wish to meet for consultation and to make plans for self-protection in northern Michigan they are able to do so at any time of day or night by means of legs, wings or fins, and, whea the convention adjourns, they quietly seturn, each to his favorite spot. These examples only serve to recall to mind what every boy and girl knows and has known ever since he can rememberthat most animals move about whenever they want to or whenever other animals will let them.

Some small animals, like lice, ticks and tiny spiders, walk slowly only for short distances. Suppose food became scarce and they are suddenly seized with the desire to move for a long distance, what are they to do? On such scensions ticks and lice watch quietly test of birds or flying insects or other animals which may happen to come their way, and, like a boy catching on to a farmer's sleigh, ride till they get | he track. far enough, and jump off or let go and explore the surrounding country to see whether it is fit to live in. A spider is dissatisfied for some reason and wants he leave the home spot She climbs to the top of some object, spins out a fine, Mer awhile it will become so long and light that the wind will bear the thread and the spinner for, no one knows, how long nor how far. The study of lice and spiders shows how wingless insects can go long distances without wings of

How is it with plan . A black raspberry bush of a tree of the common toslow locomotion, you say, but let us itm. look a little further, remembering that a seed is a attle plant placed ready for transportation. In summer buds an formed, blos-

soms appear and these are followed by akes might have been introduced with small green and butter cerries, which hardly anything cares to eat. They grow slowly, become not and pulpy and good to eat. How is bird or boy or girl to know where they are and when they are iit to eat? The plant has enterprise and mas displayed two want advertisements just by painting the berries bright and then dark purple when they are good to eat. But is the plant made expressly to produce iberries just to feed blids and children? If that is all, why are seeds formed in the berries in such large numbers? No! They produce berries that contain seeds to grow more bushes. Then why should not the berries always remain bitter or hard, so that nothing would touch them? If we may say so the plant produces sweet and showy berries on purpose to be eaten that the seeds may be carried away. What becomes of the seeds? Each one is inclosed in a hard, tough covering, which protects it from the distruction in the stomachs of most birds and other animals. The seeds are well distributed by the animals, which eat the berries. The brilliant colors of ripe berries say to bird and child.

"Here we are; eat us, for we are

The sweet pulp pays the birds for distributing the seeds, else they would not be so distributed. The seeds are as well provided for locomotion as the ticks, the mites and the spiders, and when ready to go the berries flaunt | their colors to attract attention. You see, then, that, although the old parent bush cannot change its place, young sbushes grow from the tips of the branches and seedling; spring up at long distances from their old home.

The common locust, like the raspherry, remains for life in one place. Its long limbs are not slender and recurved to the ground to start new colonies, but its roots spread from twenty to forty feet or more and send up little trees in every direction, and this is about the same as moving slowly about After a time the tree blossoms and flarge numbers of thin, flat pods are produced, but even when the seeds are ripe the pods remain of a dull color as the raspberry nearer right in plan and the more enterprising? The pods of the locust wait and wait, holding fast for a long time, but nothing comes to eat them. They become dry and slowly split apart, each half of the pod

msually carrying every other seed. Some of the pods with the seeds are torn off by the wind and fall to the ground sooner or later, depending on the force of the wind. Each half-pod as it comes off, is slightly bent and twisted, and these are want advertisements given to the wind:

"Here I am, thin, dry, light and elastic. twisted and bent all ready; give me ifft to bear these precious seeds un the fall into the valley or over the

And the wind is sure to come along a slight breeze to-day tossing the haif pod a few feet, leaving it perhaps to be again moved further forward. The writer has seen them trans by this means to the distance of Char a block in extent. But man.

of the pods stick tight to the limbs dill winter comes. A breeze rears off a few pods, and they fall on the snow, which has filled up all the crevices in the grass and between the dead leaves and rubbish. Each half-pod freighted with its small seeds is admirably con- Coats and Jackets For Fall structed like an iceboat, with sail always to the breeze. In this way there is often nothing to hinder some of the teeds from going a mile or two in a few ninutes, now and then striking some object which jars off a seed or two. The seeds are very hard, and purposely io, that they may be seldom eaten by nsects or birds, but once in moist soil he covering slowly swells and deape. Thus the lowest seeds are prorided with neither legs, wings, pins, for do they advertise by brilliant has and sweet pulp, but they travel in a vay of their own, and literally on the vings of the wind.

The woods, fields, marshes, roadsides ver abound in interesting objects proided with strange devices waiting to is studied by inquisitive girls and boys n and out of school, and this finding When many kinds of will animals out of nature's puzzled is one of the eepest pleasures of life.

First Locomotive Whistles.

We are accustomed to regard the vhistle as a very important part of the ocomotive engine, but within the memory of some of the older engineers the sell gave the only warning of the apcroach of a train. The first whistles vere intended as a warning in more vays than one. In the early days of he railroads the trains were much inerrupted by cattle, sheep and pigs on he right of way, and in order to frightn them off a small hole was bored in ront of the engine boiler and fitted vith a tube. When the train came ratling along and the engineer saw a cow in the track he opened this hole and out spuried the steam and hot water the first opportunity catch on to the vith a tremendous cracking and hissng, filling the air with a cloud of mist. t was enough to frighten the most inrepid cow and send her bawling from

Presently some ingenious workman itted up a reed and drove it into the team hole and the same hing and whistling that it made intonly frightned the cows, but terribed every one vho lived along the road. But it did long web, which floats in the air, and ts work so well that it e whistle was inally removed from ite front of the ingine and placed on ear, where it is ised to⊸day

A similar story is told of the first teamboat whistle user on the great akes. Early in May, 1841 the steamer tochester departed atom Buffato, bound for Chicago. The eigeneer was , mechanical genus us ned McGee. must growe fast in the ground and has and he had constructed a care whistie to stay in one spot for enthey have from plans which here seen in a scineither legs, feet no. wings, and yet intiffe paper. On the companies lakes they all travel. The brack raspberry, he blew it at every much to the bush takes deep roof out spreads out justonishment and to . Ithe inhabitka branches, which are sometimes ten ints. Just before it a rong Mackinaw feet or more in lens , and the tips he Rochester, after a lively race, passcurve over to the grout sala feet, and ind the steamer Gen Poster Capt. C. finally take root and new colonies are . Gager. Engineer M tree celebrated Formed, five to twenty as a year by one he victory by blowing the wristle design straight line, but some of the sack bush. True, the ald 100 a co not get isively and noisily Wall both boats backs are drawn to the figure by tabs very smart brown serge frock had one id up in a rage, shading his fist and made some progress. This is rather laring Modee to come down and face!

> it me for?" he roused rie.ds, steamboat whistling on the costume of gray cloth trimmed with

vilvely battle of fisticults.

Bee-Hunling A gentleman who specifisome weeks in a sheep ranch in Vasitalta gives a very interesting account of a day spent n bee-hunting with one of the sheep ierders. This gentleman had been old that this herder had secured a housand pounds of home, the previous leason. When he have this, he asked he bee-hunter if he are go with him The bee-hunter gave his consent. The iay for the expeditions one. The beeunter provided himself with some pure white cotton a buttle with some rum, and a bottle of va . They started for the bees' land rera long time | jewels are never out of fashion nothing occurred At east the beeunter gave a start and went cauiously into a clump of flowers. Then he gentleman saw a loo reiched on a talk gathering hones i he hunter fillid his mouth with ware, from the bot-Ie, and when near enough to the bee squirted it on the bee weiting it thoroughly. Deftly then ... applied a bit of cotton to the back of the bee with the gum. As soon as is wings were iry the bee started to, home, the hunter and his friend tolessing it for miles. At last it disappeared in a hole in a ree. The store of honey was found. The bee-hunter smoked out the bees and got seven pounds of honey. When he was ready to leave, he gave an exnamation of joy, as he looked at a oird, something like a sparrow, but smaller, that hovered near. This, he explained, was a honey bird, and that the bird would guide them to a home of bees. Off they started again, the bird-flying before them After traveling many miles the bird havered about some trees. The bee hunter watched. At last a bee appeared, and darted in a hole in the tree close to the ground. These bees were smoked out, and another large store of honey secured. The bee-hunter left some for the honey-bird as wages for guiding him to this storehouse.

A Wonderful Shawl.

The Empress of Russia possesses so many marvellous articles that it is hard to describe any as being most wonderful. There is no doubt, however, that a shawl presented to her as a wedding gift by the ladies of Orenburg, a town in the south of Russia, ranks high as one of the most curious

of her numberless possessions. The shawl reached the Empress in a wooden chest, with silver locks and hinges, the outside being embellished with designs of spears, turbans, whips, etc., in a ground of blue enamel, this being the color of the Cossack uniform. On the inside of the box is a gracefully worded inscription, begging the Empress-to accept the gift from "her faith-

ful and devoted subjects." The shawl when spread out, is about ten yards square, but is so exquisitely fine that it can be passed through a ring, and when folded up, it makes a parcel of a very few inches square. It was a unique present, and is not only purious, but exceedingly valuable.

and Mountain Wear.

THE ERA OF STRAIGHT FRONTS.

Smart and Useful Coats of Irish Friese-Autumn Colfures For Maid and Matron-Importance of the Finishing Touches of Dress.

The long coat is invaluable for traveling, and for country and bad weather wear it will be found a very useful companion Covert coating, hopsack and serge are all admirable if endowed with a finish which prevents the material from spotting or cockling with rain. If intended simply for a rain



waterproof serge is excellent and is supplied by all the leading manufac turers of serge

The fronts all hang more or less in a at the waist

Coats of Irish frieze lined with bright "What are you squ ving that things plaid slik are useful and smart for late fall mountain wear

And if it had not been for mutual | The illustration shows a tallor made

gray and white passementerie. The

hat is trimmed with shaded ribbon

HAIRDRESSING FASHIONS.

There is no hard and fast rule so far as coiffure is concerned. Large, loose waves are still the fashion, and a good many exclusive women are wearing their hair simply parted and drawn back, without any wave at all

Young girls are wearing the hair low. with a big black silk or velvet bow be one day on a bee had no expedition. hind. For smart occasions in the evening the hair is generally dressed very high, and innumerable tortoise shell pins are worn. The wreath of leaves and flowers is still to be seen, and

For morning wear the short skirt is



White is still popular in all kinds of fabrics and styles, but with the advent of the fall brown will obtain a greater prominence than it enjoyed even last

The smart blouse and skirt of the future must be in one shade. There is a rage for spotted and check-

ed material made up with plaited waists and skirts.

The cut shows a dinner gown of satin trimmed with a Greek design in narrow velvet.

SMART SUEDE COATS.

The smartest things which will be beloved of Paris later on are the coats made of suede in greenish gray and brown tints and dark myrtle green. Naturally the cloth skirt must match exactiv

It is the finishing touches which count on the simple morning gown. French women put into the simplest gowns the most exquisite stitchery.

Even the tailor made gowns show a certain amount of fine stitchery.



TAFFETA SILE GOWN.

tar, and the new plants only get about eached the wharve, Come Gager rush, which collect the central fullness just of the new skirts cut just to clear the ground all around, with three deep | flounces edged with a red and green charmed Miss Dukane that she accepted collar of the embroidery and had two graph. narrow box plaits back and front, finished at the waist with a red suede bund

In the picture is shown a silk gown trimmed with tuckings, little tassels and insertion of yellowish lace

COLLARLESS GOWNS.

A few dressmakers are cutting the demitoilets slightly decollete, but the very best models have high, transpar ent collar bands. Collarless dresses will be worn for restaurant dining, but



BLACK CREPE DE CHINE GOWN.

or feather stole. White spotted fabrics are smart. A very charming ring spot on a soft ground, made up over a silk or satin slip and trimmed with the always popular Irish crochet or valenciennes lace, is one of the most popular of evening gowns for a young girl. Many such gowns have beautifully shaped waistbands of black panne, which seem to correspond so admirably with a black picture hat and give a note of distinction to the all white frock.

The cut shows a black crepe de chine gown having a collar of cluny lace and chiffon ruchings.

JUDIC CHOLLET.

He Had a Close Call, But Wasn't Quite Lieked.

There is an old raftsman on the Susquehanna River whose proud boast it is that he has never been whipped in a fight. This means a good deal, for the sturdy raftsmen are all splendid specimens. Fights over the most trivial matters are of daily occurrence. "Ole Dan," as he is called, has now grown very feeble and rheumatic, but he is never tired of recounting his exploits as a fighter when he was a young man. The old fellow always stoutly affirms that he has never been licked, but after a good deal of pressing he can sometimes remember that he once came very near

being soundly thrashed. "Yes, sir, the nearest I came to being whipped was over twenty years ago. I was carting a load of logs up to the mill one powerful hot day in August. The sun was a-shining fit to sizzle your brains. As I was goin' alongside of a wood, which threw a shadow just half way across the road, I met a man in a buggy coming straight at me. Turn out," sex he.

"Turn out into the sun yourself," sez L "Well, after that we came to words. Bimeby we came to blows.

"We fit till the sun went down and then I turned out." "Oh, you did turn out for him then.

Dan?"

"Yes, when the sun went down the shadow was all over the road. I didn't care then. That was the nearest I ever came to being whipped "

Knew What Courts Were Made For.

A humorous scene was enacted in the Superior Court room at Jackson, Ga, recently, just after sentence had been passed upon a negro charged with burglarizing a store. Col Watkins defended the negro, and was about to open the case with a well-prepared oration of his inn wence, when the negro quietly informed the Colonel that he desired to plead guilty.

Mr Watkins then stated to the court words to the effect that the defendant

desired to confess his guilt Judge Beck accordingly read the law in the case and sentenced the negro for ten long years

After sentence had been passed and of. quiet reigned supreme the negro rolled his eyes 'round and beckoned Tol Watyer reached his side the negro gently back. Whispered

fer a new trial?" The scene was quite ludirrous, and weak. caused much laughter - Atlanta Consti-

Satisfactory to Him. "No Mr Northsole said Miss Dukane, with decision of cannot accept

really the last man in the world I would inorant. think of marry.nk

"That suits me probably " replied the "How so, sir" fem in fed the girl, with trumps.

some asperity. 'Dilis i propose from a sense of duty, hoping I would reject you, or had you a wager in it subject?" "Neither, I assure von You said I shoulder

am the last man in the world you would think of marrying New I see no reason Talk is cheap, but the love prattle in the world why you should thank of of a girl is always dear to the enam

This cheerful view of the matter so narrow piping of embroidery. The it herself The two wil be married in waist was arranged with a cape shaped | September, -Pittsburgh | Chronicle-Tele- | when to stop.

> Familiar But Hated Sounds. "Augh waugh" It was the baby. He had repeated the remark sixty times in the past hour

Mr Newleigh's har, such as it was, stood on end "Gwow ahwb wow" 'gwow filwaugf"

added the baby while people living across the street got up and closed their Mr Newleigh took a whetstone out of

the table drawer and group I his teeth "To think," he graned burying his face in the pilliwa 'ii' I should grow up to become the fath rof a Union depot train-order" -- Rockland (Me.) Tribune.

Not Cheated. The assassin brankshed aloft his gleaming dagger

"Am I to be frustrated" he cried, The heroine clasped her hands

"No, Fitzgerali Brown Brown," she calmly shricked, "do your worst. My true love from a ross the sea has quit, the company, and his understudy is slok. Brown Brown, do your worst You'll never get a better chance!"

With a fixed laugh she laughed at the trombone in the orchestral indifferent to her fate -Detroit Tribune

Styles From the Jungle. cut," said the elephant, nosing about the conversant. lion's cage.

"Before you go around making remarks about other people's appearance away from a girl and tells her that she torted the lion, shaking his mane; "you on his veracity. show your ivories too much when you talk, anyway "--Chicago Tribune.

He Stood Higher.

Mrs Bellefield (to her daughter)-Mr. Dukane is over head and heels in love; given him ten days instead. with vou, dear. Miss Bellefield-So is Mr. Gaswell. mamma.

Mrs. Bellefield—But you must remember that Mr. Dukane is six feet tall, while Mr. Gaswell is only about five feet | Sia. seven in height.-Pittsburgh Chronicle.

A Slander No Doubt. Her head had dropped upon his shoul-

"If only," he whispered, "thy check

could remain there forever. Little thought had he what was to be. Little thought had he until he got home and tried to remove her cheek from his dress-coat with ammonia and alcohol.-Detroit Tribune.

True Blue. Miss Spendlow-And are you sure you are not marrying me for my money? Count Pearline-Ah, were I but after

Too Thin. "No, mine frient," said the Baxter

street merchant as he gathered up the extra fullness in his hand, "there is noding de madder mit dot coat. It is a fine fit, only you was a liddle thin."

Sick With Remorse. "They say that Neudle is sick." "What is the trouble?"

"Remorse. He gave a tramp a counhis store."—Harper's Bazar.

WITH THE PARAGRAPHERS.

Juga and race horses should be well andled.

Some dead Spaniards have been can-

Circumstances make fewer men than hey discover.

It is easier to be wrong than it is to e president.

bad as it's painted. When an orator goes to prison he ac-

juires a poor address. The fit of a tailor-made suit often

lepende on the pockets.

tive on his wife's relations. Familiarity with danger is apt to

Intervention in love is equivalent to declaration of war.

The music of an accordian is sweetness long drawn out.

The poster artist is often the origina

tor of villainous designs. Macduff was probably a brickleyer,

mornings is they get up too early.

Birds in their little nests agree. It would be poor policy to fall out.

on somebody's corns in a street car. The person who has no suspicion of

his own inferiority is never jealous. Man is made of dust and with a little

A man may be a complete master of himself and yet have nothing to beast

'Say, Mr Watkins kain't yer 'peal Electricians supply us with current topics and physicians with news of the

> Diamonds are usually possessed by others when they happen to be

A girl doesn't necessarily lose her head when she lays it on a young man't

men in love declare they will be after they marry.

on their coat lapel their patriotism has reached its limit.

express would thunder along till it struck something.

your other troubles.

the collection plate in order to get the cents of the meeting.

in on the finished product. There are but very few women mind readers, but when it comes to mind

The greatest trouble with some people is that they insist on conversing "You look as if you needed a hair about things with which they are not

you's better trim down your ears," re- is his first and only love she can bank

Sixty languages are spoken in the empire governed by the czar of Rus-

The proportion of blind people in the world is 800 to every 1,000,000, or one in

gallons of olive oil, the market value or which is about \$120,000,000.

average curvature of the earth is 6.9! inches to the statute mile.

that alone I should sue you for breach of 500 feet high it is visible nearly thirty

The highest price ever paid for a poem was 6,000 golden crowns, paid te Sannazaro by the citizens of Venice for his eulogy on their city—a poem of six lines only.

Lyons from the down of hens, ducki and geese. Seven hundred and fifty grains of feathers make rather more terfeit dollar and the fellow passed it at, than a square yard of light, water-proof

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It is better to stand on ceremony than'

The poetry of motion is portrayed by

All ignorant men are superstitious you. To be party is frank you are but all superstitions men are not ig

It's all right for a man to spak right

The angels couldn't be better than

When some men pin a miniature flag

The one redeeming 'eature about sea

The balance of political power is in

It's always necessary to pass around

The man who gives a justice of the peace \$10 for marrying him is apt to wish in after years that the J. P. had

TOLD BY FIGURES.

Italy produces annually 70,000,000

Careful measurements prove that the

visible a little over thirteen miles. I miles.

A new kind of cloth is being made in

cloth.

Occasionally a woman's face isn't as

It's a wise man that knows how to

breed contempt for it .

as he was told to lay on. The greatest objection to summer

But very few men with distingue airs ever distinguish themselves.

too much irrigation his name is mud.

kins to come forward and when the law- the pienic girl with a bug down her

Happy is the woman who has a many changes of goods as she has or

ored swain. out in meeting, providing he knows

Without a conductor the lightning

sickness is that it makes you forget al

the hands of men who can do nothing but vote and find fault.

Some men are workers in the vineyard-and some others get their work

speakers they are very much in evidence.

When a young man sits ten feet

At sea level an object 100 feet high is