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See advertisement on last page.

Poetry.

THE TELEGRAPH.

He who created heaven and earth,
And gave the rolling thunder birth,
Who hold'st the ocean in his hand,
Whose waves are stayed at his command,
Who made the gorgeous sun to gild
The humblest cot that man can build,
Who strewed the earth with lovely flowers,
And gave to man gigantic powers,
Hath kindly unto Morse revealed
What heretofore had been concealed.
He doth the rapid lightning tame—
A Telegraph he calls its name—
And with a single vivid flash,
A dot—a space—a line—a dash—
Can send around the earth the news,
Or stop it, just as he may choose,
What a mysterious mighty power!
No noise is heard—no cloud doth lower,
And yet the lightning wings its way,
And tells whate'er we have to say.

MEMORY OF THE PAST.

When backward through departed years
On memory's wing we stray,
How oft we find a source of tears
Along that wasted way!
The heart will vainly seek the light
That rested there before.
And sadly turn to mourn the blight
Of all it loved of yore.

We watched for footsteps that once came
To breathe the twilight vow—
We listen for the silvery tone
Of voices silent now;
We gaze on old, familiar things,
And marvel that they bear
No gladness to our spirits wings
Like that which once was there.

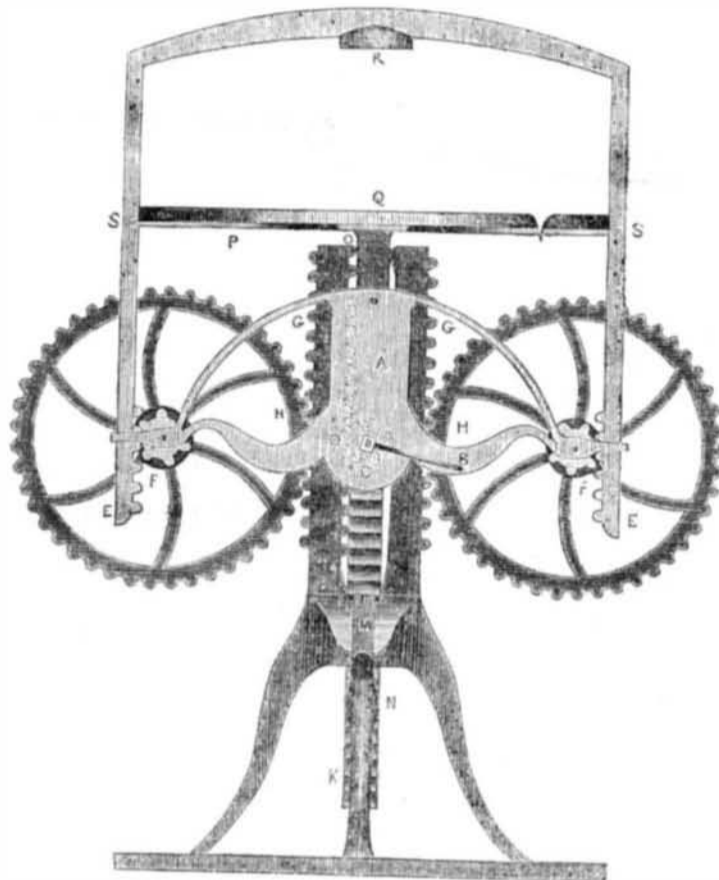
FANNY FORESTER'S BIRD.

Ere last years moon had left the sky,
A birdling sought my Indian nest,
And folded—oh, so lovingly—
Her tiny wings upon my breast,
From morn till evenings purple tinge,
In winsome helplessness she lies,
Two rose-leaves with a siken fringe,
Shut softly on her starry eyes.
There's not in Ind a lovelier bird;
Broad earth owns not a happier nest—
Oh God, Thou hast a fountain stirred,
Whose waters never more shall rest.
This beautiful mysterious thing,
This seeming visitant from Heaven,
This bird with the immortal wing,
To me—to me, Thy hand has given.
The pulse first caught its tiny stroke,
The blood its crimson hue from mine;
This life which I have dared invoke,
Henceforth is parallel with thine.

A silent awe is in my room—
I tremble with delicious fear,
The future with its light and gloom,—
Time and eternity are here.

Doubts—hopes, in eager tumult rise,
Hear, oh, my God? one earnest prayer:
Room for my bird in Paradise,
And give her angel plumage there.

IRA CARTER'S CHEESE PRESS.



This is a very neat and novel invention of a Cheese Press invented by Ira Carter, jr. of Plattsburg, Clinton County, N. Y. The principle of the invention consists in applying the weight of what may be called "the lifting gear," to press the cheese by direct lever pressure and in such a manner downwards that as the cheese curd is compressed the lever will accommodate its pressure to the same.

EXPLANATION.—N, is a strong cast iron frame with four legs of the form represented in the cut or of any other form for simplicity and solidity. Attached to this are two upright rack standards G G, these are bolted to the pedestal or base and are stationary—all the other parts are moveable. K, is a platform of the cheese table Q, and to which the cheese table is firmly fixed by bolts. This platform and rack standards are quite thin in proportion to their length and breadth. A, represents a broad iron plate or bearing which forms arms for the gudgeons of the rack wheels H H, and the pinions F F, which are cast on the hubs of the said rack wheels. This bearing is bolted to the platform K, and an axle with a pinion C, on the interior part of it working into an interior rack D, seen by the dotted lines, is operated by a handle B, whereby the said pinion C, by biting into the rack D, carries up on the rack standard or towards the top of the frame, the whole moveable gearing.—When the platform is thus lifted up and the cheese table elevated, a small spring wedge marked L, is inserted into the wedge rack of the platform and held firm by a small butt M. E E, is a double cross head lever with racks

cut on the inside near the extremities. These racks are for the purpose of pinions F F, working into when as the platform is raised so that the lever will be raised at the same time. The pinions on the arms are larger than C, the main or interior pinion, so that when the platform is lifted the lever will move up faster and vice versa. The cheese is put upon the cheese table between Q and R, when at the highest elevation and the cheese table lowered, the whole weight of the wheels acting upon the extremities of the lever as a pressing power, and the space between R and Q, diminishing as the cheese is compressed. This is owing to the pinions F F, being larger than the main pinion C; were it not for this no pressure would be expected by the operation. The relative proportions of these pinions should be at least a third in circumference, the interior one being that much less. S S, are two clasps on the under part of the cheese table to guide the arms of the lever and make them firm, and the arms of the lever are also clasped by the bearing plate. The cheese table is round, the form of a shield, and it is bolted to the platform or moveable rack, by a strong plate running across to the arms of the lever, and designated by the letters O P.

Measures have been taken to secure a patent for this Press, which will answer for more purposes than making cheese. As a small press it is preferable perhaps to many others in use for pressing small packages, as the turning of the handle presses or relieves the pressure, thereby causing but little trouble in putting in and taking out a package.

The New Star.

The new star, says the London Literary Gazette, observed by Mr. Hind in the constellation of the Serpent, occupies the attention and interest of astronomers. It continues of the same brilliancy of the fourth magnitude, and exactly in the same position, within the triangle formed by the three stars, zeta and eta Serpentarius, and nu of the Serpent. Recently Mr. Hind has noticed singular changes of color, red and blue or green and yellow tints. When the star is near the horizon, its color is

yellow, deepened with sudden flushes of red light. Its appearance is stated to be certainly different from that of any other star. It is supposed to be the lost star of Flamstead, observed by him in 1690, which, however, was of the sixth magnitude.

The Earle of Rosse, an Irish nobleman, the constructor of the Leviathan Reflecting Telescope, is to be the new President of the Royal Society, in place of the Marquis of Northampton, who retires.

RAIL ROAD NEWS.

The Lowell and Lawrence Railroad, Mass. is to be completed by the first of July, and the fare to be thirty cents between the two cities.

A thousand laborers, and a large number of masons are wanted on the Pennsylvania Railroad. Good wages are given, and prompt payment in good funds. Work can be had on the road for several years.

The first locomotive that ever travelled in Vermont, appeared there on the fifth inst. It is supposed to be a swifter horse than the famous Morgan breed.

In 1847, Massachusetts expended for 698 miles of railway, \$34,461,513, which in the aggregate paid a net income of 7.71 per cent, and transported a tonnage of 1,769,332 tons.

French Railways.

We are afraid that the French Railways are in a bad condition, as we have seen accounts of materials sent back to England that had been sent to France for the construction of some of the main lines. A vessel recently brought back from Bologne to London 57 wagons, 114 pair of wheels, 3 brakes and a number of other railroad articles. We hope that France will not neglect her internal improvements in the midst of her revolutionary excitement.

Plank Road.

The Central Square and Pine Plank Road, is a work undertaken by the enterprising citizens of the territory bordering on Oneida Lake, and in a fair way to be carried through to completion. This road, when completed, will extend from Central Square, in the county of Oswego, (near the west end of Oneida Lake,) to Pine, on the Rome and Oswego Plank Road, ten miles from Rome, passing through Constantia, Cleveland, West Vienna, North Bay, and Vienna. A sufficient amount of stock is taken to build all but ten miles of the road. The plank are now being laid, and will before next autumn be completed from Central Square to West Vienna.

From Central Square to Syracuse, a plank road is already in use, and when the Central Square and Pine road is completed, we shall have a continuous road from Rome to Syracuse, on the North side of the Lake, a distance of some 53 miles. The scenery along the lake shore in the summer season is delightful, and the plank road will furnish a charming ride over this hitherto comparatively unfrequented route.

Salmon of Oregon.

Lieut. Howison, of the U. S. Navy, in his report on Oregon, states, that the Salmon enter the mouth of the Columbia in May, and make their way up the stream for the distance of twelve hundred miles, being found in the month of September, at the very sources of the Columbia. The young fry pass out to sea in October, when they are nearly as large as herring. Different families of salmon resort to different rivers, which empty into the Pacific on the North-west coast. The largest enter the Columbia, coming from the north. They average twenty pounds each, and some weigh forty pounds.

These fish constitute the chief subsistence of many thousand Indians, who reside in the country watered by the Columbia, and its tributaries, and besides affording an abundant supply to all those and the white settlers of Oregon, eight hundred barrels a year are exported.

M. Argo has estimated that about seven millions of comets frequent the solar system, which, says a writer in *Frazer*, fully accounts for the number annually discovered.