THE RIGHT OF WAY

tapped impatiently on the table. The other members of the board kept a constrained silence, and the second rus." vice-president, in charge of extension, cased longly out of the window. It link was at him the president was directing his remarks.

"It is ridiculous," be said. "that we branch line. A casual observer would rectainly suppose that the executive are the mountains in which the new the railroad and the mines. We must runch. cross his ranch, but he declines to seil is bull-headed. He says the country said. was getting along without railroads get along without them still. We must in harvest time, his scanty locks some done, and he replies by suggesting that down the walk with great strides. our grading outfit bring along one flatcase correctly?"

"You have," said the second vicepresident, removing his gaze from the lus tried to look pleased sign below to the map on the indie, with one exception. Colonel Snortmunity, and more; he is a comor-floor of land; he is a political party, because Come in Mister-erhe employs more cow punchers than you can ordinarily get together at a country dance; he is a law-giver, because of his wealth and the taxes he pointing at Bucyrus. pays; he is a law-enforcer so far as he sees fit, because he can shoot lus. straight and has men with him who pleasure of meeting, is the most benu- a greaser to give him to?" tiful young lady in the Territory. What can a poor, ordinary railroad company do against such a combination? We cannot condemn until we can get a right of way from the board

The president mopped his brow. His picked up his silk hat

across that ranch some way."

the road. Theophilus Smith carefully one mule that can run. watched it for a moment, and then ly down the road toward blin Now accessories. and then he could catch glimpses of they, too, went flying down the road. ble something about "fools rushin' in

nut day, le it not?"

He gripped the bridle bard, pulled and sild. There was more dust, and then they stopped.

brero to the girl in the buckboard. Basin country. She looked at him with wide-open blue

to stop you so rudely merely to ask you a question; but will you kindly lightened the pocket of many a cowpardon me and informe me where Colone; Snorthly lives?"

'The young lady's lips quivered, and, instead of replying, she burst into tears. Then, recovering from her embarrassment and fright, she drew a deep breath and smiled faintly, and, us the color came back to her cheeks.

she answered: "I am the colonel's daughter, and I will gladly show you the way home.

Theophilus spoke a few words to the still restless horse, handed the ing and came from over the range with reins up to the young lady, and led all hands to enjoy the holiday. imeyrus to the rear of the buckboard, to which he fied him

"I suppose," said the colonel's daught r. as they started up the road, "that chine between them. The crowd I should thank you for saving my life and my father's best buckboard. Real- Glory did not smile. But when the ly. I thank you very much. If you animals reached the half, there was a will stop at the house for dinner, I change. Bucyrus seemed to remember will try and show my gratitude with some tortillas and frijoles of my own ing for the government. He began to

"The debt of gratitude is on my side. and not yours," Teophilus snawared. "I am in search of work as a cowboy and I cannot but hope that your "Cowboys dont's talk like that," she i little starply, eying him in ourprim. "You're not nited for a range tri anyway. Cattlemen don't ride That night Thoophiles showed

T HE president of the Great South | sulmal more ridiculous, stupid, and idiwho rides one."

"But your father doesn't know Bucy-

"Nor his owner," she rejoined, laugh

They stopped in front of a long low adobe, ranch-house, with deep-set windows and doors. Ivy circled the winshould be blocked by the obstinacy of dows and climbed to the caves. A few one man in our endeavor to build this fir trees, some tall blue gums, and a dozen palms stood in the front yard. The house was set far back, and the department of the company had suffi- verands that surrounded it was halfrient brains to overcome such and ob- hidden in the green of orange-trees. A stacle as this. The situation is sim- stream from the mountains ran gle enough. Here is our road and here through the orchard in the rear, its course marked by a line of cottonstrikes have been made. To develop woods and willows, that broke the them, machinery must be hauled in monotony of the otherwise treeless and ore hauled out. That means a mesa. On the other side of the creek, branch line. One man owns all the and at some distance from the house, had mesa and foot-hills between were the corrals and stables of the

The young lady stepped lightly to a right of way. He is a ploneer and the ground. "I will call papa," she

A few minutes later a tall man, when he came there, and that it can heavy set, with a face like a fool moon evercome his objections-but how? We what grizzled with the first snowfall offer to pay him well for all damage of the winter of life, came swinging

"How air ye!" he shouted before car of coffine. He is certainly a con- reaching the gate. "Glory tells me ye trary individual. Have I stated the ketched that son of Satan thar jest in time. I'm glad to meet ye." He siezed Theophilus' hand and Theophi

"Jack!" shouted Colonel Shortally A dusty cowboy with a sombrero on ally is not an individual; he is a com- the back of his head sauntered around the corner of the house. "Take that because he owns forty thousand acres hoss out beyond that 'n shoot him.

> "Smith." "Dinner'll be ready by'n by. Whar'd that beast come from?" he added,

"He's my mule," answered Theophi

"You don't say so! S'posed you can do likewise; he is society, because know'd better'n that. Mules hain't no his daughter, whom I have had the place on this ranch. Can't you find

> "Bucyrus is no common mule," said his owner, calmly; "he knows more than any horse you ever saw. And he can run, too."

This last remark amused the colone of supervisors, and he is the county so mightily that he sat down on the porch and laughed heartily. A mule that could run! "I never yet clapped gaze wandered across the street and eyes on a mule that could ketch a down seven stories. He arose and yearlin' calf in a fair race. Must be a slow kentry you grow'd up in, young "All right," he said. "We must get man." The colonel wiped his eyes and chuckled.

"Well, if I stay," said the defender A cloud of dust was coming down of mules, determinedly, "I'll show you

"Stay! Of course ye'll stay if ye turned Bucyrus among the bowlders wanter," said Colonel Snortally, corby the rondside. Bucyrus was his dially. "Ye kin hev your pick of jobs. mule. Just ahead of the dust-cloud an' ef you must make a holy show of appeared a frantic horse, tearing wild- that mule, we'll pervide the necessary

Theophilus stayed. He was handy a swaying buckboard and a young lady with the lariat, rode a horse like a elinging to the seat. Theophilus, who native and a mule a great deal betwas a careful young man, put his ter. He evidently understood all the brierwood pipe in the inside pocket of marks and deeps of the bovine charachis jacket, drew his sombrero down ter, and very shouly won that for him tightly upon his head, and then dis- self which he could not for his mule interestedly watched the approaching -the colonel's respect. When Bucy rmeaway. As the dust-cloud and its rus would head off a skillful stamcontents passed, Bucyrus wheeled, and peder, Colonel Scortally would grum-Through sand and over bowlders they and when he would dodge a belligerent went, horse, buckboard, mule and dust. steer he would grow something about "Excuse me, miss?" said Theophilus, a "fool for luck." On the subject of as he came alongside and reached for mules the colonel and Theophilus conthe bit of the running horse; "pleas tinued to disagree. They argued the question morning, noon and night. The colonel pointed out the bad qualities sidewise and backward, and Bucyrus of the mule; Theophilus grew eloquent cheerfully sat down to the occasion over the animal's virtues. Glory smiled, but took no part in the discussion which resulted in the famous race at Theophilus rubbed some of the dirt Crag's Corner-a race that is still memfrom his eyes and raised his som- orable throughout all of the Poncho

The colonel brought out a longlegged mustang that he had purchased "I am very sorry," he said, politely. across the border the year before. This mustang was a sad deceiver, and had boy who had backed a home animal against the imported stock. A lightweight Mexican rode him. A few minutes later Bucyrus ambled forth wearing that surprised look of a mule when he is but half awakened from a sweet dream of peace with plenty of barley hay in it. Judge Arkansaw West officiated as starter and judge. All the inhabitants of the Basin were on hand to see the race, and even old man Johnson stopped his sheep-shear-

At the start the mustang ran away from Bucyrus, and at the quarter there was room enough for a threshing ma laughed and cheered. For some reason that he was neither asleep nor work run. At the last quarter there was slience, for the crowd was bolding its breath. While the mustang and Bucyrus were coming down the home stretch the colonel's countenance was interesting, and when Bucyrus passed under the wire something more than

tatiously reviewed the merits of the mule family, and Bucyrus in partie tiar. The colonel sat in flery silence and chewed his end of bitter reflection. but finally, when Theophilus wound up by deciaring that Bucyrus could outrun the Oveland Limited from Crag's Corner to the mountain road crossing a distance of a little over a mile, Col-

"I'll bet ye anything ye want that yer wall-eyed apology for a hose can't do anything of the kind," he said.

Will you bet my pick of any bundred unimproved acres on your ranch against Bucyrus that he can't?" quietly asked Theophilus.

"Sartinly," said the colonel, who, deep down in his heart, had a fiking for Eucyrus.

"All right," said Theophilus; "if you say so, we will settle it to-morrowgoing west." The colonel said so, and went to bed

By the light of the stars that night man rode hurriedly down to Crag's Corner, the nearest railroad station. and before dawn rode as hurriedly back to the ranch again.

The next day was another day of excitement in the Basin. The rumor of the novel race spread swiftly. That is why lke Williams heard, way up in Rocky Guich that Colonel Sportally and het his forty-thousand sere ranch against a herd of mules that a certain swift animal of that kind could not beat the Overland Limited in a tenmile race.

The wagon road ran for miles along the railroad track, so Bucyrus was not handicapped. The race was an even one up to the last fifty yards, when Encyrus, by a tremendous spurt, shot ahead and passed the crossing with twenty feet of daylight between himself and the engine. But there are wiseacres in the Basin who shake their heads when telling of that wonderful race, and hint that the engineer was half a sleep.

Colonel Snortally was a good loser, and he cheerfully invited Theophilus out the next day to choose his hundred acres. He was not the less cheerful because Theophilus the night before had made him a present of Bucyrus. Theophilus proved an amazing chooser. He took a narrow strip of land running from the corner up to Warder's Canon, at the foot of the mountains. To the colonel's jesting about his choice, he said something about it making a good race track.

About a week later Theophlius was enjoying one evening a quiet after dinner smoke on the veranda. He was at peace with the world, when Colonel Snortally came up the walk. The colonel's face was like the sun shining red through a thunder cloud. He was too much agitated to speak for a minute, but when he did begin to talk his words were to the point. From his expressions one might gather that he was perturbed by the fact that Theophilus had sold a certain hundred acres of land as a right of way to the Great South-Western Railway Company, Colonel Snortally finished by declaring his intention of removing from the scene a stranger who had taken him in, and therewith drew his revolver.

There was a rustle of a dress, a low ery, and Glory was sobbling, with her face on Theophilus' shoulder.

"Don't do it colonel unless compelled to," said Theophilus, rising with one arm about Glory, "and unless you want to make Glory a widow. We were married two days ago."

Colonel Snortally's face grew white and the revolver slipped from his grasp. Glory was the dearest of all

The president of the Great South Western Rallway Company looked across the street and down seven stories. Then he arose and picked up his cane and slik hat.

"Well," he said, "we won after all. That was cleverly done - cleverly

"Yes," said the second vice-president; "but the attacking force lost heavily. For the young man from my office who engineered the deal has married the colonel's daughter, made peace with the colonel, and at the last report was laying out a town at the tern tous of our projected branch, and selling corner lots."-Argonaut.

Census Work in Europe. To the American observer of Euro pean census methods, one of the most striking characteristics is the decentralization of census work. In the United States the census is completely centralized; every person engaged in the work acts as an officer or employe of the federal government, and all expenditures for census purposes are made from the United States treasury. In mest countries of continental Europe, on the contrary, both the labor and the expense of collecting the original census data devolve upon the municipalities, townships or communes.-Century.

Eyesight of Fishes. In the water fishes see only at very close range-about half their own length. This will seem perhaps unlikely to anglers, although some of them can cite instances showing that fish cannot see far. Snakes seem to have very mediocre sense of sight. The loa, for example, does not see at more than a quarter or a third of its own length; different species are limited to one-fifth or one-eighth of their length. Frogs are better off, they see at fifteen to twenty times their length.

Pishers of Newfoundland More than one-fourth of the inhabit ants of Newtoundland are engaged in catching and curing fish for a liveli-



In the electric furnace of H. Goldschmidt, a ton of steel is made from the ore by 4,000 borse-power bours of energy, and from scrap iron by 1.300 horse-power hours.

Anaemic persons and convalescents seeking strength find great benefit in the grape cure, which is an autumn attraction at Wiesbaden. The effects are explained by the sugar, which forms 25 to 50 per cent of the grapes.

The hot springs that contain living bacteria are much below toiling point in temperature, but J. Adams, of Dubin, reports having observed eggs of a certain mite (Tyrog'yphus histiostoms) that survived boiling for five minutes.

Traction tests with electric automobiles in London have shown a surprising increase of the starting pull en oiled pavements. A pull of thirtynine pounds per ton was needed to start on dry asplinits, forty-nine and a half pounds on wood pavement and 104 pounds on dry macadam. On greasy asphalt a pull of nearly seventy-nine pounds per ton was neces

The wireless system of telegraphy has been tested successfully in the Coast Survey. Last summer, as an experiment, one of the surveying vessels, using short-distance apparatus, ransmitted the half-second beats of its chronometer to a shore station more than sixty miles away, where they were automatically recorded on a moving tape. It is anticipated that for the determination of longitude the wireless system will eventually take the place of cable and telegraph lines.

Human life is possible under varied conditions, and, if a recent report is correct, British New Guinea has a tribe whose environment has made them incapable of walking. These people live in a swampy region, and, as walking and canoeing are alike impracticable, they remain constantly in their dwellings, which are built in the trees just above the marshes. Disuse has caused their limbs to shrink, while their trunks have become bloated, giving them an ape-like appearance and

German experts say that wood which has been floated in rafts, or otherwise, gives a more trustworthy material for joinery and building purposes than does that which has been carted, or otherwise carried dry, to the sawmill and workshop. The reason is that while the wood is lying in the water its sap and albuminous and salty materials are dissolved out. If these substances remain in the wood they readily absorb moisture from the atmosphere, after coming out of the drying rooms, and the wood swells. Artificial processes of washing out the hygroscopic substances from wood which has not been floated are practiced in

Germany. In describing experiments made for the Department of Agriculture on the effects of lime and magnesia upon animal production, D. W. May of the Kentucky Experiment Station remarks greatest development in live stock has been attained in limestone regions. He adds that in the blue-grass region of Kentucky, long noted for the beauty and quality of its live stock, and especially of its thoroughbred horses, the soll has been formed largely by the disintegration of a limestone very rich in phosphates. But even in that favored region experiments are under way to determine whether the quality of the animals may not be improved by the addition of certain mineral elements to the food.

INCIDENTAL EDUCATION.

Acquirements That Contributed Toward buccess of Louis Agassiz.

It does not appear that Louis Agas siz, the great naturalist, had as a child any precocious predilection for study, but his love of natural history showed itself almost from infancy. In "Life and Correspondence of Agassiz," Elizabeth Cary Agassiz, his childish amusements are described. When a very little fellow he had, besides his collection of fishes, all sorts of pets: birds, field-mice, hares, rabbits and guinea pigs, whose families he reared with the greatest care. Guided by his knowledge of the haunts and habits of fishes, he and his brother Auguste became the most adroit of young fishermen, using processes all their own, and quite independent of hook, line or net. Their hunting grounds were the

holes and crevises beneath the stones or in the water-washed walls of the lake shore. No such shelter was safe from their curious fingers, and they acquired such dexterity that when bath ing they could selse the fish even in the open water, attracting them by little arts to which the fish submitted as to a kind of fascination.

Such amusements are no doubt the delight of many a lad who lives in the country, but they illustrate the unity of Agassis' intellectual development from beginning to end. His pet animals suggested questions, to answer which was the task of his life; and his intimate study of the fresh-water fishes of Europe, later the subject of one of his important works, began with his first collection from the Lake of Mo-

As a boy he amused himself also with all kinds of handicrafts on a small scale. The carpenter, the cob-bier, the tailor were then as much de-veloped in him as the naturalist. In

days for the tradespeople to go from house to house in their different vocations. The shoemaker came two of three times a year with all his materials, and made shoes for the whole family by the day; the tailor came to fit them for garments which be made in the house; the cooper arrived before the viutage to repair old barrels and bogsheads or to make new ones, and to replace worn-out hoops; in short, to fit up the cellar for the coming sea-

Agustiz seems to have profited by these lessons as much as by those he learned from his father; and when a little fellow he could cut and put to gether a well-fitting pair of shoes for his sisters' dolls, was no bad tailor, and could make a ministure barrel that was perfectly water-tight.

a valuable part of his incidental edudexterity in manipulation to the trainchildish plays.

INCONSIDERATE FRIENDS.

They Did Not Do Things Exactly to Suit the Borrower.

Eben Rawles was the town borrower The position would seem to most per sons to be one which would deprive the incumbent of the right to find fault, but Eben took a different view

"It heats all how long it takes some folks to read the newspapers," he suid discontentedly one day to an idle list ener. "Now there are the John Potters; a well-meaning family as ever lived, but they're downright thought-Why, again and again when I the morning they won't know where it is. Oftentimes I've waited as much as half an hour while they hunted up that paper, and then very likely there'd be one page missing, and nobody'd know just where it was.

"They haven't got any system, that's the trouble with 'em. It's a large family of different ages, and I suspect they portion off the paper in the evening stend of keeping it all together and reading it one at a time.

"I can manage better with their weeklies, for I told Mis' Potter I'd go right over Friday mornings soon as it came, and read it out on the porch Then they could do what they were a mind with it afterward.

ble with the magazines," said Mr. Rawles, sadly. "I pledge you my word it's been ten days after a magazine upon the dense shrubbery near the was out, time and again, before I've got a sight at it. They keep it to read a few yards away, he said, with a aloud, the women folks do. It's a dreadful wasteful habit, but I can't lovely place in midsummer, but it make any impression on 'em. And must be cold here in winter.'" when I get it," and Mr. Rawles assumed a stern expression, "it's ten to one if that youngest child hasn't been allowed to cut a picture out of it that just spoils some advertising article.

"To persons situated as I am al printed mater is valuable, and I hate to see such tampering with it; but we all have our trials, and I suppose discipline is what we need."

EUROPE'S HIGHEST RAILWAY.

Roadbed and Track a Fantastic Play of Turns and Loops.

the steepest gradient the track leads away. its guilles and rocks, to Bergun, 4,500 with the telltale speckles of its breast

Abruptly emerging from rocky dethe pan rama the railway follows the as man draws near, it will spring noise leries and bridges.

1. almost impossible to follow the convolutions of the line as by threeand the Brenner Railways. After as betray its tracks.-Outing. cending more than 1,300 feet the line reaches the entrance to the main tunnel at Preda. The track is in its last part a fantastic play of turns and loops, from which, by an easy ascent, one reaches the pass of the Weissenberg and the Devil's valley, where the steep basin of rocks is crowned by the twin giants (Piz Giumells).

Here the Albula chain is pierced by a tunnel more than three miles long. 6,175 feet above the sea and 3,900 feet under the Piz Giumells, passing the dividing ridge between the waters of the Rhine and the Danube-the highest standard rallway track in Europe

Moved by Inspiration. President Remsen, of John Hopkins University, who is one of the City College alumni, tells this story of himself and of James Codwin, who was for many years a tutor at his Alma Mater. Mr. Godwin asked young Remsen at recitation a question in mathematics which the latter was unable for the moment to answer.

the student who was to follow. Just then, however, the answer came to Remsen, who began to give it.

"Next." said the tutor, turning to

"You must be beside yourself," genfally remarked Mr. Godwin.

We would suggest to the men that out in shaking rugs instead of siamming doors.

Large shoes look all right if they are

************************* CITY LUTE WAS BULL

"Not long ago I had an old ger man from a rural village to visit me." said the suburtanite, "and he found New York dull. I never realised before how dull our place could be." The New York Times explains why the gentleman from the country found the city less lively than the life to which he had been accustomed. To most persons, particularly to city residents, the old man's point of view will be a new one

"When at bome the old gentleman was accustomed to go after his mail," said the city man; "so after breakfast one morning he said he would just He remembered these trivial facts at step round to the postoffice and ask for the mail. We had to explain that cation. He said he owed much of his there was no postoffice within two miles of us, and that we never visited ing of eye and hand gained in these the office; we just waited until the postman came round.

"When the old gentleman was balk ed of going to the postoffice, he said that he really must get shaved. Would we direct him to a barber shop? Then I had to tell him that I didn't know of a barber shop within a mile of the house. I shaved myself, and when I needed the services of a barber I found one downtown.

"That greatly surprised bim, for at home his visits to the barber, a cheerful, neighborly, talkative fellow, are among the pleasante-cincidents of the week. It also set him thinking, and we had to confess under cross-examination that we hardly bought so much as a paper of pins in our part of the step in for their paper first thing in city. We did not patronize the little shops of the region. Everything we needed we bought in great shops ten miles away. We had to wait for most things twelve or even twenty-four hours, and if an article was urgently needed, we had to make a journey of something like twenty miles to get it.

"That seemed to the old gentleman an excellent joke on city life. His own village is about as far from the only near-by city of any size, as our house is from the heart of New York. It was plain enough that he thought we had returned to something like the conditions of the frontier.

"He was evidently comparing the inconveniences of our situation with the condition of his farmer friends a few "But I experience my greatest trou miles from his village. He had always been sorry for them; he was just as sorry for us. Looking round house and the wall of woodland only kind of shiver, 'No doubt this is a

GROUSE IS A CLEVER BIRD.

It Evades the Hunter by Tricks that Display Its Intelligence.

It has 100 tricks of defense. It will sometimes lie still until the hunter is within a yard of it, then soar straight upward in his front, towering like a woodcock; again, it will rise forty yards away, and the sound of its wings is his only notice of its presence. It will cower upon a branch under which, he passes, and his cap will not be more than a foot below it as he goes, and The Albula-Engadine line, opened for though it has seen him approaching, it traffic recently in Switzerland, is de- will remain quiescent in frightful fear scribed by Emil Rucker, in Page's until his back is turned. It will flush magazine, as the highest in Europe. | then, and when he has slewed himself The line traverses scenery of great hurricity around he will catch only a beauty. By turns and loops and by glimpse of a brown, broad wing far

now above and below the highway, Wounded and failing in the open, if through the Bergunstein, famous for will be found-if it is found at allagainst the trunk of some brown tree against which its feathers are indisfiles, the train passes Bergun, sur-tinguishable, and the black ruff about rounded by the giant Albula Dolo the neck of the male will be laid mites, Piz Rugnux, Piz d'Aela and the against the darkest spot of the bark. Albulahorn. During the last part of Often it will double like a fox; often, slopes of the mountains. Between lessly into some spruce and hide until Muot and Naz parts of the railway he passes, dropping then to the ground may be seen above, below and on each and continuing its feeding; often, too, side, with its chain of viaducts, gal- it will decline to take wing, though unhurt, and will run fast for a ball mile-so fast that the most expert woodsman will be unable to keep pace fold turns and loops it passes through with it. This it will do only on leafy tunnels suggestive of the St. Gothard ground and never when snow would

> Mark Twain and a Poet. A new story is going the rounds about Mark Twain and a young poet. "How long does it take to get fame

from a poem?" asked the poet. The sage thought and in a few min-

utes said: "Well, it takes about four hours to write one and nineteen years eleven months thirty days twenty-four hours and fifty-five minutes to get it published! Then it's a toss-up whether it's famous or infamous."-New York

Pimes.

Like the Subject. "D'Auber is home from his trip to the Rocky Mountains, isn't he? What sort of a time did he have?" "Oh, he spent most of his time mak-

ing sketches of the mountains. He showed me a lot of them." "How are they? Natural?"

"Well-er-they're certainly rocky." -Philadelphia Press.

Very Curious. "The.e's a curious thing about an mbrella I bought the other day. "Yes, indeed, that is a curious thing."

"What do you know about it?" "Didn't you just say you bought it?" -Philadelphia Press. One secret has been kept for many

centuries; and that is the terrible

worthlessness of the people collective No matter how great a ph man may be, he can never figure out

tow he caught a said.