# Scientific American 

TEE ADVOCATE OF INDUSTRY, AND JOURNAL OF SCIENTIFIC, MECHANICAL AND OTHER IMPROVEMIRNTS.
bol. 5.
Nvew Dork, August 25, 1849.
No. 49.
Scientific American.
bebt mechanical paper in ties world circulation 19,000.
At 128 Falton Street, Now York (Sun Building,) and 13 Court streot, Boston, Mass.
By Munn \& Company.
The Principal Ofico boing at Now York Barlow \& Paynue, Agonts, so Chancory Lano, London TERMS-32 a yoir-91 in advance, and the remainder in 6 month.

## poetry.

THE TWO SHADOWS. by oliver wendell holmes
It was an evening calm and fair As ever drank the dew of June; The living earth, the breathless air, Slept by the shining moon.

There was a rudely woven seat, That lay beneath a garden wallI heard two voices low and sweetI saw two shadows fall.
Two shadows-side by side they wereWith but a line of lixht between; If shapes more real lingered there, Those shapes were all unseen.
The voice which seemed of deepest tone Breathed something which I scarcely And there was silence, save alone [heard One faintly whispered word
I heard a sound that lovers knowA sound from lips that do not speak; But oh! it leaves a deeper glow
Than words upon the che $\epsilon k$.
Dear maiden, hast thou ever known That sound which sets the soul on fire; And is it not the sweetest tone Wrung from earth's shattered lyre ?
Alas ! upon my boyish brow, Fair lips have often more than smiled; But there are none to press it nowI am no more a child.
Long, long the blendid shadows lay As they were in a viewless fold; And will they never break away, So loving, yet so cold ?
They say that spirits walk the vale, But that I truly do not know-
I wonder, when I told the tale, Why Fanny crimsoned so ?

The Green Wood.
by george halland.
I love the green wood, 0 chide me not For loving the wood, 'is a beautiful spot; God, when he made it, pronounced it good, And 'tis just as he left it, the same green wood
I love to wander for hours and hours, And pluck from its bosom the sweet wild flow0 set me down in some shady nook, [ers And teach we a lesson from nature's book.
I love the song of the merry bird, I love the low of the distant kerd, And ever the hum of the busy bee Has an inexpressible charm for me.
I love that old forest-tree standing there, With its arms extended in ceaseless praye:, And the trim brook as it dances along, Praising God in an endless song.
Commune with nature but one short hour, All the baser passions lose their power; The mind becomes calm, serene and clear, And is in harmony,-God is here. Here I would come when sad or gay, Here I would come to praise and pray, Here I would live, and here I would die, Add when I am dead, $O$ here let me lie.


Thisis an excellent Meat Cutting Machine, invented by Mr. John G. Perry, Mumford's Mills, Kingston, R. I , who has made application for a patent therefor. It is constructed in a very different manner from all other machines which have heretofore been used for the same purpose, inasmuch as all the others were coostrocted upow the chopping principle, while this one is made to operate upon the principle of a grinding mill, but its action on the meat is to cut it. It has, there. fore, superior advantages.

Fig. 2.


Fig. 1, is a perspective view, and Fig. 2 is a vertical sectic $n$, showing the knives and driving studs. The machine consists of a round box, having its bottom piece like the nether mill store, stationary, and its top like the up. per stone, moveable-revolving. On the face inside of its hottom, are sets of sharp crescent edged knives, K K, set out at certain distances apart, in the circle. On the under side of the top are setts of studs, or square metal cogs, represented by H H, fig. 2. The studs are set in such a manner as to pass between the knives, K , as seen in fig. 2, carrying the

A Prassic Actd.
A German paper says that suspension of life caused by prussic acid,, is only apparent; life is iomediately restored by pouring acetate of potash and common salt dissolved in water on the head and spine. In this country rabbits have been at once recovered from the effects of prussic acid by this means.

Substitute for Tea.
Dr. Graham, an old and experienced physician in London, says-" I may state on very respectable authority, that the first leaves of whortleberry properly gathered and dried in the shade, cannot be distiugushed from real China teas."

## Gretilng.

Dr. Chalmers was asked by Wilkie whether Principal Baird would preach before the King. Principal Baird had a sad habit of crying in the pulpit. "Why (saye Chalmers) if he does, it will be George Baird to George Rex,
meat and pressing it against the knives. The studs and knives are small and set at a shor space apart, so as to mince the meat very fine The studs and the knives are set into the top and the bed of the box, by having a space cut out for their reception, and blocks placed be tween each set, by the set screws, D E, as woen in fg. 2. Figure 1 will give cerrea idea of the form of the apparatus, how it is ed and how it is operated. A A are the posts, $B$ is the top revolving block, and $C$ is the stationary circular knife bed plate, $E$ and D are the set screws that secure and retain the knives and carrying studs; H is a hopper to feed in the meat to the knives. It is stationary and secured to the two high posts; $L$ is a shaft secured in bearings in the post and the hopper; $G$ is a bevel pinion on the shatt, and $F$ another, firmly secured on the top, B. By driving the shaft, L, motion is given to the setts of studs, H , in figure 2 which are secured in the top block, B. $T$ is an opening for a slide. $K$, to allow the person who attends the machine to get into the inte rior. There is an opering in the bed plate, into which the minced meat falls, and is received on the board, $M$. The principle on which this machine operates, will at once be observed to be different from common meat choppingmachines. It operateswelland gives great satisfaction.

- Old Times.

Umbrellas were introduced by British offi cers into this country about the time of the revolutionary war. Parasols were then unknown. As a defence from rain, men then wore " rain coats," and women " camblets." Gloves were introduced about the sear 1755 There were very few carpets before the revolution on the fleors; when first introduced they covered the floor outside of the chairs around the rooms.

## Chinese Mode or Administering Oaths

The witness is made to kueel, and to break a saucer on a bar in front of him. The following oath is then admonistered: "You shall tell the truth, and the whole truth; the saucer is cracked; if you do not tell the truth your soul will be cracked like the saucer.
There are in Canterbury fitteen parish churches and only one clergyman to गhom a settled income of 2300 a year is eecured.

## RALRROAD NEWE.

## Rlote on Rall Roads.

There is scarcely a week passes over nur heads without a riot on some rail road. The scenes enacted upon our new rail roade exhibits ould Ireland in miniarure; Doneybronk Fair and the Curragh of Kildare, are transferred to the hanks of the Hudson, or the banks of the Mnhawk In Ireland, the fights are generally bet ween Ribbnnmen and Orangemen, nn account of religion; but that is not the inherent cause for softening the crowns of one another in a shillelah melee No, the cause is inherent in Patrick's nature, and he is just the same man in America as he is in Ireland, until he is civilized hy incorporating himself with the Anglo-Saxon. The feuds between the Corkonians and the Connaught men on our rail ronale, are not religinus feuds, they are love-of fighting.feuds. Snmething should be done tn prevent such disgraceful scenes in our country. Two weeks azo a great riot took place on the Hudson River Rail Road, near Poughkeepsie, on a Sunday evening, in which one man was shot and a number of others wounded. As a general thing, the Irish laborers get drunk before thes fight, and when this is known, every contractor should make Temperance Pledges one teat of employing men, as a guarantee of quietness.

## Cattle on Rallroads.

It has been decided in a New Jersey Court that if a cow strays at large upon a railroad track, her owner is responsible for ennsequen. ces. The rule was made in a case where it was shown that all proper precautions wero made on the part of the rail road.

## medeot Ruver Raliroaid.

The first locomotive for this road has arrived, and there are now at the depot, 30 th st. five passenger cars and one lecomotive, beside six or eight second-clase passenger cars, which have come down from Springfield on the Hartford and New Haven and New York and New Haven Railways, and for the most part now lie on the track of the Harlem Railroad at Twenty- f th street. This locomotive was built by the Spring Geld Çar and Engine Company.

## Wires in the Woods.

The Malone ( $\mathbf{N} . \mathbf{Y}_{\text {. }}$ ) Gazette gives the particutars of an extensive devastation in the counties of St. Laprence, Clinton and Frankin, by fres in the woods, which have raged or some days Farm houses, barns, crops and timber havebeen destroyed to a large amnunt. The fire is still at work and more serious reults are anticipated under the present dryand parched condition of the ea:th, if the fires are not suppressed soon bs copious rains.

Starvation in Ireland.
An article in Blackwood's Magazine says that at least 15,000 persons perished by famine in Ireland, in 1848, in consequence of the loss of the potato crop, notwithstanding the British Government expended fifty millions of dollars in purchating food for the population, and extensive donations were received from abroad.

## suddon Death.

Mr. Luras Cowles, says the Springfield Republican, (Mass.), a highly respected citizen of Westfield, died quite suddenly on Tuesday, under the following circumstances:- He accidentally, while at work, cut his thumb with a buzz or circular saw, and went home and had the wound dressed, and returned to his shop. He soon began to feel seriously ill, and returning to his dwelling, died in a short time. The wound did not bleed, and this probably had a connection with the cause of his death. Mr. Cowles had been previouels in the enjoyment of full, health.

