## SCIENTIFIC MISCELLANY.

#### Scientific American, NEW INDUSTRIAL ENTER-PRISES.

employment of its capital and people, maille d'Augers, the greatest distance depends upon a continual increase of that has been made with a velocipede the producing power. Whenever in France.

Baron Emanuel de Graffenried de Burgenstien, aged twenty years and The increasing wealth of the nation, as well as the profitable and steady has accomplished, with M. A. Lau-has accomplished, with M. A. Lau-

A VELOCIPEDE FEAT EX-

TRAORDINARY.

there are latent resources undeveloped or opportunities for establishing the first foundation of an industry, lead-having traveled a distance of more

ing as it will to the origination of than three thousand miles. auxiliary ones, an unsual effort should Their route extended through be made to bring it into existence. If part of the west, the middle, and in the power of individuals to accom-plish, so much the better; if need-ern Switzerland. They traveled ing an association with State or through Orleans, Tours, Poitiers, Annational influence, then this associa- gouleme, Bordeaux, Montauban, Toution should be formed. It is incum- louse, Montpellier, Marseilles, Toubent upon individuals that they pos-sess a sufficient pride in the prosperity Turin, Milan, Simplon-where they of the country to give every possible barely escaped destruction by an avaattention and asssistance to a careful lanche-Vevay, Berne, Lausanne, practical demonstration of the feasibil- Geneva, Dijon, Troy, and Provins. ity of all the new industrial enter- The longest distance that they accomprises which may be presented with plished in a single day, was between reasonable assurance of final suc- Turin, and Milan, a distance of 90 miles, which they made in 91 hours.

Not in a great expenditure of money: influence is better than money, and a potential interest in a new enterprise is often better than capital.

the industrial resources of the United Two years ago a farmer-miller and States are by no means worked to their his wife, at Carrolton, Mo., furnished full capacity. The people by no means make all they consume. The finer articles of use, and requiring the time the wheat was standing in much labor and often the highest skill, the field. This year it was deterare imported from foreign nations. mined to make still better time. Ac-A premium of \$10,000 offered for an cordingly elaborate preparations were improved method in any known pre- made to reap, thrash, grind, and bake sent process of production or manu- the grain with least possible loss of facture would be almost sure to be time.

In 1 minute 15 seconds the wheat, called for. While America exports \$175,000,- about a peck, was cut and thrashed, 000 worth of raw cotton annually to and put on the back of a swift horse be worked up by other people, it is to be carried to the mill, 16 not possible to so increase the manu-facture in America as to keep the the flour was delivered to Mrs. Lawgreater part of that raw material and ton, and in 3m. 55s. from the starting to export the cloth instead? Is it not of the reaper the first griddle cake practicable to establish great numbers was done. In 4 minutes 37 seconds more of sugar estates in the same trop- from the starting of the reaper, a pan cal climate? Is it not practicable to of biscuits was delivered to the aslay the foundation of half a dozen sembled guests. beet sugar mills in the country? To After that, according to the Carbegin the weaving of linen -goods, rolton Democrat, other pans of deliand to teach our farmers that they cious "one minute" biscuits were bakmay produce all the flax fiber as fast ed more at leisure, and eagerly deas required? To start a ramie indus- voured, with the usual accompanietry in a small way and teach the ment of boiled ham and speech makprocess to those who will engage in ing. it?

QUICK WORK.

thought that was true; in fact his impres-

sion was that it was untrue. He was, he

said, the largest taxpayer in Cabarrus

county, and if he knew himself he was not

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GREAT

J. T. MOORE.

COTTON,

CORN

FLOUR,

GRAIN,

No.

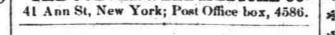
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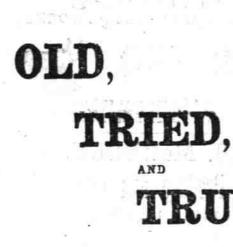
Two intrepid velocipedists, M. le ADVERTISING RATES : 

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the radical care (without medicine) of SPERMATORRHICA or Seminal Weakness, In-voluntary Seminal Losses, IMPOTENCY, Mental and Physical Incapacity, Impedimenta to Mar-riage, etc.; also, CONSUMPTION, EPILEPSY and FITS, induced by self-indulgence or sexual extravagance, &c.

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People are getting acquainted-and those who are not ought to be- with the wonderful merits of that great American Rendedy, this

## MEXICAN

Mustang Liniment,



Distillers' Entries, and various other forms for sale at the



Will not our silk men put a velvet Mr. Orchard, of Cabarrus, the solitary industry into operation as a germ from "National" cleated to the Legislature, is which a future industry may grow ? And we might name a hundred other said by both Cabarrus papers to be an exlesser enterprises which have hardly cellent citizen and most estimable man of name in this country, but every one "age, brains, and prudence." A story of of which is needed and will add to the recent campaign will bear repeating. He was charged with being an agrarian the wealth of the people. and Communist. He said he hardly

### THE EXPLOSIVENESS OF FLOUR.

just then ready to divide out all around Professor Peck and Peckham. of the and begin even with everybody else. The University of Minnesota, having been making an extensive series of exper- charge of Communism and agrarianism iments to determine the cause of the was quietly dropped.-Raleigh Observer. recent; flour mill explosion at Minneapolis. The substances tested were coarse and fine bran, material from stone grinding wheat; wheat dust, from wheat dust house; middlings, general mill dust, dust from middlings machines, dust from flour dust house (from stones), and flour. When thrown in a body on a light, all these substances put the light out. Blown by a bellows into the air O surrounding a gas flame, the follow-

Coarse bran would not burn. Fine bran and flour dust burn quickly, [1] with considerable blaze. Middlings burn quicker, but with less flame. All the other substances burn very quickly, very much like gunpowder. In all these cases there was a space

around the flash where the dust was  $\square$ not thick enough to ignite from particle to particle; hence it remained in the air after the explosion. Flour dust, flour middlings, etc., when LOW mixed with air, thick enough to ignite from particle to particle, and separated so that each particle is surat high temperature, which requires ing. There is no gas that comes from Z

GONS FOUL flour or middlings that is an explosive; it is the direct combination with X-1 the air that produces gas, requiring O additional space. Powerful electric sparks from the electric machine and O

FOR MAN AND DEAST.

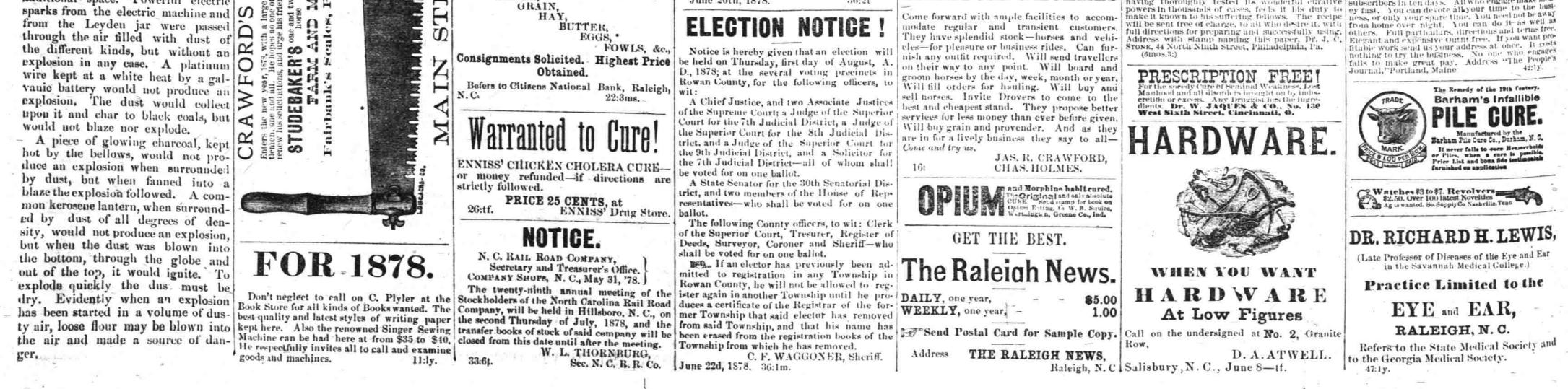
This linfment very naturally originated in America, where Nature provides in her laboratory such surprising antidotes for the maladies of her chil drea. Its fame has been spreading for 55 years, until now it encircles the habitable globe.

The Mexican Hustang Liniment is a matchless remedy for all exterital hillments of man and beast. To stock owners and farmers it is invaluable. A single bottle often raves a human life or restores the usefulness of an excellent horse, ox

screw-worm, chouldef rol, hange, the bites and stings of poisonous reptiles and insects, and every such drawback to stock breedingt and bush life. It cures every external trouble of horses, such as lamenesis, scratches, twinky, sprains, founder, wind gall, ring-bone, etc., cle. The Mexican Musiang Liniment is the quickest

cure in the world for needents occurring in the family, in the absence of a physician, such as burns, scalds, sprains, cuts, etc., and for rheuma tism, and stiffners engendered by exposure. Farticularly valuable to Miners.

penetrates the inuscle to the little, and a single plication is generally sufficient to cure. Mexican Mustang Liniment is put up in three zes of bottles, the larger ones being proportionsiy much the cheapests bond everywhere,



recovery of these papers if left with Mr. R.

JAS. A. REID.

36:2t

J. Holmes, Salisbury.

June 26th, 1878.

CRAWFORD & HOLMES