COLOR IN FIREWORKS

HOW THE BEAUTIFUL AND DAZZLING

HUES ARE PRODUCED. It Is All a Matter of Chemistry, the Result of the Combustion of the Salts of Certain Metals - The Me-

chanics of Rotating Fireworks. The chief beauty of fireworks is their range of resplendent colors-ruby, sapphire, emerald, topaz, amethyst, aquamarine and scores of tints and shades between. How is all this evanescent glory of color obtained? The secret lies in directed chemical combus tion by means of cases and compositions, the results of marvelous calcula-

tion and skill. The matter is simple enough to those who know. It is attained by the com bustion of the salts of certain metals In other words, the burning metals have each their characteristic color. Sodium gives off yellow flame; calcium, orange; barium, green; strontium, red; copper, green or blue, according to circumstances, and so on. Other familiar metals, iron, steel and zinc, give their tribute of colors. Iron filings give bright red and white sparks; copper filings, a green tint; zinc, a fine blue; steel filings and cast iron borings,

a brilliant fire with wavy radiations. Every one is familiar with the colored fires, but who would suppose that lycopodium, the delicate pollen of certain mosses, so fine that it is used to powder baby's skin, furnishes a rose colored fire with a magnificent flame? These colored fires are called in technical language "fixed fires" and consist of slow compositions that may be piled in little cones on a flagstone and lighted at the top. They burn slowly and there is no explosion. These compositions are made in many colors.

Roman candles belong to the fixed fire class and are also called fusees We all know the straight, slender cyl inder or cartridge of the ordinary roman candle. It is packed as follows First there is put in it a charge of fine gunpowder, and above this is placed a star." These are simply balls of some special composition containing metallic filings, according to the color desired made up with gum and spirits of wine. Stars and charges alternate until the cylinder is full. Each star ball is dried and dusted with gunpowder before packing. The first charge of gunpowder in exploding starts the stellar procession until one after another they blaze individually and vanish like falling stars. Next in order to the fixed fires come rotating fireworks-namely. wheels, fire wheels, bisecting wheels, plural wheels, caprice wheels and spiral wheels, all more or less complex.

The colors of fireworks are a matter of chenfistry; the no less important motions that display the beauty of these colors to the best advantage are a matter of mechanics. The man who is a first class pyrotechnist is versed in both sciences.

The ordinary pinwheel is a simple example of rotating fireworks. It is a long case packed with a fire compos tion and wound round a disk of wood. The outer end of the spiral is primed with an explosive material. When it is lighted it "kicks," just as a gun does when the powder explodes in the cartridge, and round and round flies the wheel, sending out flashes and showers of colored or golden fire.

Some of the most dazzling and glorious effects in pyrotechnical displays are produced by rotating fireworks, for there seems to be no limit to the variety of arrangement of cases and compositions to produce multiple motions and transformation scenes in color in this class of fireworks.

A third class comprises the ascending fireworks. Skyrockets belong to this class and may be simple or very elaborate, according to their garniture of stars, sparks, spirals, serpents or showers of gold or silver rain.

A skyrocket consists of two parts-s body and a head made separately and afterward attached to the body. The body is a straight cylinder of heavy pasted paper closed at the lower end so as to leave only a very narrow opening for the escape of the fire. A central hollow bore extends three-quarters of the way up the body, and all about this is packed the special explosive composition, the downward recoil of which sends the rocket rushing swiftly upward, guided and balanced by the light stick of willow wood. The head, a paper cylinder with a conical top, holds the special composition which is to form stars, serpents, spirals or what not. A fuse in the top of the body explodes when the rocket reaches its utmost height and sets off this composition, the varying color, form and motion of which excite the "Ohs!" and "Ahs!" of the admiring crowds.

The great spectacular displays combine the several classes-fixed, rotat-

ing and ascending fireworks. Temples, trees, ships, portraits, figures of men, beasts and birds, flowers shields, and so forth, are represented by suitable frameworks of wood either wound with coarse cotton rovings about two inches in diameter, impregnated with certain compositions and wet with spirits, or else they have attached to them lances or cases of cartridge paper filled with various compositions, the whole placed in communication by conduits or small paper cartridges .- Youth's Companion.

Identified.

"What has become," asked the occasional guest, "of the pretty black eyed girl who used to wait at that table over in the corner?" "What pretty black eyed girl?" frigidly inquired the young woman with

the snub nose and prominent chin. "If I remember rightly, she had little bit of a mole on one cheek." "Oh, that girl with the blotch on her

face? I think somebody married her." -New York Press.

Has a Distinct Advantage.

Addipus-Don't you hate to be as lean as you are? Skinntons-No: sometimes I find it's a decided help. I can cross my legs in a crowded car without taking up any more room that I did before.-Chicago Tribune.

The noblest question in the world is, What good way I do in it?-Franklin.

The Twelve Wild Geese

By Seumas MacManus

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NCE upon a time there was a girl named Maura, who had had twelve brothers, but when each of her brothers reached twelve years of age he suddenly tis that time another child was born. The appeared, and no one knew what became of them.

When Maura reached sixteen years

of age and her twelfth brother was again. And when the prince came is just carried off she said she would not remain at home, but would travel away in search of her brothers and never stop until she should find them. So she started and traveled away before her far farther than I could tell you and twice as far as you could tell next twelve months worked harder me, until she reached a strange coun- than ever before, for the gathering and try, and there at a wee house, in which | spinning of caenavawn were very te there lived only one old woman, she put up one evening as night was coming down.

The old woman welcomed her and sat her down to a good supper. Maura saw there were preparations made for twelve others besides herself | two times, and when the prince came at the table, and just as she sat down she saw a flock of wild geese coming the blood again upon Maura's hand toward the house. They flew in at the door, and she counted twelve, and as they lit on the floor every one of the wild geese turned into a young man, and they were Maura's twelve broth-

Maura, as you may be sure, was rejoiced, and she said to them that they to agree, so when he gave his consent would all set out for home the next a great heap of wood was prepared for morning, but they told her they could never go home, that they were enchanted, but allowed to come to this house every night and enter into their own shape until cockcrow next morn-

Poor Maura cried bitterly when she heard this. They sat up all night talk- go upon the twelfth shirt, for it was ing and talking, but the moment the cock crew in the morning the twelve brothers turned into twelve wild geese again and flew out of the door and begin to burn ber.

away. Maura asked the old woman if there was no way at all of releasing her stitch in the twelfth shirt, and that inbrothers, and the old woman told her stant a flock of wild geese were see that she could release them in one

"How is that?" said Maura. "It is this," said the old woman. "that for three years you neither she threw a shirt, and the instant she laugh, cry nor speak, but spend all your time in spinning, weaving and into fine, handsome young men, and making twelve shirts from the caenavawn. (The caenavawn is a flower that grows in the bogs. It has a perfectly white, plumy head.)

Maura agreed to do this. And after she got her breakfast she went out into three that had been thrown into the



the bogs and gathered up the full of her arms with caenavawn and brought

them home. Then the old woman gave her a silver wheel, an ivory loom and a golden nee-

dle and silk thread to spin and to weave and to make the shirts. And every day Maura sat down with her wheel outside the little house spin-

ning the caenavawn. But she had not been many days at if he might have fust awakened after this when who should ride past but the a Rip Van Winkle sleep. His horse young prince of that country, and when he saw Maura he fell in love with her at once, she was so very, very beautiful.

He pulled up his horse and asked for a drink, and Maura brought him a bowl of water. He said a lot of sweet | said the depressed stranger, looking things to Maura, but she made him no reply. He gave her back the bowl, kissed her hand and rode on.

Next day he rode past the house gain, and Maura was without, working her silver wheel. He stopped again and asked for a drink of water, which Maura brought to him. He asked Maura her name and where she came from, but Maura only shook her head, and, though he said many nice things to her, she would give him no answer.

and he rode away again. On the day after he rode past there again and asked for a drink of water. And as Maura reached him a bowl of water he caught hold of her arm, drew her up on the horse behind him and

And he ordered those that attended him to bring with them the silver wheel and the ivory loom, the golden needle and the silk thread, and the heap of caenavawn at which Maura wrought, and he rode away and away, "Is this to go on much longer? I am with Maura behind him, until he came to his own castle, and here he married

He thought it very, very strange that Maura would not speak to him and raving lunatic. that she would not laugh and would not cry, but spent all her days in gathering and spinning and weaving the caenavawn and making it up into ly man, "that makes landlords and

shirts. He tried everything he could try to change her. He gave great feasts and guess," replied the savage bachelor. great balls and made Maura attend Philadelphia Ledger. them all, but she never altered. After a year a young son was born

If you wish to please people son must to her. Now, there was a redheaded begin by understanding them.-Reade. leare of himself from thievly."

THE SELFISH COUPLE.

woman in that castle who had expect

ed to marry the prince and who hated

Maura because she had married him.

On the night this child was born she

put blood in the room. So when the

And when Maura did not speak the

For the next twelve months Maura

prince went away in very great sorrow.

and Maura's hands and the room stain

At the end of the next twelve

almost finished, a third child was born

to her, and the red haired woman did

this time as she had done on the other

into the room he found no child, but

and on the floor. He was in a terrible

wrath, and the red haired woman said

to him that he would have to burn

Maura. On the two times before she

had also urged him to burn his wife,

but he had always refused. Now he

thought there was nothing for it but

a fire in the castle yard, and Maura

was taken out and bound to a stake

When she found herself being carried

out, she seized the shirts, and when

they tied her to the stake she worked

But behold! Just as they put the

and over each wild goose as it came up

did so the wild geese were transformed

when the prince and all there were

wondering, up walked the very old wo-

night on her travels, and this woman

to the prince and told him what had

really happened, and Maura was taken

off the pile, and the red haired woman

Maura's twelve brothers were now

forever released from their enchant-

nent, and the prince appointed them

twelve officers in his army, and he and

Maura and their three children were

etched, engraved, gilded or silvered

Slate suitable for the purpose is first

polished with sandstone, then with ar

tificial and finally with very light nat-

ural pumice stone. By this time the

surface looks soft, like velvet, and aft-

er being dried and heated it is impreg

nated with a hot mixture of oil and

fine lampblack, which is allowed to re-

main on for twelve hours. If neces-

sary, this operation is repeated, and

the polishing process is renewed, first

with emery and then with tin ashes

As a finish wax dissolved in turnen

tine is spread over it and allowed to re-

main for some time before being rub-

bed off with a linen rag and plenty of

elbow grease. Then the imitation is

complete, and no one looking at the

smooth black surface could guess that

it hid beneath it a slab of homely slate.

Considerable of a Place.

to an inland New England village ter

miles from a railroad was met at the

station by an old fellow who looked as

and buggy were in keeping with their

owner's ancient appearance. "Here we

air at last," said the driver, when they

finally came to three houses and a

"This isn't much of a place, is it?

"Oh, you don't see all o' it from

here," was the reply. "Thar's two

more houses over behind that hill thar,

a place-but, o' course, it ain't New

The Mad Ambassador,

There was a tragic little scene imm

diately preceding the marriage of King

Edward VII. when he was the Prince

of Wales. With several of his royal

relatives he was staying at the Prus-

sian embassy in Rome, where his host

was the German ambassador, Baron

The responsibility of entertaining so

many august personages under his

roof was too much for the ambassador.

He appeared at dinner one night in his

dressing gown and slippers and to

half the royalties of Europe exclaimed:

heartily sick of it, and it must come to

They carried him to his room and the

next day removed him to an asylum, a

The Small Children

janitors dislike to have small children

wonder what it is," said the fami-

York."-Woman's Home Companion.

blacksmith's shop.

around.

von Kanitz.

an end at once."

A gentleman who had occasion to go

and lampblack.

just as if it were the genuine article.

very, very happy ever after.

was put on it instead and burned.

The old woman led the children

say one word on the subject.

dious work.

on the heap

murdered the child.

Husbands and Wives Who Refuse to Mingle In Society. Selfishness is the bane of all life

had it thrown to the sea, and she stained Maura's hands with blood and It cannot enter into life-individual family or social-without cursing it. prince came to look at his child be Therefore if any married pair find could find none, but saw the blood on themselves inclined to confine them-Maura's hands and over the room, and selves to one another's society, indis the redheaded woman said she had posed to go abroad and mingle with the life around them, disturbed and ir ritated by the collection of friends in their own dwelling or in any way moved to regard their social duties as diswent on as before, and at the end of

agreeable, let them be alarmed at once. It is a bad symptom-an essentially redheaded woman had this child also morbid symptom. They should instithrown into the sea and stained Maura's hands and the room with blood tute means at once for removing this feeling, and they can only remove it by to look at his child and found no child persistently going into society, persistently gathering it into their own dwell ed with blood he was in a terrible ing and persistently endeavoring to learn to love and feel an interest in all rage, and he could not get Maura to with whom they meet. The process of He went away, and Maura for the regeneration will not be a tedious one for the rewards of social life are immediate.

The heart enlarges quickly with the practice of hospitality. The sympathies run and take root from point to point, each root throwing up leaves and bearmonths, when she had the twelfth shirt ing flowers and fruit like strawberry vines if they are only allowed to do

> It is only sympathies and strawber ries that are cultivated in hills which do otherwise. The human face is a thing which should be able to bring the heart into blossom with a moment's shining, and will be such with you if you will meet it properly.

> The penalties of family isolation will not, unhappily, fall entirely upon yourselves. They will be visited with double force upon your children. Children reared in the home with few or no associations will grow up either boorish or sensitively timid.

It is a cruel wrong to children to rear them without bringing them into con tinued contact with polite social life The ordeal through which children thus reared are obliged to pass in gain and worked as fast as her fingers could ing the ease and assurance which will make them at home elsewhere than unvery, very nearly finished, but it was der the paternal roof is one of the very doubtful whether she would be severest, while those who are constantable to finish it before the fire should ly accustomed to a social life from their youth are educated in all its forms and graces without knowing it. fire to the wood she drew the last Great multitudes of men and women all over the country are now living seflying toward them. Straight for the cluded from social contact simply from their sensitive consciousness of ignopile and for Maura the wild geese flew.

She caught hold of the twelve shirts, They feel that they cannot break through their reserve. There is, doubtless, much that is morbid in this feeling, and yet it is mainly natural. From all this mortification and this deprivaman with whom she had spent the tion every soul might have been saved by education in a home where social life was properly lived. It is cruel to had three babies with her-Maura's deny to children the opportunity not only to become accustomed from their first consciousness to the forms of so clety, but to enjoy its influence upon their developing life. Society is food to children. Contact

rance of the forms of graceful inter-

with other minds is the means by which they are educated, and the difference in families of children will show at once to the accustomed eye the different social character of their parents. But I have no space to follow this subject further, and I leave it Slate marble is a Belgian product you will consider it and profit by the suggestions I have given you .- "Timwhich when completed looks just like othy Titcomb's Letters" in Boston black marble and carries a polish quite Globe as durable, so that the surface can be

THE RAILROAD FIREMAN. Building a Fire In a Locomotive I

Not an Easy Job. The average citizen manages to set the house in an uproar every time he has to make a fire in the heater, but his job is a trifle in comparison with what a railroad fireman faces when a new fire has to be built in a locomotive. As a starter about 200 pounds of wood are necessary to fire up the ordinary engine. The wood used is old rallroad ties cut into convenient blocks.

match is applied. As soon as the fire gains headway forced draft is applied, the operation our 100 ton throws one of 2,000 pounds, necessary being performed in the roundhouse, where all apparatus for quickly producing high temperature is at hand. When a good bed of blazing wood has been produced the fireman ty-two inches in diameter, about the gets busy with his shovel, placing coal in even layers over the flames. This fired on this occasion weighing, acpart of the work is hard on the back, and the aggrieved individual whose woes are evident to the whole block when he labors with the heater would Assuming twenty-four inches as the go down and out in the first minute at average diameter of the shot fired at it. Under the forced draft it is only a the siege, the total area of the surface few minutes before the coal has been dressed was nearly 32,000 square feet. reduced to a sheet of embers at white At this siege the weight of the powde heat, and by this time there is enough fired is estimated by General Lefroy steam pressure generated to permit of to have been 250 tons. At the siege of

own power. Continuous resort to the shovel on the part of the fireman does the rest. It is only about once a month that a new fire is built in a locomotive while an' a cooper's shop jost around that in service. The balance of the time the bend in the road thar. Come to bunch fire is kept alight by being banked 'em all together an' it's consid'able o' when the iron horse is not on the road. -Philadelphia Record.

> Plawers of Good Cheer. Although Dr. Oliver Wendell Holmes never practiced medicine, those who him intimately say that he cheered more sinking invalids, cured more sick people and did more good, even from a medical standpoint, than many of his young physician friends. The secret of his power lay in his overflowing cheerfulness and kindness of heart. He scattered "flowers of good cheer" wherever he went. With him optimism was a creed. "Mirth is God's medicine," he declared. "Everybody

ought to bathe in it. Grim care, me

roseness, anxiety-all the rust of life-

ought to be scoured off by the oil of

Japanese English.

mirth."

At a recent exhibition of pictures in Tokyo, Japan, the following notice was posted: "No visitor who is mad or intoxicated is allowed to enter in, if any person found in shall be claimed to retire. No visitor is allowed to carry in in flats." "The small children, I with himself any parcel, umbrella stick and the like kind, except his purse. and is strictly forbidden to take within himself dog or the same kind of beasts. Visitor is requested to take

MEXICAN DRAWN WORK.

The Women Who Make It According to Peon Contract.

The woman who makes drawn work on a Mexican estate is not an independent worker to whom comes the money for all the work her deft hands accom plish. She is a woman whose father or brother or uncle or mother is in debi to the "great don." She can do the drawn work, so the don's agent supplies her with linen or lawn, a frame and the requisite implements and in dicates the design that she is to fol low, for, though you may not know it there are fashions in drawn work quite as exclusive and quite as popular as there are in women's hats, for instance When her work is done that poor woman cannot fare forth to market and offer it for sale. It is by the term of her peon contract perhaps already sole to the "great don," whose tenant she is. Miguel, his agent, takes the work by now as grimy as the overalls of an engineer. He has kept account of the time the woman has been engaged upon it, and for each of the many days she may have worked he gives her 7. 8, 9, at most 12 cents, but never the last amount unless she be a thorough mistress of her craft.

Once a year the Mexicans for whon the women do this work, somewhat as the sweatshop tollers of Chicago and New York drive their needles for master, meet in solemn conference and determine what the prices shall be. So great is the popularity of drawn work generally that the supply never equals the demand, and the profits made by the Mexican masters of the drawn work trust, for it is really that, are enormous. The dealer pays these "operators" what they demand, and they demand much. Therefore the buye pays \$40 for a "cloth" that costs the "manufacturer" 12 cents a day, labor hire, for, say, ninety days, to produce.

WEDDED TO A VASE. Singular Marriage Ceremony That Was Witnessed In China.

One of the most extraordinary of

Chinese customs to western minds is the not infrequent practice of marry-

ing celebrated widows to native vases An American traveler witnessed such a ceremony, which was performed with great pomp. The widow was of high station. When the news of her hus band's death reached her she was in consolable and wished to enter th state of widowhood, but her father demurred. Somebody suggested that an other husband might be forthcoming. and, as may readily be surmised, at this stage of the proceedings the woman was in despair. A wise teacher of the Confucian philosophy was consult ed, and he recalled to mind the ancient ceremony of marriage to a flower vase It was a rite of great antiquity, legend attributing its origin to an empress who ruled before the Christian era. It was decided that the woman might "marry the red vase." It was necessary, however, to procure the imperial sanction. This the great wealth of her father obtained, and on May 1 the

wedding was solemnized. In the procession the vase was car ried under a silken canopy on a palar quin borne by youths of noble birth while the bride followed in another palanquin guarded by twelve maidens with you, with the earnest wish that and twelve matrons. A military guard and a civic escort made up the parade Her bridegroom, the vase, is a speci men of great value and antiquity; in deed it is said to excel in delicacy of ornamentation anything of its kind i

the Flowery Kingdom. FORMIDABLE GUNS.

The Bombards Used by the Turks I the Fifteenth Century.

In 1478 Mohammed II. in forming the siege of Scutari, in Albania, employed fourteen heavy bombards, the lightest of which threw a stone shot of 370 pounds weight, two sent shots of 500 pounds, one of 750 pounds, two of 850 pounds, one of 1,200 pounds, five When the fire box has been lined with of 1,500 and one of the enormous weight of 1,640 pounds, enormous even wood it is drenched with oil, and the In these days, for our 80 ton guns throw only a 1,700 pound projectile and the 110 ton throws an 1,800 pound shot with a high velocity.

The stone shot of Mohammed's guns varied between twenty and thirheight of a dining table, 2,534 of them cording to a calculation of General Lefroy's, about 1,000 tons, and were cut out of the solid rock on the spot. the locomotive being moved under its Rhodes in 1480 Mohammed caused sixteen basilisks or double cannon to be cast on the spot, throwing balls two to three feet in diameter.-Chambers' Journal.

BLOWING OUT A CANDLE.

The Effect a Puff of Breath Has the Flame. A burning candle is a gas manufac

tory on a small scale. The wax or tallow is converted by the heat of the flame into gas, and in that form enters into chemical combination with the oxygen of the surrounding air.

This chemical union causes a very high rise in temperature in the elements concerned. In fact, it produces what we know as flame of fire, which is simply the white hot molecules of carbon and oxygen. The gas making process is started by the match in lighting the candle and is afterward continued by the flame itself.

Our breath acts in three way: (1) It carries away the particles of gas bodily. (2) It lowers their temperature at the same time, so that they are no longer capable of entering into chemical union with the oxygen. (3) The breath contains carbonic acid gas, which is incapable of supporting combustion and so helps to extinguish the flame.

By Constant Use.

"Yes, she's a woman of few words." "And, mercy, how frayed she keeps them looking!"-Cleveland Plain Deal

Love is only a woman's device for wasting time-J. M. Barrie.

A SEASON'S PLEASURE

It Cost One Woman In Peace

of Mind and Comfort. Mary Makepeace sat down in her favorite chair in her own room and threw her head back, with a long sigh. some peace, not to mention pleasure." "My dear!" said her mother reproach-

welcome guest."

"My dear!" said her mother again. "Think how kind everybody has been

to you." "They meant to be-they were kind," right kind of after feeling.

"Let me tell you, mother," Mary continued. "At the Fosters' I changed my hours for rising, for retiring and for eating my meals. At the Lanes' I changed father's politics-for of course haven't any of my own-to please Mr. Lane, and I had all I could do to keep from changing my religion to please Mrs. Lane. "At the Jenkins' I changed all my

views about what constitutes diversion to suit the family in gener. 1. At the Pages' I entirely changed my point of view concerning music and books. And that it's the display of goods that's to please them. "I ate cheese, which I abbor, and

gave up fruit, which I like, at the Fisks'. I slept with closed windows at Great-aunt Maria's because she is afraid of a breath of air, and I drank twenty-one pints of hot water the four days I was at Cousin Thomas' to 'flush my system. "No." said Mary in a firm voice. "I

pay no more visits for months to come. Home keeing youth may have homely wits, but if I to about much more 1 shall not have any wits at all."-Youth's Companion.

TRUSTING TO FATE.

An Incident That Gives an Insight Into Russian Character.

A few years ago I was taking country walk in Kovno. The road lay through a dense forest, and the day was oppressively hot. I arrived at last at a crossroad and sat down under the shade of the trees to rest. A signpos pointed its two arms down the converging roads. On one of them was in scribed "14 versts to Janova," on the other "17 versts to Shadowa." Presently the creaking of wheels and the slow "clop, clop" of a horse's hoofs on the road behind roused me. A cart piled high with tinware was coming down the road, with the driver perched on the top of the load.

"Good day, brother," I called out as the cart, with its sorry horse, came abreast of me. The man returned my salute, and the horse, glad of any excuse to rest his weary legs, came to a standstill in the middle of the road.

"Which way are you going?" I asked. "To Janova. There is a market there tomorrow."

"But there is also a market in Shadows." I answered, "and it is a important place than Japova." "So it is, so it is," the driver replied

with perfect indifference. "What have you for sale?" "Plenty of good tinware, as you can

see, brother. I have worked for six weeks to make this cartload." "Well, good luck to you and your tinware," I said, pulling and eating the berries within reach. "Will you take it

to Janova or Shadowa?" The man picked up the bit of cord which served as reins and prepared to go on.

"I shall leave that to my horse," he answered callously. The lumbering wagon moved off and finally passed out of sight down the

FOR THE BACHELOR.

Janova road, which the horse had elect-

ed to take.—St. James' Gazette.

Advice That May Help His Course of Love to Run Smooth.

Agree with the girl's father in poli tics and the mother in religion. If you have a rival, keep an eye on him. If he is a widower, keep two

eyes on him. Don't put too much sweet stuff on paper. If you do you will hear it in after years when your wife has some espe cial purpose in inflicting upon you the severest punishment known to a mar

ried man. Go home at a reasonable hour in the evening. Don't wait until a girl has

If, on the occasion of your first call, the girl upon whom you have set your young affections looks like an iceberg

in her hour of freeze is uncertain. coy and hard to please. night in the house. Don't stretch if all in out of the cold.-Chicago Journal.

Whales on Their Holidays.

Professor Goldlob has been telling the Christiania Academy of Science the results of his investigations into the migrations of whales. These creatures hang about the coast of Norway and Finland until the spring is well advanced, and then they go away on their travels. Some go to the Azores, others to Bermuda and the Antilles. and they cover these enormous distances in an incredibly short time. Some of them bring back harpoons which bear the names of ships and other evidences of where thee migrants have been for their summer holMASCULINE VANITY.

Men Who Stop to Admire Themesives In Show Windows.

"Speaking of the trifling affairs of life," said a clerk in one of the big stores, "I'm not so sure that men are "No words can tell how glad I am so much when you come to compare that I've made my last visit for the them with women, although they presummer," she said. "Now I shall have tend to rise superior on occasions. I've a notion that human nature is about the same in both sexes, after all, and it crops up in some way. You know "I mean it," returned Mary. "Of there's a theory that a woman couldn't course I like change of scene, but I pass a mirror without giving a glance am tired of adapting my whole life to at herself if she were on her way to others, as I am expected to do as a rescue her only child from a burning accident. "It may not always be vanity, of

course. Perhaps it's force of habit. Well, you'd be surprised at the num ber of men who have that same habit. Mary said wearily, "yet I feel as if I I'm here at a counter in front, where I had barely escaped with my life, and can see some things, and it's better you will admit that is not just the than a poor play to watch the faces at that big show window. They are men's faces I'm talking about. The light strikes that window so that it makes a pretty good looking glass of it, and I'm truthful when I tell you that it holds up as many hes as it does shes in the course of a day. The only difference is that the woman makes no bones of what she's doing. She'll give a twirl to her front hair and a pull to her veil and make sure that her hat and nose are on straight, and she to her game or not. that it's the display of goods that's at the Nevins', where I was ill, I caught him. Yes, it is, I guess not changed my doctor and took stuff yard and in silks cheap at 76 cents, he is. You can tell from where I stand that he doesn't see a thing that's in that window except his own beautiful reflection. He'll study the effect of his scarf and his gloves, and then he'll look lower down, where there are no goods, and step out a little to get the cut of his trousers and shoes. And very often he'll put on that 'look pleasant' expression the photographer asks you to wear that makes a driveling idiot of you in the picture. There is no great harm in it provided the men are in no great hurry and have nothing better to do, but when I hear them loftily discussing mirrors in connection with their wives I have to smile to myself."-Providence Journal.

THE FLAMINGO AT HOME.

Observation Has Proved That Both

Male and Female Incubate. Apparently two factors enter into the flamingoes' type of architecture-they must build where there is mud and at the same time erect a structure high enough to protect its contents from any normal rise in the water due to tides or rainfall.

After watching a nesting colony of flamingoes in the Bahamas for "nearly an hour" at a distance of 150 yards Sir Henry Blake stated that the females sat upon the nests, while the males stood up together, evidently near by. My dissections, however, showed that both sexes incubate, while continued observation from the tent revealed the presence of only one bird of the pair in the rookery at the same time The bird on the nest was relieved late in the afternoon and early in the morning. The one, therefore, which incubated during the day fed at night, and his or her place was taken by another which had been feeding during the day, or, as Peter put it, "I do t'ink, sir, dat when de lady fillymingo leave de nest den de gen'leman fillymingo

take her place, sir; yes, sir." Morning and evening, then, there was much activity in the rookery. Single girds or files of as many as fifty were almost constantly arriving and departing, coming from and radiating to every point of the compass.

Flamingoes in flight resemble no other bird known to me. With legs and neck fully outstretched and the comparatively small wings set halfway be tween bill and toes, they look as if they might fly backward or forward with equal ease. They progress more rapidly than a heron and when hurried fly with a singular serpentine motion of the neck and body, as if they were crawling in the air.-Century.

LIFE INSURANCE.

Get Fully Acquainted With the

Terms of Your Policy. "What the average purchaser of life insurance doesn't know about the thing he is purchasing would fill a good sized book printed with very narrow margins," says an insurance expert. For instance, I talked not long since with a man who fancied he was insured for \$10,006 on the fifteen year endowment plan. That is, he thought he had to make payments for fifteen years-which was true-and that at the end of that time he could get \$10,to throw her whole soul into a yawn | 000 in cash or take a part in cash and that she can't cover with both hands. a part in paid up insurance, which, as A little thing like that might cause a it turned out, was not true. The rate coolness at the very beginning of the he was paying was so very low for what he said he was getting that I asked to see his policy, and when I looked at it I found, just as he might have found on a brief examination, and acts like a cold wave, take your that while he was insured for life, with leave early and stay away. Woman only fifteen yearly payments, he could not get the \$10,000 or any part of it for a good many years more. No in-In cold weather finish saying good surance company in the world will permit the fooling of a patron like this the way to the gate and thus lay the if it can help it, and yet to attribute foundation for future asthma, bron- such a mistaken idea to fraudulent chitis, neuralgia and chronic catarrh misrepresentation on the part of an to help you to worry the girl after she unworthy agent would not always be has married. Don't lie about your fair. Many men who take insurance, financial condition. It is very annoy- and especially those who do not decide ing to a bride who has pictured a life to go in until they have looked at it a of ease in her ancestral halls to learn long time, go in finally with a rush. too late that you expect her to ask a They don't give the agent time to tell baldheaded old parent who has been them what they are getting, and often uniformly kind to her to take you both | don't find out for years afterward. Another thing that many insured persons do not know is that a rebate on the first payment, arranged between the insured and the agent, sometimes renders the whole transaction invalid." -Philadelphia Record.

Perfectly Congenial.

Naggsby-When a man and his wife think the same thoughts simultaneous ly it is a sign that they are exceedingly congenial. Waggsby-So? Well, then, my wife and I are congenial all right. for the other night when she said that she wondered why I'd ever been such a fool as to marry her I had been sitting there in ellerce for half an hour wondering over the same identical thing .-Baltimore American.