There are probably seventy-five es-

imated as follows: Western Wheel

Works, 70,000 (five grades); Feather-

stone, 60,000 (five grades); Monarch, 40,-

000 (four grades); the Fowler, 30,000

(high grades only); Rambler, 30,000

(high grades); Imperial, 25,000 (high

grades); Kenwood, 20,000; Thistle, 15,-

000 (nigh grades); Adams & Westlake,

10,000 (high grades), St. Nicholas Mfg.

Co., 40,000 (four grades); Windsor, 7,-

000: Davidson, 6,000 (high grades); Czar

and Czarina, 5,000; World, 7,000; Shirk,

5,000; March, 3,000; America, 5,000; Na-

poleon and Josephine, 4,000; Standard,

2,500; Eldorado, 2,500; Iroqueis, 1,200.

tories of high-grade wheels on Wash-

ington boulevard may indicate to some

extent the new and heavy mechanical

appliances used in making the modern

bike a thing of finished beauty and

strength. Just where to begin inspec-

tion and get at the start of the wheel

All parts of the wheel are made in

this factory except the wooden rims

and rubber tires. First observe the

new automatic screw machines. They

are expensive and complicated ma-

chines, cutting from solid bar tool steel

the cones and cups used in the bearings.

The latest and heaviest bit of machin-

ery is the automatic sprocket cutter.

A string of thirty-five circular pieces

of drop-forge steel, seven inches in

diameter, will have their heavy dentis-

try or teeth cut every time this ma-

chine "does a turn." This used to be

a very slow and laborious work, con-

stantly requiring the care of an at-

tendant. The new automatic machine

does six times the work of the old

The great reduction of weight in

modern wheels has been attained

through the new method of making

frames. Instead of using small bars

of solid steel light, tough, weldless steel

tubing is employed. Again, in making

the joints there is an economy in

weight; instead of heavy, old-fashioned

castings the joints are now brazed one

piece into the other beneath the heat of

a blow-pipe, with spelter and borax.

Vibrations always begin in the weakest

is a ticklish task.

A trip through one of the largest fac-



PATRIOTIC : DOROTHEA.

"I knew it was you, you dear old

"I want to see Lieutenant Farden,"

"He has gone out to dinner," replied

But Dorothea had been making her

Priscilla looked at her with surprise.

"No. it is upstairs. Dorothea, you

"I can't tell you," said Dorothea,

Priscilla was too much astonished to

speak, so she led the way upstairs with-

showered powder upon it. And then

Priscilla, "you are perfectly superb.

"No." said the young soldier, with a

When Dorothea arrived at Joseph

mehered Priscilla's remark that her

desperately went up the steps and

"Tell Mr. Warren that I would like

to speak with him," said Dorothea,

majestically, and the servant vanished

"Mr. Warren says will you please step

Poor Dorothea! What pen can de

scribe her sensations at being sudden-

ly conducted into a large room with

twenty gentlemen, some drinking wine,

and all looking at her. She knew al-

most every one by sight, and many of

"Well?" said Warren, inquiringly.

"I would like to see you alone," she

"Speak out. We are all friends here,"

So the girl spoke. "The British are

going to Concord to capture our stores.

I don't know when, but they are go-

A torrent of questions poured out up

on her, in the midst of which she mad-

her escape. The result of her work

was soon evident. The Americans be-

gan removing their stores, and the bat

tle of Lexington was fought on April

If John Farden recognized Dorother

in her disguise, he kept his own coun-

sel. After the war was over and he

had a wife of his own he said to her

soldler who came to us one night a

"Dorothea, do you remember that

And sweet Mistress Farden looked up

and then down, turning red and then

"O John! Who told you?"-New York

An Extenuating Circumstance.

District Court, is also the proprietor of

a stock ranck in Medina County. He

"Are you aware of any circumstance

that entitles you to consideration at my

"The horse I stole didn't belong to

you. I think you ought to take that

into consideration and let me down

The patience a woman has with her

children is sometimes learned in her

The mills of the gods, which grind

o slow, would grind fast enough if

"Yes, your honor, I am."

Judge Noonan, of the San Antonio

very much impressed.

into the dining-room?"

replied, grandly.

said John Farden.

Joseph Warren's?"

Mail and Express.

hands?

"What is it?"

easy."-Texas Siftings.

efforts to land a busband.

white, and murmured:

19, 1775.

"Has John worn his uniform?"

LONG, dark hall. The portraits | saw, to her great delight, a light in of two old persons that frowned Priscilla's room. She flung a pebble A down from the walls as though against the window and waited. A resenting the modern innovations be- shadow crossed the white curtain, and low; a soft, thick carpet under foot, so a short interval passed, during which old that its colors had all faded to a Dorothea danced with impatience. dull, uniform red; a low window with | Then the front door opened silently and tiny, diamond-shaped panes, letting in a girl rushed out. more gloom than light; a small, ironbound chest in a dark corner; heavy, thing," she cried, as she kissed our smothering hangings—these were the heroine. "What does possess you to belongings of this long, dark hall. come here at this time of night?"

A door opened softly, and a modern innovation entered in the shape of a said Dorothea, quietly girl about sixteen years old. A soft light seemed to dispel the gloom. It Priscilla, with kindly impetuosity. could not have been her dress that "Come in and see me, there's a dear, was dark gray. Her brown hair curied He will be back in an hour or two." waywardly around a sweet, roguishlooking face. Her straight eyebrows blans; she must disguise herself and go were drawn down into a dark frown. to see Joseph Warren. She seemed rather ashamed of want she was going to do.

She moved toward a door, hesitated a moment, and, bending her head, aren't going to dressing? What for? looked in at the keyhole. She sees a Oh, do tell me! Where are you going?" library with books, and more books piled up to the ceiling. At a table sits calmly. "It is a secret. Yes, I will an old man, energetically pointing out | dress up in John's uniform." some spot on a map before him to another man who is bending over it.

"You have two courses before you," out a word. Stiently she laid the unisald Master Hathaway. "You may go form out upon the bed. Silently she to Concord, capture our stores, con- tied her friend's hair as a queue and found us we are bright men, but a little setback like that takes the wit out her admiration broke out as Dorothea of our heads-then, while we are in stood before the glass outlining a shaddire confusion, you can fall upon us owy mustache upon her pretty lips with and win the day. Or you can act like burnt cork. gentlemen, and fight us face to face like "Dorothen Hathaway!" exclaimed men. Take your choice."

"I will see what General Gage says," Won't you tell ue where you are goreturned the visitor. "By night, of ing?"

"You ass," returned Master Hath- stiff bow, "Good-night, Mistress Faraway, contemptuously, "I should like | den." to see you get out of Boston without a row by daylight?" and he began rolling Warren's house, she was horrified at

Miss Dorothea promptly fled to her own room and locked herself in.

"What shall I do?" she asked of the pretty maiden she saw in the mirror. he had come here, for Warren was his 'Are you going to stand up and scream. best friend! Why didn't she write him? 'My Uncle Gaspar is a British spy?' Why didn't she with ordinary sense Well, my dear, that is all the sense I leave a letter for him with Priscilla? gave you credit for. What would Priscilla say? Why need I say anything about Uncle Gaspar? Why can't knocked. The door was thrown open I go and tell John Farden to tell and a servant appeared. Joseph Warren? Ah! I've got it now," and she proceeded to act upon it.

First, she opened her door. Then she drew down the curtains. Then she grouned. Then tossed from side to side and grouned again.

"Dorothea," said a quiet voice at the door, "is thee in pain?"

A groan.

Master Hathaway came in and laid his cool hand on his niece's forehead. "Poor child," he said, tenderly; "thee has one of thy headaches. I will go them intimately. away and let thee sleep," and he went away, closing the door softly after

No sooner had his soft step died away than Dorothea sprang off the bed, slipped off her shoes and shot the bolt in the door. She listened and then pulled up her curtains and looked out. It was toward dusk and in a quarter ing." of an hour she could leave the house in safety to see John Farden.

Dorothea's bosom friend was a redhot rebel who had inspired Dorothea with a love for everything that was not British. As Master Hathaway never expressed an opinion upon the war, his nlece supposed he was neutral, or too much engrossed in his beloved library to trouble himself concerning it. But Hannah, her old nurse and Master Hathaway's housekeeper, had confided one day; to our heroine that the gentleman upstairs was a Briton. Dorothea had indignantly denied it and gone to see.

When it was sufficiently dark, Mistress Hathaway opened her window and looked out. A large cherry-tree grew close by it, and often had she climbed up and down with Priscilla. She could descend with her eyes shut, she knew, yet a feeling of some sort deterred her. She felt that she was betraying her uncle, and the thought was odlous. But she strengthened her mind with the remembrance of other was recently called on in his official ca-Hathaways, dead and gone, who had pacity to pronounce sentence on a horse sacrificed their homes and everything thief. Said the judge blandly: they held dear to their king, who afterward hung them for treason.

This seemed to give her great courage, for she sat upon the window-sill with her feet outside, selzed hold of a branch with both hands, gave a little spring, and immediately she was standing in a crotch of the tree. Getting down was an easy matter, and she was on the ground in a twinkling, and off at a run for Priscilla Farden's. She would see John Farden in the garden and tell him that she had heard that the British were coming to seize the

As she slowly skirted the house, she | they were run by wind mills.

OPIUM IN INDIA.

Ravages of the Drug in the City of

There is a fierce dispute going on just now as to the relative merits or demerits of oplum, says the New York Times. Many eminent men in the scientific world openly declare that opium is a blessing. The government experts in the country where it grows go so far as to say that opium is a blessing instead of a curse to the natives. However, the vast majority of mankind will long be of the undivided opinion that opium is the most all-crushing curse that afflicts man. The enthusiasts, or, rather, extremists, of the international anti-opium society picture the condition of India under the ban of opium in the most dreadful manner possible. According to one of these men, all of the 600,000,000 of human beings in Asia are exposed to the evils of the opium trade as legalized by the British Government. In order to derive a revenue from it the Indian Government issues licenses for the sale and consumption of this poisonous drug in vile places in all large cities, like Calcutta, Bombay, Madras, Lucknow, and dignity might appear opposed to be- fraction over twenty-two pounds; Manimain, and in all towns and villages of India and Burmah. These licenses are not issued for the purpose of limiting the sale of something that can not be prohibited, but they are issued with the requirement that the holder of the license must sell a stipulated quantity or pay a forfeit! The more sold the more revenue the English crown will receive. As the opium is bought from the government agents, of course it is known how much the holder of the license sells. A member of Parliament who was most bitterly opposed to this traffic her been traveling through India gathering facts and seeing for himself what the condition of the natives is under an unrestricted use of opium.

One of the opium dens of Lucknow is graphically described. There is no secrecy about selling or purchasing the drug; it is handled as would be sugar, flour, or the other necessities of life. Entering with the customers, you will find yourself in a spacious but very dirty court yard, around which are ranged fifteen or twenty small rooms. This is the establishment of the government collector-the opium farmer. The stench is sickening, and the swarm of files intolerable. Enter one of the small rooms. It has no windows and beholding it brillantly lighted. She rebrother had gone out to dine. Oh, what an idiot she had been not to know that ings-men and women-lying on the attained a popularity more quickly or flood of ignorance and misinformation of the inert man or woman who happens to lie near him. In no groggery. in no lunatic or idiot asylum, will one see such utter helpless depravity as appears in the countenances of those in the preliminary stages of opium drunkenness. Here one may see some handsome young married woman, 19 or 20 years of age, sprawling over the senseless bodies of men. Here is a much younger girl sitting among a group of newly arrived customers singing lewd songs as they hand around the pipes. At night these dens are all crowded to excess, and it is estimated that there are some 14,000 people in Lucknow ab-

lect slaves of this hideous vice. There are those, however, who have radically different opinions on the oplum question. The use of the drug in America or Europe under vastly different climatic conditions has nothing in common with the use of it in its native land. The Bishop of Calcutta, on being asked for an opinion on this subject, said among other things that while admitting that there are evils arising from the use of opium, we are of the opinion that they are not sufficiently great to justify us in restricting the liberty which all men should be permitted to exercise in such matters. Medical testimony seems to show that opium used in moderation is in this country harmless, and, under certain conditions of life, distinctly beneficial. One distinguished native, a high official of the Indian museum, was rather sarcastic when asked his opinion on this subject. He said that the opium habit was much preferable to the alco-

holism of America and Europe, and recommended the introduction of the drug as a substitute for alcohol. European Police Officers.

London police sergeants or roundsmen are paid from \$8.50 to \$12 a week and constables or patrolmen from \$6 to \$8. In Dublin the wages are half a dollar less. In Glasgow the highest pay for a constable is \$6.75, for a sergeant \$8; an inspector gets \$700 a year, and a superintendent from \$1,200 to \$1,500. The St. Petersburg chief of police draws \$2,500 a year, a sergeant from \$300 to \$400, and a patrolman from \$150 to \$220 a year. Paris pays \$5.25 to \$6.50 to patrolmen (agents) and \$7 to roundsmen. Patrolmen get from \$225 to \$260 a year at Vienna, from \$230 to \$300 at Amsterdam, from \$200 to 320 at Brussels, where detectives may rise to \$480. The Turkish policemen get \$3 a weak and the native policemen of Calcutta from \$4 to \$4.50 a month.

Some people spend so much time telling what they intend to do that they have no time left to do anything

BICYCLE INDUSTRY.

Use of the Wheel Is Not a Fad -It Has Come to Stay, and Its Admirers Number Millions-Some Statistics.

as absorbing as the

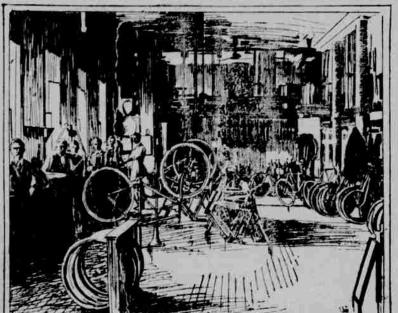
on the new departure and device as sen- eighteen pounds, road wheels from sible and invigorating ideas that have twenty-three to twenty-eight pounds, come to remain. Business men, whose and women's wheels will average a striding the bicycle, and staid old gen- heretofore they have been twenty-six tlemen, who declared their equestrian pounds and upward. days were to remain things of blessed

THE SILENT STEED. eyeles remaining limited and in great formerly done by hand; but they are very expensive, and have been hard to demand. The total output of 1895 was over 500,000, of which one-lifth were obtain, in view of the enormous defor women; this year about one-half the mand by numerous factories that have ENORMOUS GROWTH OF THE bicycles will be designed for the fair established of late. sex. It is estimated that with wheels of all classes enlisted, ancient and mod- tablishments in Chicago that are makern, there will be nearly 2,500,000 ing from 200 to 500 wheels. The outcyclers in the United States this sum- puts of the largest factories may be es-

The League of American Wheelmen now numbers 41,000 members. The first ten States in order of their rep-Won Its Way to Popularity, resentation are: New York, Massa-HE bicycle has a chusetts, Pennsylvania, New Jersey, current call on at- Ohio Missouri, Illinois, Wisconsin, Caltention that is quite | Ifornia, and Connecticut.

The new model bicycles show many Presidential possi-inventions and improvements over the bility." Fair belies old wheels. The prominent feature of and buxon trons who once and one eighth inch being used trease over the three quarters and seven eneighths inch tubing of two years and buxom ma- the '96 wheel is the larger tubing, one and derided the ago, the points of advantages being a wheel have come stronger and lighter wheel. Racing to look with favor wheels will weigh from sixteen to

People are given to pondering over



THE ASSEMBLY ROOM.

is very dark, but in the center is a sman whirling wheel renewing their strength | think that they can be turned out as charcoal fire, the glow of which lights and youth. It would be difficult to re- readily as cheap watches, or old-fashup the faces of nine or ten human be- call anything in recent years that has loned sewing machines. There is a floor like pigs in a sty. A young girl more universally than the bicycle. Its on this point. There are bicycles for fans the fire, lights the opium pipe, and appeal extends to all classes and all sale this year that range in price from holds it to the mouth of the last comer localities; and aside from its advan- \$60 to \$85, but \$100 is the standard till his head falls heavily on the body tages as a common or uncommon car- price which high grade wheels comrier and a health-lift, it promises to become a powerful factor in creating at \$115; last year it was \$125. Keen sentiment in favor of and obtaining legislation that shall secure good roads



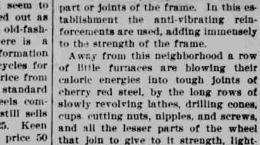
THE LONDON "HANSOM CYCLE," onsummation devoutly to be

lemand for bicycles has so far I the supply last season that lities to increase the output

memory, have been observed on the the price of the bicycle and seem to competition has reduced the price 50 per cent, what it was three years ago, while the expense of placing wheels on the market, it is said, has advanced in a much larger proportion.

An individual who had charge of an Exposition exhibit was recently accredited with the statement that there was a combination or trust controlling the price of bicycles, and that said trust would not expire until next October. This is all the talk of a mental speculator. There is no bicycle trust; competition is too keen, and the demand is too great to necessitate such a combination. The bicycle trust may come, but it has no existence now. As for that cheap wheel from flowery Japan, it is still a long distance away from reality. In a well-regulated standard bicycle the frame, front wheel, rear wheel, ultiplied rapidly, but it is front fork, sprocket wheel, crank shaft,

there are a variety of features, viz., hey cannot supply the current handle bars, seat-post, chains, mud . Advanced statistics state guard and pedals. This necessitates, pwards of 1,250,000 bicycles will all told, from 100 to 110 distinct parts, made in 1896. More conservative not counting spokes, chain links, or and accurate estimates indicate that parts of pedals, which brings the ag-





ness and stability. In the polishing and buffing department the whirr of many wheels makes music like the drone of angry bees, and sparks fly like tiny meteors as the bits of steel touch the emery wheels. Every small piece is carefully polished before it receives a coating of copper, which renders it impervious to rust. The plating vats remind one of a big laundry, save that there are no suds nor washboards, and an aroma of nitric acid fills the air Balls, nuts, sprockets, crank shafts, adjusting screws, clamps and handlebars are strung on wire like so many delicacies in a Chinese market, and suspended in the copper bath. After treatment in this solution all parts are nickel-plated, and ready for adjustment. Among other new mechanical devices are a series of special jigs, or testers, that make the forms exact in alignment. Then there are hardening furnaces of special design, in which metals have chemical treatment for toughening. The enameling furnaces are another important feature. It is claimed that the colored enamel will not crack, despite various tests put upon it. (Black enamel having a rubber base frequently does not stand the test of wear.) The wheel spokes are of needle wire and may be tied in a knot without destroying strength or elasticity. Every part is specially tested for strength and the strain it will bear before it is allowed to take its position in the bicycle.

The bicycle is giving a new impetus to mechanical industries, and has evidently come to stay.

Shoots for a Living.

Miss Winnie Simpson, of Garfield, Wash., makes quite a snug amount of pin money by shooting squirrels. She handles a gun to better effect than many of the men in that region, her average being thirty squirrels a day: She also distinguished herself lately by winning the first prizi in an oratorical contest open to both sexes.

Ha! Ha! Tommie-What is a tallor's goose

Pop-I suppose it is what he make



IN THE BRAZING DEPARTMENT.

the total output of bicycles this year gregate up to 1,000 parts. These parts will not exceed 800,000, and over one- are all of the finest tempered steel, a half of them will be made in Chicago. number of them tool-steel, and some of pop? Of this aggregate probably 70 per cent. them are hand-tooled. Machines have are cheap wheels; the high-grade bi- been devised to do much of the work | duck trousers on, -Yorkers Statesman,