SCIENTIFIC CIRCLES.

LATEST DEVELOPMENTS IN INDUSTRIAL FIELDS.

A Simple and Inexpensive Portable Fire Escape—An Optical Illusion—Another Water Bicycle—Notes of Progress in Many Lands.

A SIMPLE and inexpensive portable fire-escape, which may be packed in small compass to take but little room in a traveler's trunk or bag, is shown in the accompanying illustration. It consists of a clamp adapted to slide upon a rope, as shown in the small figure, the clamping or frictional pressure upon the rope being readily controlled by the person using the device.

The two hinged parts of the clamp are provided with registering half grooves adapted for convenient use on different sizes of rope, and the clamp is held in gripping position upon the rope by a threaded locking lever on the outer end of which is a finger wheel. At the top and bottom of the clamp are rings through which the rope passes, affording a slight frictional brake, and at the bottom is also a double hook to which may be attached body and shoulder straps to support one making use of the device in escaping from a building.

When the escape is permanently fixed in houses or factories, the rope is preferably attached to a hinged arm secured at the inside of the window casing. The device may also be secured to the window casing. When several persons are in one room the frictional pressure of the clamp may be controlled by one standing in the room to let down different individuals in turn, the looped end of the rope being then secured to the straps by which the person is suspended, and the rope sliding through the clamp. As one person reaches the ground, it is ready for another to descend.

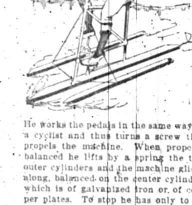
Each apparatus is tested to 1,000 pounds, and the whole device is designed to be so simple and safe in its mode of operation that there shall be no reasonable possibility of a person failing to make it work properly in an emergency. This apparatus may also be conveniently employed by painters, builders and electricians, and by all engaged in work necessitating their being suspended outside buildings.

Color Cells or Chromatophores.

The controversy, written and conversational, on the subject of the exact means by which the various colors in the animal world are produced is not in any way decreasing, even though with all their researches scientists have failed to satisfy either themselves or the public as to the precise origin and function of the cells in which are assigned color-giving properties. It is said that although the chromatophore is a cell whose essential function is one of color-giving, it seems that all color-giving cells are not necessarily chromatophores. Thus the cells of the sensory, respiratory and excretory tissues are pigmented, but their pigmentation is accidental, or, more strictly speaking, not essential. The cells that give the reddish hue to the tissue of the lips and nostrils are not chromatophores. Their primary function is not one of coloration, but that of the chromatophore is. The cause of color in the plumage of birds and in the coats of animals of various sorts has long been the subject of discussion among scientists, and even with all of our facilities for investigation we are quite far from having arrived at the true solution of this one of the entertaining mysteries of nature.

Another Water Bicycle.

The Edinburgh Scotsman says: The very latest cycle idea is the water bicycle shown in our sketch. It differs entirely from any of its predecessors in that it really has to be balanced on the water in the same way as a bicicle is on land. It consists of three hollow cylinders, with pointed, cigarshaped ends, the two outer ones being made of some light, strong material, either papier mache or aluminium. When the rider mounts all three rest on the water side by side and keep him steady.



He works the pedals in the same way as a cyclist and thus turns a screw that propels the machine. When properly balanced he lifts by a spring the two outer cylinders and the machine glides along, balanced on the center cylinder, which is of galvanized iron or of copper plates. To stop he has only to let down the side cylinders on to the water, and to turn crossways a blade below the center cylinder, which offers sufficient resistance to pull him up. There is a steering gear; and the inventor is quite satisfied with its performances; which, we presume, has been confined to smooth water.

A Removable Barrel Head.

A sectional and removable barrel head has been patented by Hiram M. Dillinger, of Paradise, Pa. To open a barrel or keg having this head all that is necessary is to draw one screw which releases the central wedge section, which opens a space sufficient to allow the two sides or half-heads to be moved laterally out of the chines and lifted out. The head can be easily removed to examine the contents of the barrel, and as easily replaced an indefinite number of times, thus removing a large item of expense in the re-use of the package.

Curious Photographic Experiment.

A curious experiment in photography was recently made in England. A man was made to look steadily at a postage stamp on a black card for a minute; the room was then darkened, a sensitive photographic plate put in place of the card, and the man looked at it steadily for twenty minutes. The plate was developed and showed two distinct images of the stamp. Ingles Rogers, one of the three witnesses of this feat, is unable to decide whether the photograph is one of the image projected on the man's retina or whether it is a case of thought transference.

Gigantic Electric Light.

An electric light of 2,500,000 candle power will soon shed its warning rays from the top of Barnegat lighthouse, on the New Jersey coast. It will be the strongest light of any seacoast in the world. It was exhibited at the World's Fair at Chicago, and was purchased by the government. The present light is 165 feet above the level of the sea, and can be seen, under ordinary circumstances, nineteen nautical miles. The new light will, it is expected, be seen not only a great deal further, but, by reason of its great strength, will be able to penetrate haze and fogs, and thus warn mariners that they are approaching a dangerous coast.

Silvering Mirrors.

A curious method of silvering mirrors has recently been patented by Mr. Hans Boas of Kiel, says London Engineering. It is based on the fact that when one of the heavy metals forms the cathode of a vacuum tube, containing a trace of hydrogen, this metal is volatized by the current, and is deposited as a firmly adherent and highly polished layer on the walls of the tube. The mirror thus produced is of much greater brilliancy than is obtained by the more orthodox methods.

Human Hair's Growth.

Authorities differ as to the rate of growth of the human hair, and it is said to be very dissimilar in different individuals. The most usually accepted calculation gives six and a half inches per annum. A man's hair, allowed to grow to its extreme length, rarely exceeds twelve or fourteen inches, while that of a woman will grow in rare instances to seventy or seventy-five inches, though the average does not exceed twenty-five or thirty inches.

An Optical Illusion.

To see the spot touched, hold this drawing straight in front of you, gradually bringing it nearer, until the nose is close to the star at foot.

Rubber Shoe Soles for Soldiers.

The war department is experimenting with rubber heels for shoes. And the tests made by the troops at Fort Leavenworth indicate that the new heels lessen the jar to the body in marching, and thus add comfort to the wearer. If they are good for soldiers why not for civilians who have much walking to do?

A New Glue.

According to a German authority, a new and excellent glue is made by dissolving gelatine in a solution of chloral hydrate in water. For general purposes ordinary glue may be used instead of the more expensive gelatine. This cement is said to dry quickly, to have great adhesiveness and to remain unchanged indefinitely.

Notes.

The first private carriage lighted by electricity was that of the lord mayor of London twelve years ago.

One of the most interesting things to be seen at Atlanta, Ga., outside of the exhibition is a house constructed entirely of paper, from foundation to chimney.

A large cave with many interesting geological features, was discovered by prospectors near Big Meadow, Ore., a few days ago. The men explored the cave for a distance of about four miles.

It is proposed to utilize the motive power of the Nile cataracts by establishing electric stations at the falls and transmitting the power to Cairo.

A feature of the Tennessee Centennial exposition, which will open Sept. 1, 1896, will be a steel tower 300 feet high, with a great revolving crown of incandescent lights on top.

What are claimed to be the largest fire engines in the world are the two built recently in London. One is capable of throwing 1,400, the other 1,800 to 2,000 gallons of water per minute. The machines weigh three and one-half tons each, and can be readily drawn at full gallop by four horses.

It is said that 300,000 cubic feet of water plunge 150 feet downward over the Niagara escarpment every second, thus wasting 10,000,000 horse power of energy to the second.

Wearing Bloomers.

A bicycle club of girls are anxious to know if bloomers are to be worn next season, and if they are approved by the best authorities. Answer—It is very evident, girls, that you are not regular readers, else you would have been rooted and grounded, as it were, in the latest ideas on bloomers. It is perfectly safe to say that the time is not far distant when women will find their cheeks getting red when they recall the spectacle they have made of themselves by going out wheeling in bloomers. They are merely a craze, and one that is without sense or reason. Thousands of women have never worn them, and for this they will probably be very thankful. As to the authorities that approve of them, that is a matter of opinion. Many very excellent women wear them, but that proves nothing. The bloomer fad is dying out, and a not very lingering death either. Wear moderately short skirts and gaiters, girls, and let bloomers severely alone. One of the best styles is a skirt just to the instep in front and almost touching the ground at the back. When you mount, see that the back seam of the skirt comes exactly over the middle of the saddle. This prevents showing the ankles at the back, and gives a much more graceful and stylish effect than a very short skirt. It is safe and comfortable and becoming, and this cannot be said of all costumes.—New York Ledger.

A Pair of Moans.

They sat together by the sea,
A brave young groom and bride,
And listened long and lovingly
To the moaning of the tide.

Just six months later, when they sat
At home and sadly sighed,
The neighbors in the next-door flat
Heard the moaning of the tied.

Prepared.

Mrs. Hobb—"My husband came home last night and told me he was ruined. Do you know, I think I must have had a premonition of it?"

Mrs. Nobb—"Why?"

Mrs. Hobb—"It was only last week that I ordered a complete new wardrobe."

Unimportant.

Clara—"He asked me to go to the theater to-night and I am in a terrible dilemma to decide what to wear."

Maude—"Is that so? What are you going to see?"

Clara—"I didn't inquire."

UNTOLD MISERY FROM RHEUMATISM

C. H. King, Water Valley, Miss., cured by

Ayer's Sarsaparilla

"For five years, I suffered untold misery from muscular rheumatism. I tried every known remedy, consulted the best physicians, visited Hot Springs, Ark., three times, spending $1000 there, besides doctors' bills, but could obtain only temporary relief. My flesh was wasted away so that I weighed only ninety-three pounds; my left arm and leg were drawn out of shape, the muscles

being twisted up in knots. I was unable to dress myself, except with assistance, and could only hobble about by using a cane. I had no appetite, and was assured, by the doctors, that I could not live. The pains, at times, were so awful, that I could procure relief only by means of hypodermic injections of morphine. I had my limbs bandaged in clay, in sulphur, in poultices; but these gave only temporary relief. After trying everything, and suffering the most awful tortures, I began to take Ayer's Sarsaparilla. Inside of two months, I was able to walk without a cane. In three months, my limbs began to strengthen, and in the course of a year, I was cured. My weight has increased to 165 pounds, and I am now able to do a full day's work as a railroad blacksmith."

AYER'S

The Only World's Fair Sarsaparilla.

AYER'S PILLS cure Headache.

WANTED:
A Bright Boy or Girl

In this and every town in the vicinity where there is not already an agent, to sell the New York Ledger, America's Greatest Story Paper, by the week, and act as agent; making 2 cents on every copy sold. No charge being made for unsold copies. No Possible Risk. For full particulars call at the office of this paper. tf

A SLEEPING POWER.

Is It Telepathy, Instinct or What?—Ought to Be Cultivated.

Within us is a power sleeping. Once in awhile some sensitive soul has felt it stir, but there was no known law that governed it, no logic with which to convince others of its being; so it was buried deep in the inner consciousness where hide ideas that dare not seek light because they are in advance of their age, says the New Science Review. Long ago, at the house of a friend, I saw a photograph of a man's head. As I picked it up there came over me a sense of having known the original; it was the face of a "friend." When my hostess entered I asked about the photograph and she told me who it was. The name meant nothing to me but the face meant all things that I knew. Several times in the next week I looked at the photograph, always with the same sense of "having known." Then eight years elapsed, during which no memory of that face came over me. One day at the theater there flashed over me that same curious sense of "having known." Instinctively I turned and caught full the glance of the original of the photograph. What he was doing there I have never found out. Several miles away from me lived a friend. Days would elapse without out meeting but if I sat down and wrote her a note she would come, always crossing the note. I became so certain about it after awhile that I would write the note and tear it up. The thought would stir in her the desire to see me. There was no use in mailing it. The sight of a certain handwriting would always make my heart sink; it was something that I could not reason myself out of, yet the letters were pleasing and the words fair. One dark day I found out that my instinct was right—I trust it now.

The Hot-Weather Cure for Paralysis.

The liveliest passenger on board the steamship City of Pekin was Humphrey Kendrick of Los Angeles. He had just returned from Japan, a country that he loves because a few years ago it completely cured him of paralysis.

When Kendrick found that he had lost control of his limbs he determined to spend all the money he had to get relief. It was easy enough to tell what had brought the paralysis upon him; for the first stroke came soon after he had a bad tumble on horseback. The animal fell in such a way as to catch Kendrick squarely beneath it, severely wrenching and spraining his spine.

Kendrick found that he was much better in hot weather and this led him to go to the Hawaiian Islands. He was so much better there when it was hot that he concluded to go to a still warmer place. Somebody told him that the south coast of Japan in summer was the place.

For many months during the hottest of hot summers Kendrick engaged in a most unique attempt to regain his health. For days at a time he would lie positively stripped to the skin in the hot sand.—San Francisco Chronicle.

Identifies Himself.

Statistics of nomenclature would be interesting. John Smith, a traveling man from New York, who was at the Riggs house recently, states that one person out of each 100 bears the same name as himself. This used to be a source of great annoyance to him but he has proved equal to the emergency by inventing a new and attractive mode of identification through the medium of photography. He buys photographs the size of a postage stamp in large lots, reducing their cost to a mere trifle. These he places on his business cards and leaves with his correspondents with instructions to stamp on all envelopes. The photograph is placed in the center of the envelope and his name below it. When he calls for mail he presents a duplicate photograph, thus avoiding getting other men's letters or their obtaining his. The scheme has only been in operation a month but works like a charm.—Exchange.

His Natural Bent.

Fond father—If that boy of mine has any particular bent I can't find it.

Philosopher—What experiments have you made to find out?

"Very thorough ones. I gave him a toy printing press, a steam engine, a box of paints, a chest of tools, and a lot of other things carefully selected to find out whether his tastes were literary, mechanical, artistic, commercial, or what, and I know no more than I did before."

"What did he do with them?"

"Smashed them all up."

"Ah, I see. He is to be a furniture mover."

—New York Weekly.

REAL ESTATE COLUMN.

The Following Choice Parcels of Land Are for Sale in the Real Estate Department of the Exchange Bank, Birmingham, Mich., Where All Inquiries Will Be Cheerfully Answered.

LOT 1.

Four and one-third acres of land in the southeast corner of the village of Birmingham; with a frontage on Woodward avenue, of 330 feet. Good house, small barn, grapes, peaches, etc., all ready to make some one a comfortable home with a chance to make money out of the very best acreage in the village. Electric railway to Detroit and Pontiac along the entire Woodward avenue front. You cannot help making money whether you hold it or plat it. Price very low and terms easy.

LOT 2.

Farm of 78 acres straight west of Birmingham. All plow land and none better, being a rich gravelly loam. Good barn 30x40 but an inferior house. Fine orchard. Price $55 per acre. Terms $2,000 cash and balance on easy terms and long time. There is no better bargain in farms in this section. Land every way inferior having been sold in the immediate neighborhood in the past two years for nearly double this price.

LOT 3.

House and lot with small barn on Pierce St., in Birmingham. A new artificial stone walk along the entire front. City water in the house. Buildings in good repair. House insured for $1,000. The owner having moved away is anxious to sell and has put down to the very low figure of $1,200. Terms easy.

LOT 4.

One of the finest farms in Oakland County, consisting of Two Hundred acres of rich loam, two barns, two sheds and a good old fashioned farm house in excellent repair. Everyone knows the "old William Durkee farm." It is three miles west of Birmingham, over good roads and the finest location for a stock farm in the vicinity. Ten acres of orchard, 18 acres of Beech and Maple timber and the balance improved. All kinds of fruit and the finest location hereabouts. The price asked is only sixty dollars per acre and the buildings are well worth $4,000. Terms, half down, balance on long time if desired.

LOT 5.

The old C. W. Jenks place formerly occupied as a cooper shop by S. C. Mills and now owned by him. On north side of Maple Avenue, midway between Woodward Ave., and the depot of the D. G. H. & M. R. R. One of the best business sites in the village. As the owner has decided to dispose of this property at once he offers it at the remarkably low price of $1,500 cash.

LOT 6.

A 53 acre tract lying next to the village on the south with ten acres of timber, balance cleared and comprising some of the best farming land in the country. Price, $4,500. Terms, $2,000 cash, balance on easy terms.

LOT 7.

A farm of one hundred acres within a mile and a half of the new Electric Railway. Sixty acres cleared and twenty in timber. Two barns and house in good repair. Insured for $1,250. Four acres of orchard all grafted trees. Two fine springs furnishing an abundance of excellent water. Soil, a rich clay loam; price, $100 per acre. Land in the immediate neighborhood has been sold for nearly double the price asked for this place. The place is owned by Volney Goodwin, of Birmingham.

LOT 8.

We have had placed in our hands for sale one of the beautiful homes our pretty village is noted for. This place is handsomely located, shaded to perfection with large maple trees, has two large living rooms, all bedrooms with closets, good well and cistern. Cellar under whole house. Two story house, wood-shed and all necessary outbuildings. Three lots 40x100 go with the place. Call on Whitehead & Mitchell for particulars.

LOT 9.

A farm of 66 acres within one and one-half miles of the village of Birmingham, in the township of Bloomfield. Fifty-six acres cleared, three acres excellent orchard and the balance in timber. Good house, barn and all necessary outbuildings in good repair. Never failing stream of good water running through the length of farm. One of the finest farms for grazing and stock raising that could be desired. Owned by J. McCracken. Price $3,000. Terms easy.

LOT 10.

The farm known as the "Bayley Farm" in the township of Troy. It was awarded the first premium of many contestants for the best farm in the county of Oakland and there are none better to-day. The owner really wishes to sell and realizing that fancy prices are discouraged by us, has finally consented to put the farm in our hands for sale and has put the price down to $75 per acre. Finest flowing well in the country furnishes an abundance of the best water the year round. One hundred and twenty-seven acres of rich, loamy soil, 20 acres timber, beech and maple, 4 acres orchard fine, grafted fruit. Seven buildings, insured for $2,800. Terms, half cash, balance on easy terms or will exchange partially for Detroit property. You can't help but be suited with this place. Come and see it.

LOT 11.

Six acres within half a mile of Birmingham. Just the place for a small farming outfit, within easy access of the electric road and the village. Nice place for city man requiring a little place for small farm and gardening. Owned by Mrs. Elmer Crowh and situated directly south of the post office in Birmingham, on Pierce street. Price $700 and nothing less will buy it. Terms, one-third cash and balance on long time.

LOT 12.

The Franklin Mills, situated at the village of Franklin, Oakland county, in one of the best farming countries in the state. The property includes house and lot and other buildings. Water power, with old fashioned stone run for flour. Was formerly held at $10,000 but owing to the poor health of the present owner it will be closed out for cash at the remarkably low figure of $3,500, or will exchange for a small farm. At one time this mill had the largest patronage in the county and a hustling young man could soon bring it back to its former prestige and make it a remarkably good investment. It is worth looking up a little and we will gladly answer all inquiries.

LOT 13.

Twenty acres of land adjacent to the little village of Big Beaver and about six miles from the village of Birmingham, with good barn 24x30. One acre of good orchard and everything ready for a man who would like a small farm to keep a cow, horse, a few chickens, etc. Price $50 per acre. Terms cash.

LOT 14.

Here's a chance for some one to make a little fortune in Birmingham acreage—and that's what they are all looking after just now, too. Sixteen acres bounded on the south by Harmon street, where the new electric railroad power plant is about to be erected; and on the west by Cemetery avenue with a 60 foot street running north to intersect with Saginaw avenue. Some of the finest residences in Birmingham are in the immediate vicinity. The price now is $5,000 but we will not promise to sell at that figure 60 days from this date, (Jan. 15, 1896). This is, without a possible exception, the finest acreage in the village. A good tile drain extends throughout the tract and there is nothing in the way of platting the entire lot—not a foot of waste land on it. Come and see it and bother us all you can about it—that's what we are here for.

TAKE NOTICE.

All the land advertised herein is in our hands and controlled by us exclusively. The commission comes from the seller, invariably, and it is not possible in any case to purchase from the owner any cheaper than you can from us. All the necessary papers will be made free of cost to the parties interested and abstracts examined for customers, by a competent person, free of charge. For any information inregard to the above mentioned property address THE EXCHANGE BANK, BIRMINGHAM, and your inquiries will be answered with courtesy and dispatch.

Very respectfully,
WHITEHEAD & MITCHELL.

Special Notices.

Four pounds beautiful raisins for 25c at Whitehead & Mitchell's.

Four per cent. interest on savings, Exchange Bank.

Whitehead & Mitchell will have for the children's sake a special sale of CANDY! CANDY! CANDY! CANDY! 20 sticks for 5c. Next Saturday all day long from 8 a. m. until 10 p. m. Whitehead & Mitchell.

House to rent and one acre of land $7 per month. Call at THE ECCENTRIC office for particulars.

A bottle of Mitchell's Compound Syrup of White Pine in the house saves doctors' bills, saves trouble, and very often saves precious lives. Gives almost instant relief in cases of coughs, colds, or lung troubles of any sort.

Dress making and sewing wanted by Mrs E. Montgomery, who is prepared to do all kinds of ladies' and children's dress making at her home in the James place, Martin St. tf

A Trip to the Garden Spots of the South.

On January 14 and 28, February 11 and March 10, tickets will be sold from principal cities, towns and villages of the north, to all points on the Louisville & Nashville Railroad in Tennessee, Alabama, Mississippi, Florida and a portion of Kentucky, at one single fare for round trip. Tickets will be good to return within thirty days and will allow stop-over at any points on the south bound trip. Ask your ticket agent about it, and if he can not sell you excursion tickets write to C. P. Atmore, General Passenger Agent, Louisville, Ky., or Jackson Smith, D. P. A., Cincinnati, O. (save)

BUCKLEN'S ARNICA SALVE.

The best salve in the world for cuts, bruises, sores, ulcers, salt rheum, fever sores, tetter, chapped hands, chilblains, corns, all skin eruptions, positively cures Piles or no pay required. It is guaranteed to give perfect satisfaction or money refunded. Price 25 cents a box. For sale by Whitehead & Mitchell and F. Hagerman.

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STATE OF MICHIGAN, County of Oakland, ss. At a session of the Probate Court for the county of Oakland, held at the Probate Office, in the city of Pontiac, on the 28th day of December, in the year one thousand eight hundred and ninety-five. Present Thomas L. Patterson, Judge of Probate. In the matter of the estate of SOPHIA MEAD, deceased. On application of Alanson Partridge, the executor, for the examination and allowance of his final account and the settlement of the estate.

It is ordered that Monday, the 27th day of January next, at 10 o'clock in the forenoon, at said Probate Office, be appointed for hearing said application and the examination and allowance of said final account; and it is further ordered, that a copy of this order be published three successive weeks previous to said day of hearing in THE BIRMINGHAM ECCENTRIC, a newspaper printed and circulating in said county of Oakland.

THOMAS L. PATTERSON,
Judge of Probate.
Jan2-Jan23

Whitney Grand — The Place to See Big Attractions.

All Week. Matinees Tuesday, Thursday and Saturday.

The Light on the Point.

Say: at Whitehead & Mitchell's You Can Get

Celery Compound, per bottle [illegible]
Beef, Iron and Wine, per bottle [illegible]
Lambert Root Beer Ex., per bottle [illegible]
Prices low. Quality Excellent. Try Us.

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THE BEST FOR EVERYBODY BECAUSE

It is easy to find the word wanted. Words are given their correct alphabetical places, each one beginning a paragraph.

It is easy to ascertain the pronunciation. The pronunciation is shown by the ordinary diacritically marked letters used in the schoolbooks.

It is easy to trace the growth of a word. The etymologies are full, and the different meanings are given in the order of their development.

It is easy to learn what a word means. The definitions are clear, explicit, and full, and each is contained in a separate paragraph.

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Specimen pages, etc., sent on application.

PONTIAC, OXFORD & NORTHERN R. R.
Time Table in effect Nov. 19, '95.
Trains Run on Central Standard Time.

Going North. Fr'gt No. 5	Going North. Pass. No. 3	Going North. Mx'd No. 1	Stations.	Going South. Mx'd No. 2	Going South. Pass. No. 4	Going South. Fr'gt No. 6
A. M.	P. M.	A. M.		P. M.	A. M.	A. M.
8 20	4 05	6 55 / 7 45	D., G. H. & M. / Mich Cent.	9 [illegible] / 8 55	11 50	
8 30	5 15	8 10	PONTIAC	8 00	10 40	3 55
9 15	5 29	8 30	Eames*	7 45	10 22	3 30
9 30	5 39	8 40	Cole*	7 35	10 15	3 10
10 05 / 10 50	6 00	8 55 / 9 05	Oxford Arr / Dp	6 45	10 05	1 55 / 1 55
11 08	6 10	9 28	Shoup*	6 27	9 53	1 37
11 25	6 18	9 46	Leonard	6 13	9 46	1 18
11 55	6 32	10 02	Dryden	5 55	9 32	12 58
12 30	6 46	10 18	Imlay City	5 38	9 19	12 30
12 58	7 00	10 32	Lum*	5 17	9 07	12 10
1 15	7 09	10 40	Kings Mill*	5 06	8 59	11 55
1 55	7 24	10 55	No Branch	4 50	8 45	11 35
2 50	7 38	11 11	Clifford	4 29	8 30	11 11
3 40	7 54	11 20	Kingston	4 09	8 15	10 35
3 58	8 04	11 29	Wilmot*	3 58	8 06	9 40
4 15	8 12	11 47	Deford*	3 47	7 56	9 25
4 50	8 28	12 02	Cass City	3 35	7 47	8 55
5 45	8 41	12 14	Gagetown	3 22	7 33	8 30
6 05	8 52	12 25	Owendale	3 12	7 20	7 50
6 15	8 59	12 29	Linkville*	3 05	7 15	6 55
6 45	9 10	12 40	Pigeon	2 57	7 00	6 35
6 48	9 12	12 42	Berne	2 55	6 58	6 20
7 10	9 25	1 00	Caseville	2 40	6 45	6 00
p. m.	p. m.	p. m.	Ar. Lv.	p. m.	a. m.	p. m.

Train No. 6 Mondays, Wednesdays and Fridays. Train No. 5 Tuesdays, Thursdays and Saturdays. All others daily except Sunday.

*Flag stations, where trains stop only on signal.

CONNECTIONS: Pontiac with Detroit, Grand Haven & Milwaukee Ry., and Michigan Air Line Division of Grand Trunk Ry. Oxford with Bay City Division Michigan Central Ry. Imlay City with Chicago & Grand Trunk Ry. Clifford with Flint & Pere Marquette Ry. Pigeon with Saginaw, Tuscola & Huron Ry.

W. C. SANFORD, Gen. Supt.

An agreeable Laxative and NERVE TONIC. Sold by Druggists or sent by mail. 25c., 50c. and $1.00 per package. Samples free.

KO NO The Favorite TOOTH POWDER for the Teeth and Breath, 25c.

Captain Sweeney, U.S.A., San Diego, Cal., says: "Shiloh's Catarrh Remedy is the first medicine I have ever found that would do me any good." Price 50 cts. Sold by Druggists.

Do not neglect a Cough, as there is danger of its leading to Consumption. SHILOH'S CURE will save you a severe Lung Trouble. It is the best Cough Cure and speedily relieves Coughs, Croup, Whooping Cough and Bronchitis, and is sold on a guarantee. 25 cts.

Sold by Whitehead & Mitchell.

Rag Carpets and Rugs Woven

QUICKLY, CHEAPLY AND WELL.

Elvira Benson, Warren, Mich.

(Aug 2 '93)

PATENTS

Caveats, and Trade-Marks obtained, and all Patent business conducted for MODERATE FEES. OUR OFFICE IS OPPOSITE U. S. PATENT OFFICE and we can secure patent in less time than those remote from Washington.

Send model, drawing or photo., with description. We advise, if patentable or not, free of charge. Our fee not due till patent is secured.

A PAMPHLET, "How to Obtain Patents," with cost of same in the U. S. and foreign countries sent free. Address,

C. A. SNOW & CO.
OPP. PATENT OFFICE, WASHINGTON, D. C.

STATE OF MICHIGAN, County of Oakland, ss. At a session of the Probate Court for the county of Oakland, held at the Probate Office, in the city of Pontiac, on the 13th day of January, in the year one thousand, eight hundred and ninety-six. Present Thomas L. Patterson, Judge of Probate. In the matter of the estate of LOUIS WOLF, deceased. On reading and filing the resignation of Major G. Jones, the administrator, and the application for the allowance of his final account and on petition of Frederika E. Wolf for the appointment of herself as administratrix de bonis non of said estate.

It is ordered that Monday, the 10th day of February next, at 10 o'clock in the forenoon, at said Probate Office, be appointed for hearing said application, final account and petition; and it is further ordered, that a copy of this order be published three successive weeks previous to said day of hearing, in THE BIRMINGHAM ECCENTRIC, a newspaper printed and circulating in said county of Oakland.

THOMAS L. PATTERSON,
(A TRUE COPY.) Judge of Probate.
Jan16-Feb6

EVERYTHING HOME MADE AND PALATABLE. PARCELS CHECKED FREE.

FENWICK'S LUNCH PARLORS
(LATE CAMPUS LUNCH.)
FOR LADIES AND GENTLEMEN. 77 WOODWARD AVENUE, DETROIT, MICH.
Ladies' Waiting and Toilet Rooms.

K&K=DRS·K&K=DRS·K&K=DRS·K&K

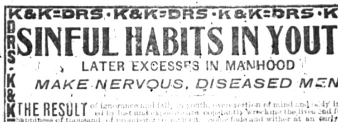
SINFUL HABITS IN YOUTH

LATER EXCESSES IN MANHOOD

MAKE NERVOUS, DISEASED MEN

THE RESULT of ignorance and folly in youth, overexertion of mind and body induced by lust and exposure are constantly wrecking the lives and future happiness of thousands of promising young men. Some fade and wither at an early age, at the blossom of manhood, while others are forced to drag out a weary, fruitless and melancholy existence. Others reach matrimony but find no solace or comfort there. The victims are found in all stations of life: The farm, the office, the workshop, the pulpit, the trades and the professions.

RESTORED TO MANHOOD BY DRS. K. & K.



NO NAMES OR TESTIMONIALS USED WITHOUT WRITTEN CONSENT.

SYPHILIS EMISSIONS STRICTURE CURED

Wm. A. Walker of 16th Street says:—"I have suffered untold agonies for my 'gay life.' I was indiscreet when young and ignorant. As 'One of the Boys' I contracted Syphilis and other Private Diseases. I had ulcers in the mouth and throat, bone pains, hair loose, pimples on face, finger nails came off, emissions, became thin and despondent. Seven doctors treated me with Mercury, Potash, etc. They helped me but could not cure me. Finally a friend induced me to try Drs. Kennedy & Kergan. Their New Method Treatment cured me in a few weeks. Their treatment is wonderful. You feel yourself gaining every day. I have never heard of their failing to cure in a single case."

CURES GUARANTEED OR MONEY REFUNDED

Capt. Chas. Ferry says:—"I owe my life to Drs. K. & K. At 14 I learned a bad habit. At 21 I had all the symptoms of Seminal Weakness and Spermatorrhoea. Emissions were draining and weakening my vitality. I married at 24 under advice of my family doctor, but it was a sad experience. In eighteen months we were divorced. I then consulted Drs. K. & K., who restored me to manhood by their New Method Treatment. I felt a new life thrill through my nerves. We were united again and are happy. This was six years ago. Drs. K. & K. are scientific specialists and I heartily recommend them."

IMPOTENCY VARICOCELE EMISSIONS CURED

We treat and cure Varicocele, Emissions, Nervous Debility, Seminal Weakness, Gleet, Stricture, Syphilis, Unnatural Discharges, Self Abuse, Kidney and Bladder Diseases.

17 YEARS IN DETROIT. 200,000 CURED. NO RISK.

READER! Are you a victim? Have you lost hope? Are you contemplating marriage? Has your Blood been diseased? Have you any weakness? Our New Method Treatment will cure you. What it has done for others it will do for you. CONSULTATION FREE. No matter who has treated you, write for an honest opinion Free of Charge. Charges reasonable. BOOKS FREE—"The Golden Monitor" (illustrated), on Diseases of Men. Inclose postage, 2 cents. Sealed.

NO NAMES USED WITHOUT WRITTEN CONSENT. PRIVATE. No medicine sent C. O. D. No names on boxes or envelopes. Everything confidential. Question list and cost of Treatment, FREE.

DRS. KENNEDY & KERGAN, No. 148 SHELBY ST. DETROIT, MICH.

K&K=DRS·K&K=DRS·K&K=DRS·K&K

We are not frantic over the hard times but make an Inventory Reduction for Cash and a good, bright, clean stock to offer.

No tail-ends of Auction Stock, but a great bona fide Reduction Sale For Cash Only

THE BEE-HIVE,

PONTIAC, MICH.

A ∴ CASH ∴ RAISER!

For the remainder of the month of January.

Any article in our store can be bought for the remainder of this month, or until we are through invoicing, at prices lower than ever offered in Pontiac, for CASH. This applies to all lines of ordinary goods including

Carpets and Domestic Cottons,

Housekeeping Linens, etc., of course in the Cloak Room the prices are about cut in two. Save this in your purchases and buy your needed early Spring Cottons, Linens, etc., at the Bee-Hive.

Now is Your Time.

JOHN POUND, Proprietor.

The Greatest Event in the History of the Dry Goods Trade in Pontiac and Vicinity.

J. S. STOCKWELL,

PONTIAC, MICHIGAN.

$15,000 worth of Dry Goods to be sold at the lowest prices ever offered in this city.

Successful storekeeping does not mean large profits. It means doing business continually, constantly selling seasonable goods, even at a loss than holding them for months. Dry goods were never as cheap. In fact, the extraordinary low prices tempted us to make very large purchases and we find our stock $15,000 too large and no matter what the loss may be to us the goods must go. This sale must be cash as we shall lose money every day it continues. The goods will be sold from 5 to 50 per cent discount.

DRESS GOODS.

$1,500 worth of black dress goods from 12 1-2c per yard up to the finest novelty goods, including every piece of black goods in our stock will be sold at from 5, 10, 15 to 50 per cent discount which will make some of them 1-2 off. A discount on every piece. $2,500 of colored dress goods and flannels will be offered at same discount. Remember there are not old goods that are offered you but new, neat and stylish.

CARPETS.

There has been a large advance in carpets and there certainly will be a greater advance, but we are determined to reduce our stock and in order to do it we offer all of our 50c carpets extra super, all wool, first class goods at 35c per yard.

CLOAKS.

Every garment in our Cloak department will be offered at a discount from 25 to 75 per cent. Also discounts will be made on knit Underwear, Corsets, Hosiery and many other articles which space will not permit us to mention. Do not miss this sale as you cannot understand the great reduction made until you see the goods.

J. S. STOCKWELL.

MORTGAGE SALE—Default having been made in the payment of a mortgage, dated the 10th day of January, A. D. 1895, executed by Ira Slade and his wife, of Birmingham, Oakland County, Michigan, to Whitehead and Mitchell, co-partners doing business under the firm name as above, said firm composed of George H. Mitchell and Almeron Whitehead, of Birmingham, Oakland County, Michigan, which mortgage was recorded in the office of the Register of Deeds for Oakland county, in liber [illegible] of mortgages, on page [illegible], on the 14th day January, 1895, at [illegible] o'clock [illegible] of that day, and there being now due and unpaid upon said mortgage for principal and interest six hundred and seven and [illegible] dollars, together with an attorney fee of twenty-five dollars as provided in said mortgage, and according to the statute in such case made and provided, and no proceedings having been taken at law or equity to recover the same or any part thereof, whereby the power of sale contained in said mortgage is now operative. Notice is hereby given, that the said mortgaged premises therein described will be sold according to law at public auction, to the highest bidder, at the front door of the Court House, in the city of Pontiac, state of Michigan, said building being the building wherein is held the Circuit Court for the county of Oakland, on Saturday, the 8th day of February, A. D. 1896, at one o'clock in the afternoon of said day. The mortgaged premises to be sold are described therein as follows, to-wit: Lots numbered forty-two (42) and forty-four (44) of Hamilton's eastern addition to the village of Birmingham, county of Oakland, state of Michigan, said addition being a part of the southeast quarter of section twenty-five (25), town two (2) North, Range ten (10) East.

Dated at Birmingham this 23rd day of November, A. D. 1895.

WHITEHEAD & MITCHELL, co-partners doing business as above, said firm composed of Almeron Whitehead and George H. Mitchell, Mortgagees.

D. L. DAVIS AND F. B. BROMLEY,
Att'ys for Mortgagee. (Nov8-Feb7)

BURNET HOUSE,

Cincinnati, O.

One of the Best Hotels in the State. Equal to Any. Excelled by None.

All We Ask Is a Trial.

(Nov1tf)

THE FAVORITE AMUSEMENT PALACE.

WONDERLAND

Performances—Afternoons & Evenings.
Entire Change of Attractions ... EVERY WEEK....
[illegible] and [illegible] Woodward Ave. DETROIT.

Florida and Southeast.

If you have any intention of going to the Southeast this fall or winter, you should advise yourself of the best route from the North and West. This is the Louisville & Nashville Railroad, which is running double daily trains from Cincinnati through to Nashville, Chattanooga, Birmingham, Atlanta, Montgomery, Thomasville, Pensacola, Mobile, Jacksonville and all Florida points. Pullman Sleeping Car Service through. Special low rates made to Atlanta during the continuance of the Cotton States Exposition and tourist rates to all points in Florida and Gulf coast resorts during the season. For particulars as to rates and through car service, write

JACKSON SMITH, Div. Pass. Agt., Cincinnati, O.
C. P. ATMORE, Gen'l Pass. Agt., Louisville, Ky.
(Nov14tf)

If You Are Going Anywhere South This Winter

You should write and get correct information in regard to the facilities offered by the

Louisville & Nashville R. R.

THIS CAN BE OBTAINED OF

J. K. RIDGELY, N. W. Pass. Agent, Chicago, Ill.,
C. P. ATMORE, Gen'l Pass. Agt., Louisville, Ky.

HOMES IN THE SOUTH,

Can be secured on most liberal terms and at low rates. Write for County Map of the South to either of the above named gentlemen, or to

P. SID JONES, PASS. AGENT,
In charge of Immigration,
BIRMINGHAM, ALA.

COMMISSIONER'S NOTICE.—In the matter of the estate of Mary Ann Maher, deceased. The undersigned, having been appointed by the Honorable Thomas L. Patterson, Judge of Probate in and for the County of Oakland, State of Michigan, commissioners to receive, examine and adjust all claims against said estate, and six months from the 11th day of December, A. D. 1895, having been allowed by said Judge of Probate to all persons holding claims against said estate, in which to present them to us for examination and adjustment, notice is hereby given that we will meet on the 20th day of January, 1896, and on the 11th day of June, 1896, at 10 o'clock a. m. of each day at Whitehead & Mitchell's store in the village of Birmingham, in said county, for the purpose of receiving and adjusting said claims.

MOSES K. TABER,
MARTIN H. BURST, Commissioners.
Dec19-Jan9

STATE OF MICHIGAN, County of Oakland, ss.—Notice is hereby given that by an order of the Probate Court for the County of Oakland, made on the 23d day of December, A. D. 1895, six months from that date were allowed for creditors to present their claims against the estate of LOUISA B. CROMWELL, late of said County, deceased, and that all creditors of said deceased are required to present their claims to said Probate Court at the Probate office, in the City of Pontiac, for examination and allowance, on or before the 23d day of June next, and that such claims will be heard before said court, on Tuesday, the 23d day of June next, at ten o'clock in the forenoon of that day.

Dated Dec. 23, A. D. 1895.

THOMAS L. PATTERSON,
Judge of Probate.
Dec26-Jan23

STATE OF MICHIGAN, County of Oakland, ss.—Notice is hereby given that by an order of the Probate Court for the County of Oakland, made on the 23d day of December, A. D. 1895, six months from that date were allowed for creditors to present their claims against the estate of HIRAM PIKE, late of said county, deceased, and that all creditors of said deceased are required to present their claims to said Probate Court at the Probate office, in the City of Pontiac, for examination and allowance, on or before the 23d day of June next, and that such claims will be heard before said court, on Tuesday, the 23d day of June next, at ten o'clock in the forenoon of that day.

Dated Dec. 23, A. D. 1895.

THOMAS L. PATTERSON,
Judge of Probate.
Dec26-Jan23

THE HISTORIC ROUTE.

The Nashville, Chattanooga & St. Louis Railway, the model Railway of the South in equipment, roadway and service, is also the greatest in historical interest, more than fifty famous battlefields and five national cemeteries being located on the various lines of this system. This is the preferred route to Atlanta for the Cotton States and International Exposition, open from September 18 to December 31, 1895, for which very low excursion rates have been made. Through sleeping car service from St. Louis to Atlanta via Evansville, Nashville and Chattanooga. This is the route of the famous "Dixie Flyer" through sleeping car line which runs the year round between Nashville and Jacksonville, Fla. For further information, address Briard F. Hill, 328 Marquette Building, Chicago, Ill., or R. C. Cowardin, Western Passenger Agent, Railway Exchange Building, St. Louis, Missouri, or D. J. Mullaney, Pass. Agt., 59 West Fourth St., Cincinnati, Ohio.

W. L. DANLEY, G. P. & T. A.,
(Nov14tf) Nashville, Tenn.

THE FLORIDA SEASON.

Is now fully opened up and the question of when to start and by what lines to travel is presenting itself to the Southern tourist. A pleasing choice of route is an essential feature of a railway trip.

The Cincinnati, Hamilton & Dayton Railway, with solid trains, magnificent sleeping and parlor car service, quick schedules and close Cincinnati connection with the fast lines to Florida, realizes all the possibilities of modern journeying. Any of the Company's agents will on call or written application, be pleased to give full information as to rates, etc., supply you with a full line of printed matter, and render all service necessary to a satisfactory trip.

Geo. W. Hayler, D. P. A., Indianapolis, Ind.; J. S. Leahy, G. T. P. A., Chicago, Ill.; W. H. Whittlesey, C. P. A., Dayton, O.; J. C. Winans, D. P. A., Piqua, O.; Jno. Bastable, D. P. A., Toledo; D. B. Tracey, N. P. A., Detroit.

D. G. EDWARDS, G. P. A., Cincinnati, O.

ALL OF AYER'S MEDICINES ARE ALWAYS for sale at Whitehead & Mitchell's.

Birmingham Presbyterian Church.

REV. A. MARSH, PASTOR.

Sabbath services at 10:30 a. m., and at 7 p. m. Sunday School at 12 m. Young People's Meeting Sabbath evening at 6 o'clock. Prayer Meeting Thursday evening at 7 o'clock.

All who are not identified with other churches are invited to come with us.

Methodist Episcopal Church.

REV. E. S. NINDE, PASTOR.

Sabbath services at 10:30 a. m. and at 7:00 p. m. Sabbath school at 12 m. Epworth League at 6 p. m. Prayer meeting on Thursday evening at 7 p. m. All are invited.