigned. There is talk at Harrisburg of con-

structing a water ditch for the purpose of furnishing water power for a paper mill, which Portland capitalists propose to build there. Robert Brown, the brakeman who

trial at Huntington and was fully exonerated.

ones is the cause thereof. Miss Wimberly, a student at the ant subject. Oregon State Normal School from Roseburg, is lying very low with

covery is doubtful. A short time ago in Jordan valley, Al Corpe, an old-time stage driver. struck Dick Munger over the head with a spade. It is said that Munger

The barge Margey collided with the draw of the Morrison street bridge, Portland, bending the kingpost back several feet, lifting the pilot house tearing away the smokestack

Billy Roberts, who was arrested upon a charge of an assault with intent to kill was examined in Linkville last week and acquitted, the evidence showing that he was the assaulted

H. Hosford's store at Canby burned down at an estimated loss of \$4,500, building inclusive. It is rumored to have been the work of an incendiary. SUGAR-Prices for barrels; Golden | by boring holes through the wall and pouring coal oil through to start the

> cheek bone and cutting him just above as strong and rank as it should be. the eye and down the right side of the Most farmers have noticed that hay

motive arrives.

possession of affairs at the reservation. A special agent accompanied him on his return, after being driven off by the Indians.

Jacob Bashor, who lives about three miles east of Salem, built a barbed wire fence on his place. He hardly finished putting up the fence until mare belonging to him, valued at \$150, ran against it at full speed. She tore down the fence and cut her windpipe and right jugular vein, and died in wenty minutes. Another horse with her was pretty badly used up, but will recover. Mr. Bashor says that he won't put up any more barbed wire feace on his place.

The Adventures of a Horse.

Among the incidents of the storm in Boston, The Electric Review relates how the entanglement of a horse attached to one of the coal delivery teams was caused by the wires. It was in the evening. The horse got entangled and the wires threw him down. ome of the snari of wires proved to be those of electric lights. The kicking and the strugles of the horse brought the wires in contact and in the words of the teamster, "fivery ime he kicked it' would lighten, and every ime it lightened be would kick! I thought a myself, 'He is bewitched with lightning. tried to unbutton him, and every time I abultoned one place he was struck with gutning in another." The poor horse was finally released from his perd by somebody who understood the cause of the trouble. Sesentific American.

AGRICULTURAL.

Devoted to the Interests of Farmers

The Codling Moth.

The remedy, or rather the preventive

and Stockmen.

for the codling moth, is to spray the trees with a solution of some poison that will deter the moth from laying its eggs in the calyx or blossom end of apples and pears, early in the spring. The fruit then is very small, and as it grows it sheds off the poison and the mature fruit shows no trace of it. Paris green and London purple are the remedies, but Paris green with difficulty forms a solution, while London purple mixes with ease in water, and very thoroughly. It only costs 25 cents per pound, and a pound will be enough for sixty gallons of water. The praying is done by an apparatus easily fixed up and capable of lasting many years. It needs some sort or a tank or tub, closed tight. to hold sav twenty gallons of water. The force pump is rigged up to this and it is mounted on a sled or a cart and drawn through the orchard. From the force pump there can go two lengths of hose and a pipe with a spraying rose. A man drives and works the pump and two other men use the hose and pipes, spraying two trees at a time. With this apparatus in good working order, three men can spray 500 trees in a day, and likely more than that. Nashville, the wheels passing over his The solution, if sprayed in a warm day, will almost instantly dry off, and will not show on the fruit, or even taste on it, but it s enough to disgust the codling moth and sive the fruit. This moth flies at night, in the early days of May. The trees should be well sprayed as soon as the fruit is set and the bloom falls, and a second time in twelve days or a fortnight afterwards.

The cost of spraying trees is not even a penny a tree and if the trees bring a bushel of fruit that is a small price to pay for insuring it against harm. Old trees, of large size, of course will require more time and more of the solution, but if the codling was charged with having robbed the moth can be kept off and the fruit body of George Kalmback, had his saved at a cost of a cent a bushel for the fruit, no one should complain.

Now is the time to do the spraying, Grant county's school fund has been and the knowledge that several orquite materially argumented since the chardists having been fixing up spraycommencement of circuit court. ing apparatus, and that it has been Several large fines and a lot of smaller found to work well in every respect, induces a further notice of an import-

The chief thing that most farmers symptoms of brain fever, and her re- need to make more money is to get out of the old ruts. The extra care and labor which market gardening implies are too many an objection. If the farmer begins gradually and moderately in market gardening he will probably make a success of that also, besides being a better farmer in every respect.

Whenever grain is largely grown, most farmers have more straw than from over the head of the captain and they can profitably use. Why not, then, save barn room by cutting the grain high and leaving a long stubble? The straw, as a manure, is certainly more evenly distributed than it could be by any other means. Stubble is also no insignificant protection to young clover in winter. It holds the snow over it, when without the stubble the field would be wind-swept, and the ground much more deeply frozen. The contact of the clover leaves with snow in winter keeps the plant from injury, no matter how cold the weather may be. The stubs of straw are by spring time mostly flattened to-While A. D. Hadley, of Burnt river, the ground, where they rot under the Baker county, was endeavoring to growing clover in spring. By the break a colt, he was severely kicked time the clover is cut the straw will by the animal on the right cheek be thoroughly rotted, so as to give bone just below the eye, breaking the litt'e trouble in haying if the clover be

nose, making a severe and painful rapidly wastes when handled two or three times in winter. If they are The locomotive for the Southern obliged to buy a load toward spring, it Oregon Company's logging railroad at does not go so far as that pitched di-Summer, is on the way from the East rectly from their own bays or stacks to San Francisco, and on its arrival into the feed mangers or boxes. There there will be shipped immediately to is doubtless considerable waste of the Coos bay. The track is now being finer portions of the hay, which are laid, and everything will be in readi- broken off and fall on the ground durness for hauling logs when the loco- ing repeated handling. But the newly mown hay is not packed closely, and Jo Ben Lane, agent at the Siletz In-dian Reservation, is again in peaceful more than it is. If the farmer in spring is obliged to buy hay he should usually feed more grain to make it go farther. The one advantage of hay the Indians, and a peace has been on most farms is that it is on the patched up, and things are again mov. premises, and it costs more to market ing along quietly without danger of it than it does grain. The latter in any further disturbance on the part of most places furnishes the cheaper nutriment, and when both have to be bought, the cheaper handling of grain' is an argument in its favor as against hay or coarser feed.

Crushed corn or fine-ground meal is more economical to feed to cattle than corn in the ear, for they cannot well masticate the latter, and more or less passes whole through the intestines undigested. Horses and mules with sound, smooth teeth can grind it pretty well; still it is not so fully digested as fine meal. But this last should not be fed alone; it ought always to be mixed with bran or shorts, at the rate of one-fourth to three-fourths, according to circumstances. If for working or store animals, one-fourth of Indian meal would be a good proportion, but if fatting cattle, one-half to threefourths might be best. If a half to a whole pint of linseed or cotton-seed meal were added to every four quarts of the above meal ration, it would be so much the better, as this lubricates the intestines, assists digestion and is also quite nutritious. There is very little work for a mill to grind it with the grain, and we doubt whether the extra expense of doing this is paid. les chief value is to lighten up or separate the finer particles of the meal, or in thinning or diluting it.