ely limbs. His proud head towered o look in contemplative mood

companions feeding freely there nature's lavish feast, spread every-

ing no man's friendship or his food. en betake themselves in tacit shrifts oulness runs a deer glen girt ose set barriers. Here, tame, inert, caress men's hands for paltry gifts, -Clara Dixon Davidson in Godey's.

Telegraph Line Before Morse's. r to the poincers in the vast field ce! Mr. John Sime has published Chiswick Press in pamphlet form very interesting memoir of Sir Francis Twenty years before Wheat-

nd Cooke or Morse had patented heir improvements in the telegraph, inle the first two were respectivey lads of 12 and 14 years of age, Roonlds had sent messages over eight miles of overhead wires of his own construction and had laid and worked a servicethis underground line of telegraph of sufficient length to demonstrate ine practicability of communication by tele aph between long distances. Details of his overhead telegraph wires

were published by him in 1823. Roidence at Hammersmith, where have experiments were carried out, is se now and for long past occuiled by Mr. William Morris, the poet, caused a tablet to be placed on bearing the inscription, "The first electric telegraph, eight miles long, was constructed here in 1816 by Sir Francis Ronalds, F. R. S.," etc. An autotype facsimile of a portrait of this father of electric communication accompanies the publication. - London

Calculating the Distance of a Storm. Although lightning and thunder occur always simultaneously, an interval of shorter or longer duration is usually observed between these two phenomena. which is due to the fact that sound travels only at the rate of 1,100 feet per second, while the passage of light is almost instantaneous. Bases upon this fact, it is an easy matter to tell, at least approximately, how many miles a thunderstorm is away. A normal pulse will beat about one stroke to the smond, and by counting the pulse beats during the interval of the lightning and the thunder the lapse of seconds is arrived at and intly the number of feet, which can be reduced to miles.

For example: If 30 seconds elapse be tween the flash of the lightning and the crash of thunder, the storm center is at distance of 38,000 feet, or about 6; miles. An almost accurate calculation can be made by using a watch with a minute dial. - St. Louis Post-Dispatch.

A Fish Story.

Frank Vinton and others caught a 306 ound sturgeon at Asotin, Wash., and nade the line fast to a young tree standing on the shore. Later, when they went to draw the big fish, they found it had escaped by pulling the tree up by the roots and taking over 80 feet of small rope along.

Indian Names.

nes names have been made to appear unnecessarily grotesque in their writing-in some instances as much so ing Youghiogheny for simply Ya-og-hana and in Esquemeaux for Es-ka-mo. Many purely poetic garbs of the old the little fellow "honey." words have become incorporated into our permanent geographical literature. The names Mississippi and Tennessee are examples of the fanciful versions of and laid his pink and white cheek against the old aboriginal titles-the former is supposed to have been in sounds repreed by the English writing Mes-sis-apa, while the oldest historic records exwing the latter give the writing as Ten-as-sa. What is evidently one ancentral word appears in the modern versions of Shewanee, Sewanee, Suwanee, Swannn and Chowan. The French writing Cheyenne is the same word in the ancestry, as is now believed .-Popular Science Monthly.

LAUGHS AT LOCKSMITHS. The Modern Burglar Keeps Abreast With

Safemakers In Ingenuity.

Detective William Henderson of Phila delphia discussed the evolution of burglars' tools in a recent interview: "The modern burglar is like love in one particular," said he, "inasmuch as he laughs at lock smiths. His seemingly simple tools in-dicate that the attempts made to bar his progress are not difficult to overcome, and yet not many years ago they were possessed of a very different idea, and in Old Man Hope's prime brute force was in a measure the leading idea in forcing a safe. In those days one crook was selected to go with the

gang not because of his brains, but on account of his muscle, and his duty was to pers, etc. arry the heavy tools. Big crowbars, huge I think gs and strong men were then the order of Safes were literally dragged apart, have now posted trespass notices for their protection.—Science. Men intending to rob a safe take hardly any tools, but would into a convenient blacksmith shop, whar and a sledge, and then go to to be robbed. As safes were then ted, a few blows with the sledge ock off the hinges of one door,

rapry with the bar would wrench away. But safe manufacturers ght on, and when the handle of was turned by the owner, bolts shot lys, removing the responsibility came the era of powder. A safe

ave the crack running around the gged with oakum, two little spaces only being left. From one all the air would be drawn by a pump, and through the other powder would be allowed to sift in. When they touched it off, the safe would be ripped apart. But this method, espite all precautions, was noisy, and then ame the modern tools. In the case of an nary safe, the knob is knocked off, a emoves the combination and a piece throws back the tumblers. In etter safes the drag is used. If I had no matter how good, with many me with it for over 10 minutes outside. So far the burglars are of the makers of safes, and no iment is made by the latter that the r in a short time do not learn to cirTHE KING OF BEASTS.

He Is Merety a Hig Cat, After Att, and s Coward at Beart.

If we oult harabley for fact and go by the testimony of travelers and hunters, it is very doubtful whether the lion deserves his magnificent reputation. It is his appearance, no doubt, which has gained for him the appellation of "king of beasts," with all the regal honor pertaining to it. Certainly he looks "every inch a king." Nothing can be finer. The tancy itself could conceive nothing more fittingly representative of majesty than the full grown male lion, gazing with great yellow eyes, which seem to know no fear, and the ample honors of his shaggy mane wrapped round his massive front and forearms. He looks like the embodiment by nature of lordliness and magnanimity, and he has been adopted as such in all literature and poetry from Homer and Æschylus down to the "lion omique" of our music hails. Yet he is only a cat-a great cat-after all, and those who know him in his native wilds give a very different character of "felis

o" from popular conceptions. We do not wish to calumniate a creature so intimately connected with British story and so dignified in bearing and chavior, for nobody can deny that the on is a great gentleman in his manners Nevertheless, African sportsmen relate that he can show himself as cowardly as he is cruel; that he will abandon his consort and cubs in a moment of extreme dauger, and that he scarcely ever parges straight home upon anybody who, armed or unarmed, has the presnce of mind to await his onset. He is escribed as very nervous and very cuaning, and dreading beyond everything the superior prowess of the white man.

The early Dutch settlers at the cape peak of lions prowling round the fort at night "in such numbers as though hey would take it by storm." Now one nust go very far into the African veldt" to see a lion, and a strange fact s that he has learned the craft of silence and is seldom or never heard to lift up his mighty voice except in the far wilderness, where the hunters have not come except singly. Thus it is written in an African guidebook: "Though his footprints may frequently be seen near the nountains of Lokaron and Boatlanama, and he will sometimes venture to car: away an ox from a wagon span thereabouts, he rarely or never makes his presence known by his roar, having carned apparently that it will only have the effect of frightening off the few timid antelopes upon which all hopes of reolenishing his larder depend, or, worse still, of betraying his position to his inveterate enemy and persecutor, man."-London Telegraph.

It Was All Love. A writer for the Boston Transcript was the witness the other day of a very pretty scene on a street car. There was an old negro woman-a very black old woman-whose face, besides being black, was pockmarked. No doubt a superficial observer would have called her repulsive, but there was a sweet and kindly look in her eyes and a benevolent expression about her black features which, as you looked at her, gave you a glimpse of something beautiful.

At her side, with his sweet child face toward the window, knelt a little white boy-a handsomely dressed little chap as the rude savage himself appears per- with blond curls and blue eyes. He sonally—the fact illustrated in the writ- asked the old black woman questions now and then, which she answered with a deep, grave, kind voice, and she called

> Presently this little Caucasian leaned over tenderly toward the old woman, put his arm lovingly around her neck her black face. That obliterated every bit of repulsiveness the woman might have had with every person of sentiment in that car. To this little boy the old black face was entirely beautiful, because it was all love. The beauty that he saw was a good deal more than skin

> > The Ring Pheasant.

O. N. Denny some eight years ago. Six and the climatical conditions and counour most common game birds. In fact, they multiplied so rapidly that long before the six years' protection had ceased the farmers complained bitterly that the birds were a serious damage to their grain and gardens, and many birds were killed, but in this I think they were mistaken, for in my examination of many stomachs at all seasons of the year I found but very little grain as their food, but many wild seeds, bugs, grasshop-

I think that the farmers have realized this also to some extent, as nearly all protection.-Science.

It Went Unpunished.

This story is told of the late Dr. Holland, better known as "Timothy Titcomb." During the service of one of the large churches in Springfield, Mass., a heavy electric storm came up, and one of the gentlemen of the choir set out to secure an omnibus to take the ladies home. Among the fair singers was a certain Miss Etta 8-, and as Dr. Holland was gallantly helping her into the vehicle a terrific clap of thunder startled them, upon which he remarked, " 'Ett' in terror packs home in a bus" (Et in terra pax hominibus). To close this strange tale, it may be well to add that the doctor was not immediately struck by lightning, but died years afterward peacefully in his bed.-San Francisco

To Kill a Lobster.

When a live lobster is required for boiling or other purposes, here is a simple and comparatively painless mode of knife into the tail at the third joint from was anything but a worthless acrap or the end, having the blade slant down paper.- New York Times. ward. This will cut the spinal cord, and death will anickly follow.

A Collection of Curious Encounters With Reptiles.

REMARKABLE DISPLAYOF NERVE.

How a Miner Shot a Rattler Colled on the Breast of His Comrade Queer Combats Hetween Birds and Snakes-A Young Woman's Strange Pets.

One of a party of miners encamped on the for gold with decidedly poor success, and we were therefore rather disheartened, but we endeavored to keep up our spirits by tell-



"SHALL I SHOOT, DAVE?" ing stories while we lay about the campfire and smoked. Suddenly we were startled

by a peculiar whirting sound, which every nan of us recognized instantly. "There's a rattler in camp!" cried Jeffries as he started up. "Look out for it!" We all moved rather hastily, with the ex-

ception of Bolton, who lay quitestill on his back, his hands under his head, his cob pipe having fallen from his teeth.
"'Sh!" he whispered. For heaven's sake keep still! The snake has crawled into my

We knew what that meant, and we be came motionless instantly. I felt a thrill of horror run down my spine as I thought of the poisonous reptile snuggled to Bolton's bosom, in which it might plant its deadly fangs in a few moments. The flarng firelight threw fantastic shadows on the black canyon wall, and the river mur-

wi hooted. Not a muscle of Bolton's body moved. and it seemed that he had ceased to breathe. The only motion apparent about his person was caused by the snake crawling beneath his shirt. We sat there staring and helpess, unable to make a move to save curim periled comrade. After a time the rattler thrust his ugly head out of the opening in the front of Bolton's shirt, lifting it over the motionless man's face. We could see the reptile's forked tongue darting out and his eyes glittering, while his head waved

from side to side. Still Bolton remained motionless, knowing that the slightest action on his part might seal his fate. We could see he was white as a corpse. Jim Nevans, the best pistol shot of our party, drew his revolver, pressing on the trigger as he cocked it so it might not click. The snake's head was within six inches of Bolton's eyes, and it seemed that the venomous creature might strike at any moment.

"Shall I shoot, Dave?" softly asked Nev ans. "Shoot!" was the only word Bolton ut-

The cocked revolver was slowly lifted and every man held his breath. The weapon spoke, and the bullet out the rattlesnake's head from its body. Like a flash Dave Bolton leaped to his feet, tore the beheaded reptile from his bosom and flung it into the fire. Then he sank down helpless, almost fainting, great drops of perspiration standing on his face. But he had displayed pure

Our Other Self.

Each of us has two selves, the higher and the lower. When God seems out of reach, as is often the case, and our prayers return to us heavier and sadder than when they left our lips, it is a good This bird was imported from China by plan to commune with that alter ego which is a shade nearer the divine, that pair were let loose on Petterson butte, part which longs to help and to overabout four miles from Sodaville, Or., come, but is held down by the infirmities of the lower nature. Ask it for try being favorable and being protected strength and instruction, and by so doby a strict law for six years they have ing help the whole man. God is so often multiplied rapidly and now are one of beautifully found in such ways, -Amerian Woman's Journal.

She Got the Half Cent.

A Portland woman sold a pig to a butch er the other day, and he killed it on the premises. Now it is a superstition with some butchers that to cut off a pig's tail insures the preservation of the meat. The pig's little tail was cut off. But the wom-an was on the watch. She picked up the tail and gave it to the butcher to be weighed, saying, "I want pay for the whole of him." But the butcher got even with her. The reckoning came to half a cent, probably because of the addition of the tall. She wanted the half cent, of course; she always does. So the butcher placed a cent on the block, out it in two with his cleaver, and gave her the half cent.

The properties and use of the mariner's compass were known to the Chinese centuries ago, It was brought to Europe in the thirteenth century and first used on the Mediterranean.

Money In Wall street. New Yorkers are noted for bins eramblers after money. But they are just as remarkable for the risks they inke with it when they get it. A man went through Wall street to the ferry one day last week with \$300,000 in the pocket of his overcoat. He had an umbrella in one hand and a cigar between the fingers of the other. It would not have required an expert pickpocket to relieve him of his wealth. Yesterday a lad was sent to a banking house to deposit a certified check for \$65,000. He went along swinging it in his hand. In front of the bank he stopped and tried to balance the check on the end of his nose. No

THE VALUE OF STRAWS to Is a Sec-ket Commonity Listed on the

freduce titchange, same as Hay, On many farms, notably in the grain growing regions of the west, straw is considered a waste product. But a small proportion of it is put to any practical use besides bedding for stock. Near the cities and larger towns it becomes a marketable commodity, and the ex-

change of straw for the manure made

is a village custom. In New York city straw is a regular rurket commodity listed on the Prodnce Exchange the same as hay and graded and subject to the same rules of aspection. The prices at which it sells render it an object to save it in the best banks of the Guunison river, Colorado, told this story to a correspondent for the St. Louis Republic: We had been prospecting there are not so many different grades of straw as of hay, but all straw to sell for quoted prices must be in good con-

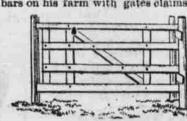
The best rye straw usually sells for about the price of the lower grades of hay. There are two grades of this straw. Some straw may be brought in loose, but practically it is all baled. The requirements for No. 1 rye straw are that it shall be clean, bright, long, sound, pressed in bundles, well and securely baled. The bales of straw are usually larger than those of hay, and few if any are baled with the perpetual presses Many of them have wood in the bales. No. 2 rye straw must possess the same requirements as No. 1, except that it is not pressed in bundles. Both these grades should be free from chaff. This straw is used largely by horsemen for bedding, by florists and nurserymen for packing flowers, plants and trees and to less extent for other purposes.

The exchange has given but one grade of oat straw, and all not filling the requirements laid down for this grade would have to be sold on its merits. These requirements are that it shall be clean, bright, sound, well and securely baled. It is possible to bale this more tightly than rye straw, but the bales usually seen vary little from the others in size. It is used largely for packing purposes for such goods as crockery,

glassware, etc. Wheat straw is not graded, but differs but little from oat in the conditions to be met. It is used for much the same purposes and usually sells for about the same price. The market reports generally quote short rye straw in addition to No. 1 and No. 2. This is such as is not long enough to be classed in either of mured sullenly. Away in the night a lone the other grades, but otherwise must fill the requirements for them

Substitute Light Gates For Bars.

The sliding gate depicted in the cut is especially adapted as a substitute for bars. A farmer who has replaced the bars on his farm with gates claims that



A SLIDING GATE. he made six gates similar to the one here depicted, with the aid of a hired man, in one afternoon, and that 10 years' trial with them only serves to enhance their value as a time and labor saving device.

This gate, which was originally illus-rated in The Farm Journal, is made of dry pine 1 by 5 inches; it is light, and any boy big enough to drive pigs can handle it. To open it just slide the gate back until the ends of the top and bottem rails come out of the mortises of the left hand post, and then carry it around as far as needed. The two right hand posts should be set far enough apart so that the gate will slide freely between them. As there is no strain on the posts, as in ordinary hinged gates, they may be

Mutton Sheep In West Virginia.

The West Virginia station issued a bulletin on this subject. Professor A. D. Hopkins sent out a circular to correspondents all over the state containing inquiries on the subject. One question was, "Do you consider sheep as profitsble as any other farm products; if not, what is more profitable?' Ninety-one correspondents said that sheep paid the hest, three favored the dairy, one cattle and one cattle and sheep together."

By replies from 127 correspondents the following information was gained: "For the favorite ram to cross with common ewes to produce mutton sheep," the votes were: For Southdown, 64; Shropshire, 26: Cotswold, 11; scattering, 12. "To produce market lambs:" Southdown, 44; Shropshire, 30; Cotswold, 12; scattering, 14. "Breeds which seem to be favorites:" Southdown, 45; Shropshire, 80; Cotswold, 7; Merino, 22; scattering, 17. "Predominating blood in improved grades:" Southdown, Shropshire, 11; Cotswold, 12; Merino, 20; scattering, 6.

From personal experiences and in formation obtained throughout the state the professor concludes that it costs the farmer less to produce a pound of mut ton than it does to produce a pound of beef or pork. Hence sheep will pay as well or better than cattle or hogs, even if the wool only pays for the shearing The conclusion is also reached in West Virginia, with lands and climate well adapted to this industry and situated so near the large cities of the east, where the consumption of mutton is continual ly increasing, that the growing and feeding of sheep for mutton is a business from which the largest profits may be realized by those who give the matter indicious management.

Texas is at the head of the cattle producing states, having about 7,800,000; next comes Iowa with nearly 4,000,000 The next five range from 2,600,000 to 2,000,000. Eight states and one territory range from 1,700,900 to 1,000,000; 14 states and one torritory have less than 1,000,000 pack, while 18 states and one territory have less than 500,000 each. Rhode Island and Delaware have each less than 100,000,

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Respectfully yours.

JAB. M. NEWTON.
Aberdeen, Brown County, O.

Capt. J. D. Johnston. To all whom it may concern: I hereby teatily to the wonderful properties
of P. P. P. for eruptions of the skin. I
suffered for several years with an unmightly and disagreeable cruption on
my face. I tried every known remedy bos in vala, until P. P. P. was uned,
and am now eatirely cured.

(Signed by) J. D. JOHNSTON,
Savannah, Ga.

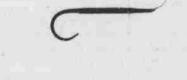
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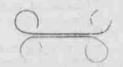
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