## Viterary Rotices.

BOOKS sent to us for a Notice, will be duly attended to. Those from publishers in Philadelphia, New York, &c., may be left at our Philadelphia Office, 27 South 10th St., below Chestnut, in care of Joseph M. Wilson, Esq.

THE DOCTRINE OF BAPTISMS. By Geo. D. Armstrong, D. D., Norfolk, Va. New York: Scribner. For sale by John S. Davison, 62 Market Street, Pittsburgh.

This is a somewhat novel, but very lucid and satisfactory discussion of the whole subject of Baptism. It treats, 1st, of the term baptizo, and its translation; 2d, of the Mode of Baptism; 8d, of the Subjects of Baptism.

The author shows, throughout, a fine logical training, and handles his points with scholarly accuracy and dialectic skill. It is a plain, Scriptural view of the subject, which common readers can understand, while it commends itself to those of more advanced research. The whole range of topics included—as the Nature of the Abrahamic Covenant; the Unity of the Church under both Dispensations; the Substitution of Baptism for Circumcission; the New Testament Church as not a new Church organization, but a Reformation of the Church, or the Church commissioned in this new phase to go, teach all nations—all these topics are ably handled, and show Dr. Armstrong's acumen as a controversalist, while every page evinces his excellence as a Christian. We hope to have more from his pen.

THE DESERT OF SINAL: Notes of a Spring-Journey from Cairo to Beershebn By Horatus Bonar, D. D., Actso. 12mo., pp. 404. New York: Robert Carter & Brothers. 1857. The author of this very delightful volume has

long been favorally known to the American Churches, by his numerous works, which have great merits have deserved. On turning over continually reminded of the celebrated book by yet comprehended. his brother, Andrew Bonar, formerly of Collace. now of Glasgow. We allude to the "Narrative of a Mission of Inquiry to Palestine," of which the authorship has popularly been attributed to the late lamented McCheyne, who was one of the deputation which the Church of Scotland sent to the East. The book was really written by Andrew Bonar, and before publication, its statements were assented to by the other members of the deputation. We mention this fact in this connexion, because so many of our readers are acquainted with the "Narrative" of the Deputation; and when they are told that a similar spirit pervades the volume before us, we have given them the best description and commendation of it, in our power. Dr. Bonar was accompanied in his journey by the Rev. Mr. Wright, of Swinton, and by Messrs. Poynder and Beddome, two English gentlemen, so that the company consisted of two Free-Church Presbyterians, and two Evangelical Episcopalians. They journeyed in the love of each other, and their intercourse appears lived from our place of worship. They have to have been fraternal and profitable. One great formed the Presbyterian church of Lafayette, to have been fraternal and profitable. One great object of Dr. Bonar, and his fellow-travelers in visiting the desert of Sinai, was to transcribe, with as much accuracy as possible, as many of with as much accuracy as possible, as many of the celebrated inscriptions on the mountains as they could in order to aid in determining the they could, in order to aid in determining the agitated question respecting their authorship and lines doing, they manifested a commendable spirhistory. Mr. Wright had prepared a photograph- it of liberality. ic apparatus for this part of the tour, and also The ladies of the congregation deserve much part of the volume which treats of this subject, will be read with much interest. The narrative terminates at the arrival of the party at Beersheba, in the Southern part of Palestine; and we may look out for another volume, which shall record their observations in the Holy Land. Although there is no attempt at fine writing in this book, still the genial spirit, the keen relish of the beautiful, and the capacity for accuracy of description which it displays, will carry the reader onward with great delight; and when he closes the book, he will wish that it had been longer, attention of the Old School Presbyterian and utter a wish that the next volume might soon | Church, to the spiritual wants of this place.

Live in its Lower, Intermediate, and Higher Forms; or Manifestations of the Divine Wisdom in the Natural History of animals. By Philby Henry Gosse, F. R. S. 12mo., pp. 363. New by so doing, some means may be offered by York: Robert Carter and Brothers, No. 530 which our wants may be supplied. Broadway, 1857

leading British author) has given to the world. It is a very delightful and attractive volume, replete with the most wonderful and exciting kind and directly opposite the city of Green Bay. of informations (While its literary character is the highest order, and its statements contain about five thousand inhabitants, fully onethe results of the latest and most scientific research, it is everywhere pervaded by a fine, healthy Christian spirit. We could scarcely conceive of a more attractive family book for the Winter evenings. The perusal of it would expand the mind, by leading the reader to comprehend more fully the wonderful works of God; and, while his wisdom would thus be made manifest in objects which may have been passed by as unworthy of notice, the habit would be engendered of observation in reference to the natural world, which, in its influences, would be of incalculable worth in after life. We have had, again and again, to commend the works of Mr. Gosse, and we now express our satisfaction at finding this one brought before our

THE GIANT KILLER; or, The Battle which all must fight. By A. L. O. F., Authoress of "Claremont Tales," "Wings and Stings," "Adopted Son," &c. 18mo., pp. 185. New York: Robert Carter and Brothers. 1857. This is a little volume for the young. It is well written, and, although allegorical in structure, the personages and dialogues are so managed as to be attractive to the juvenile mind.

A RAY OF LIGHT to brighten Cottage Homes.
By the author of "A Trap to catch a Sunbeam," &c. 18mo., pp. 159. New York: Robert Carter and Brothers. 1857. This tale is well conceived, and the author has done his work well: The object of the writer is not to produce a romance, but merely give a picture of cottage life, and to show how a cottager's pastor was secured, supported mostly by the wife may make an attractive home for her husband, to which he will look forward with delight after the trials of the day. When dirt, crying children with broken tempers, sullenness and discontent appearing in the face of the wife, meals a working-man's home, what wonder is it that so many of the operatives of our cities betake themselves to scenes in which they come into contact and then, by force of a law of retribution, inflict an inexpressible amount of suffering on the wife who, by her own conduct, made home a scene of misery! The book is well written, and may do

phia: 265 Chestnut Street. 1857.

present year is now before us. We have exam- istence, as a body. ined it with much care, and we do not hesitate in saying, that it is one of the very best that the pecially those inclined to the O. S. Presbyeditor has yet furnished to the Church. In this terian Church, are anxious to have a stated

like this, would guard it with scrupulous watchfulness and jealousy, lest a single argument opposed to his own views, should be admitted to its pages. Here, however, we have the admirable letter inserted, which Dr. Thornwell addressed, so far back as the year 1853, to the Governor of South Carolina, on Public Instruction. This is well; and although the editor does not commit imself to ail the views in the letter, vet he recognizes its eminent merits, and justly gives it a place in the Repository.

THE PRESENTERIAN MAGAZINE. March, 1857. J. M. Wilson, 275 Tenth Street, Philadelphia. Edited by Dr. Van Rensselaer.

We would solicit the attention of our readers, and of the members of the Church generally, to the series of articles on the African race, by the editor, which has been commenced in this Magazine. The first number is here given, and the others are to follow in order.

THE WESTMINSTER REVIEW. January, 1857. New York : Leonard Scott & Co. The articles in this number are-I. Worldliness, and Other-Worldliness; The Poet Young. II. Capabilities and Disabilities of Women. III. English Law: Its Oppression and Confusion. IV. State of Parties in Italy since 1848. V. Revision of the English Bible. VI. Herat, and the Persian War., VII. Boiling Water. VIII. The Mysteries of Cefalonia; and Contemporary Literature. We need only point to this list, and to the well

known literary character of this Review. as a warrant in saying, that the number is a good one. As might be expected, the article on the revision of the English Bible is favorable to such an undertaking. It is not written with that virulence. or,tartness, which might have been expected in a ontributorate othis journal. The paper on Herat is extremely valuable; and we hope that every member of the British Government, and every Director of the East India Company been received with that acceptance which their may read it, and ponder well its significant statements. There is far more in the Persian war the pages of the work before us, we have been than the great mass of the English people have

#### For the Presbyterian Banner and Advocate Dedication.

The Presbyterian church of Guilford, Medina Co., Ohio, have been employed, the past year, in building a new church-edifice, which was dedi-cated to the worship of God on Thursday, the fifteenth day of January. The sermon, on the oc-casion, was preached by the Rev. James W. Hanna, of Canal Fulton, from 1. Kings viii: 27. But will God; indeed, dwell on the earth? It was an able and appropriate discourse, and was listened to by a large and respectable audience. The village of Seville, in which this house of worship is built, is a pleasant and flourishing village, about thirty-six miles South of Cleveland.

The Presbyterian church was organized, in this place, in June, 1831. Since its organization, there have been two secessions from it. The first was in 1836, and consisted of those who adopted the Oberlin views of theology. They formed themselves into a Congregational church, and have built a house of worship in our village. The second was in 1853, and consisted of Presbyerians, who left on account of the distance they and have built a neat and comfortable churched

On account of these secessions, the church of

with a view to other objects of interest. The commendation for the aid they have promptly

What we further need, is the gracious influence f the Divine Spirit to draw men to the sanctuary, and open their hearts that they may savingly attend to the dispensation of truth Divine. N

#### For the Presbyterian Banner and Advocate. A Revival-A Minister Wanted. FT. HOWARD, BROWN Co., WIS., )

February 9, 1857.

MR. EDITOR-Dear Sir :- I wish to call your attention, and through your paper, the both with regard to its importance as a field for church extension, and the peculiar circumstances in which, by the blessing of God, we are just now placed, hoping that

In the first place, permit me to say a This is a reprint of one of the most valuable word respecting the present and prospective works on Zoology which Mr. Gosse, (who is a position of this place. The village of Ft. Howard is situated on the West bank of the Fox River, about one mile from its mouth. third of whom live on this side of the river. The village is of about six years' growth, and is building up quite rapidly; and, from all appearances, will soon be the port through which the greater portion of the trade of Central and Northern Wisconsin will pass, as the route to the East, by way of the Lakes, is shorter and more direct by this, than by any of the other ports on Lake Michigan; and the opening of the Fox and Wisconsin Rivers, for steamboat navigation, gives us direct intercourse with the Mississippi River; besides which, there have been surveys made for three distinct lines of railroad, all intended to centre at this place.

These circumstances, together with the fact that the country all around is rich in pine timber and fertile lands, and is fast settling up by emigrants from the East, promise fair at no distant day, to give this place an eminent position among the cities of the North-West.

The foregoing considerations are certainly of sufficient importance to make it desirable that a branch of our beloved Church should be established here, that it might grow in usefulness and influence with the growth of the place. Yet, aside from these general points of interest, this place is, at this time, peculiarly in want of a settled preacher. Some two and a half years ago, an effort was made, on the part of a few persons, to establish a church in the village; and a village, and partly by the American Board of Home Missions. As those instrumental in forming the Society were of different denominations, it was thought better to organize an independent church; and it was accheerless and ill-served are the characteristics of cordingly called, The First Congregational church of Ft. Howard, although a majority of those forming it had been members of the Old School Presbyterian body, previous with debasing influences before which they sink, on under his ministry for about a year and to coming to this place. The church went a half, during which time a church edifice was erected, and nearly completed, mainly by the people of the village; and the prospects seemed fair for the establishment of the church. But the heart of the pastor HOME: THE SCHOOL, AND THE CHURCH; or, The Presbyterian Education Repository. Edited by C. Van Rensselaer, Corresponding Secretary of the Board of Education. Vol. VII. Philadel-world; and since that time, the Society bewas not wholly in his work; and at the end world; and since that time, the Society being without a leader, has become scattered, The volume of this admirable annual for the and can now scarcely be said to have an ex-

Yet a majority of the members, and es-

### PRESBYTERIAN BANNER AND ADVOCATE.

been enjoying a most precious revival season, under the labors of an Evangelist preacher, very successfully laboring in this section of he was elected and installed as an elder to the hearts of many people. About one Aten remained there thirteen years. He hundred and twenty persons, of all ages, have, then removed to Lewistown, or rather to slidden professors have been brought to see as an elder. Rev. James G. M'Ginnis came their errors, and to renew their vows. In to Lewistown the same time, and remained by a bridge of ice, and so long as it remains, who have so lately been awakened, will be installed as an elder in the West Jersey without those influences which the regular Church, and he still serves in that capacity. Christian services of Sabbath always give, which, even the most steadfast are often apt to grow cold and unconcerned.

The Methodists and Baptists are both making efforts to occupy this field; and there are some who would prefer a Presbyterian organization, who will likely unite with one or other of those, rather than be without a church-connexion. The churchbuilding before spoken of, is now vacant, and can be used for the present, and perhaps permanently if desirable. The necessary support for a pastor could be raised without much, if any, difficulty, and the writer teels confident that a church could be formed here, if we had an acceptable, minister, of from twelve to twenty mempers, and perhaps more.

Thus, Christian brethren of the East, we are situated; these are our wants and our desires: and cannot something be done to weather. He has been an elder more than supply them? Is there not some one just forty years, and is a good elder yet... entering the ministry that would desire to come and identify himself with this growing place, and build up a church here? or is there not some church that has been for years feasting on the preached Word, that would be willing for a season to fast, for the benefit of Christ's cause in this place? We call not for money, but for a man-for a leader, zealous and faithful, around whom we could gather for our own good, and for

the good of souls in this place. This place has a high character for salubrity in Summer; and the Winters, although older, are uniform and much more agreeable than in your changable climate. The writer is a native of Western Pennsylvania, remarks upon this subject to some extent in and naturally looks back there, as the bird the Maryland State Transactions; we conto the parent nest, for assistance. That it dense therefrom the main portions of this ay not be in vain, and that this field may article. speedily be occupied, is the sincere desire A Young Presbyterian.

ther particulars respecting this place, can do so, by writing to the address of W. P. B.

# Biographical.

For the Prosbyterian Banner and Advocate Sketch of the Life of Cornelius Aten.

MR. EDITOR :- It is pleasant to converse with those who, as Daniel Webster said in his address to the survivers of the battle of Bunker-Hill, have come down to us from a former generation.

The writer has been acquainted for almost five years with the aged father, a sketch of whose life is contained in the following narrative, and from whom it was obtained a few weeks since for publication, that we of the present generation may see something of the "travels of a pilgrim," who has been engaged in the service of our Master for more than three-score years.

Cornelius Aten was born Jan. 18th, 1766, n what is now the State of New Jersey, on the Raritan; but exactly at what point he cannot remember. His memory has somewhat failed, so that some points in his history must ever remain in obscurity. Yet, in many respects, he is still a sprightly old gentleman. He walks to church, or rides on horseback two or three miles, and returns the same day.

When he was but eight years of age, his father, John Aten, emigrated to York County, Pa., near to the village of Hunterstown, now in Adams County. This was two years before the declaration of Indepen-

Mr. Aten remained twelve years in York County, and then emigrated to the Western part of Virginia, and settled on the Ohio River, about thirty miles below Pittsburgh. Here he remained five years, when Cornelius, then twenty-five years of age, married Miss Sarah Bell, and after remaining still two years with his father, removed across the line into Pennsylvania. He remained there about two years, and then returned to his father's in Virginia. Remained there again about two years, and then removed to Erie County, Pa., where he resided twenty five years. He then emigrated to Richland County, Ohio, where he resided about eighteen years. Next, he emigrated to Fulton County, Ill.; remained seven years; thence he removed to Stark County, where he still resides. He has, for some years, made his home with his son, Aaron Aten. He still retained, till last June, the wife, in whose companionship he commenced the career of his manhood, at the age of twenty five years, and who, for the period of sixty-five years, had been the faithful companion of his travels and sojournings. When in New Jersey, his parents were connected with the Reformed Dutch Church; but sometime after they came to York County, Pa., they connected with the Presbyterian church at Hunterstown, of which Rev. Mr. Henderson was the minister.

Cornelius connected himself with the Presbyterian church in Virginia; soon after his marriage. After the family came to Virginia, they were without the preached Gospel, mostly, for some years. But after some time, Rev. Mr. Scott came out from New Jersey, or Eastern Pennsylvania, and preached a few times. The congregation then made out a call for his pastoral labors, and sent a team and brought his family. The call was moderated by Rev. Thomas

that which induces the writer at this time | When Cornelius was about thirty-one years | steal his fodder from a rack with narrow to move in the matter, is, that these two of age, he removed to Eric County, Pa., and spaces, as though he did not deserve his places, Green Bay and Ft. Howard, have united with the church at the Four Corners, keeping. It is thought that a horse will under the care of Rev. Mr. Eaton. Father waste his hay if he is fed from a manger; Aten was then chosen elder. When he but he will not, if he has good hay, given in the Rev. O. Parker by name, who has been came to Ashland, in Richland County, Ohio, proper quantities. the State during the present Winter; and there. Rev. Mr. Lee came the same year, you do yourself. Give him his breakfast, in Green Bay, for a few weeks past. His and remained two years. When he left, dinner, and supper, and nothing between meetings have been held in the Presbyterian Rev. Wm. Matthews came, and supplied meals. It is a mistaken kindness that keeps

attended by persons of all evangelical de- Hare came and supplied them one year. has more hay before him than he can eat up nominations, where they have heard the Here is a period, during which, I have not clean, he wastes it, or eats more than his true Word preached with power and effect, the history of that church, only that Father system requires. for the first time, proclaimed their faith in Fulton County, about ten miles from Lewis- four hours with nothing before him. Such Christ, and their determination to serve town, and united with that church, and, a course of treatment keeps his appetite Also, about an equal number of back- being inconveniently situated, did not serve all this, there has been no excitement; but about three years, and returned to Pennsyllas much as a man, and why should he not a calm, pervading spirit of inquiry after the vania on account of ill health. Then Rev. have it? A good horse deserves it. Betruth as it is found in the Scriptures, which Robert Steel came, and remained three years | cause he cannot complain of sleeping in the

above number, who reside on this side of County, and settled on the borders of the appreciate such favors as a good bed. He the river, is about one-fourth. The two congregation of Rochester, then under the will lie down during the day occasionally, places are now as if they were joined in one, care of Rev. Robert F. Breese, who was then | if he is well cared for. For Summer use, laboring with the churches of Princeville and saw-dust makes excellent bedding. It is all have free access to the churches in Green Rochester, the latter of which included the cool, sweet and even, and also keeps the Bay; but when Summer advances, and it is settlement of West Jersey. Soon after this, stall in a healthy condition. removed, they are separated by a river as a church was organized in this settlement. A supply of fresh, clean w wide as the Allegheny, at Pittsburgh, with- and was still supplied by Brother Breese out a bridge, and, consequently, in a man-till his death, in 1851. When the church I have noticed that my horse drinks the ner without preaching. And thus, those was organized, Father Aten was elected and

In the Summer of 1852, while laboring and which are so necessary to the mainte- as a licentiate missionary among the desticare of Peoria Presbytery, I became accequal to two quarts of oats daily.

quainted with Father Aten. In the Such attention paid to a good horse is by West Jersey and French Grove, on alter- is sure of his reward. - Maine Farmer. nate. Sabbaths, and continued eighteen months. Then the congregation called the Rev. John Turbitt to be their pastor, who remained eighteen months and then resigned his charge. Rev. James Ferguson has been supplying, that church almost the same length of time, and the congregation has made out a call for his pastoral labors, and Father Aten, now ninety-one years old, signs the call, as a member of Session, in behalf of the congregation. During the time of my labors there, he was seldom absent from public worship, but since that

time, he cannot always attend in bad John C. Hanna.

## Agricultural.

How Drouth Benefits the Soil.

That a season of extreme drouth—so often occurring, and so injurious to our Summer rops—should still prove beneficial to the soil, seems strange, but chemical science shows us that drouths are one of the material causes to restore the constituents of crops, and renovate cultivated soils. Prof. Higgins | erate expense.

Mineral matter is taken from the soil by the crops grown upon it, and also carried the plan of Charles Ellet, C. E., for main-P. S.—Any one wishing to learn any fur- away, by the surface water flowing, into taining a constant navigable amount of streams, and thence carried to the sea. water in the Ohio at all times, by building These two causes, always in operation, un- great dams or reservoirs on the mountainous less counteracted by other influences, would | tributary streams, to supply, during the dry in time render the earth a barren waste. months, a sufficient amount of water for The diminution which arises from the first navigation. Ellwood Morris, C. E., in an cause is in part restored by manures, but article in the January number of the Franklin not in all cases, and Providence has provided a way of its own to supply lost mineral and best plan. He states that the water constituents needed in the growth of plants. At intervals, drouths occur to bring up from the deep parts of the earth, food for the use of plants when the rains shall again fall. The manner in which drouths exercise their beneficial influence, is as follows:-During dry weather, a continual evaporation of water takes place from the surface of the earth, which is not supplied by any

by water rising up from the subsoil—the water from the subsoil is replaced from the lation of water in the earth is the reverse of that which takes place in wet weather. drying up of springs and wells, and streams

which are supported by springs. It is not, however, only the water which is brought to the surface of the earth, but Ohio river floods. also all the water holds in solution. These substances are salts of lime and magnesia, of | the conclusion, that on the most favorable potash and soda, and indeed whatever the view of the subject, an outlay of one million tain. The water, on reaching the surface, is in the channel of the Ohio; but on the evaporated and leaves behind, in the soil, most unfavorable view, a permanent navigaits mineral salts—the chief of which are tion of six feet may be maintained for twelve lime, magnesia, phosphate of lime, carbonate and solicete of potash and soda—and also common salt—all indispensable to the growth of the vegetable products of the farm. Pure rain water, as it falls, will disolve but a very small portion of some of these submatter in the soil, and thus acquires the property of readily dissolving minerals, on which it before could have very little in-

Several experiments tried by Prof. H. go to show this action of drouth in bringing matters to the surface of the soil. In one case he placed a solution of chloride of barium in the bottom of a glass cylinder, and then filled it with dry soil. After long exposure to the rays of the sun the surface of the soil was intested with sulphuric acid, and gave a copious precipitate of sulphate of baryta. Chloride of lime, sulphate of soda, and carbonate of potash were experimented upon in like manner, and upon the application of proper tests, the surface of the soil showed their presence in large quantities, drawn up by the rising of water from underneath, as in the case of drouth.

The parched earth—every green thing dwarfed in growth or withered by long-continued heat—seems suffering under an afflictive dispensation of Providence—yet we should not murmur; it is a blessing in disguise. The early and the latter rain may produce at once abundant crops, but dry weather is needed to bring to the surface food for future harvests from the depths of the earth, where else it would lie forever unlabor wears. employed. It is a needed means of keeping up the fertility of the cultivated soil.

The Horse in the Stable.

Let the horse feed as naturally as possiwolume, Dr. Van Renselaer presents an admiranounced by evidence of the brotherly split and large
he can be he evidence of the brotherly split and large
he have been furnished
with a long neck in order that he may reach
down to feed, as he does in the pasture, and
not that he may reach up to the split and large
he for the flown to these,
so of the same class, and having the same
at Charties and split and large
he for the flown that he may reach
lost fairly. The rolling stone gathers no moss.

18. If you would have your business done,
the flown to feed, as he does in the pasture, and
not that he may reach
lost fairly. The rolling stone gathers no moss.

18. If you would have your business to the flown that he may reach
lost fairly. ble in the stable. He has been furnished

The best horsemen say, feed a horse as church, (N. S.) in that place, and have been the church about two years. The Rev. Mr. hay continually before a horse. When he A horse should have enough to eat. and

then, if not in use, should stand three or keen, and he relishes his dinner.

Let him have a generous supply of good bedding. A horse enjoys a good nice bed, convinces all that it is really the work of or more, and died. A short time before his wet and dirt of the stable, or on hard plank, the Holy Spirit. The proportion of the death, Father Aten removed to Stark let no man think that his horse does not

A supply of fresh, clean water, is indispensable to the comfort of man and beast. eight o'clock in the evening.
Grooming is one of the civilities of the stable, and ought to be attended to daily. It not only causes a house to look well, but nance of a Christian spirit, and without tute portions in the bounds and under the it promotes health. A faithful groom is

> Autumn of that year, I commenced labor no means like "casting pearls before swine. ing as a Stated Supply in the churches of He who does it, and treats his horse kindly,

## Miscellaneous.

Improving the Ohio River.

This subject is still being agitated, and its importance is becoming more obvious from year to year. The Pennsylvania Legislature is urging the subject, and Congress is about making an appropriation for further surveys and examinations. It is hence time for all who feel an interest in having the thing done, and done rightly, to contribute their aid. We claim to be of this number. To have six feet of water at the low est season, and but little interruption from ice-what a consummation! And we believe it practicable—especially the six feet of water. But to have five feet, or four, or even three feet at the lowest time, would be an immense benefit; and especially if not interrupted by lockages. This we believe to be entirely practicable, and at a very mod-

The plan of Charles Ellet, is given with favor, in the Scientific American of Feb.

21st. We present an extract: "Our constant readers are acquainted with Journal, conceives this to be the most feasible draining away by the channel of the Ohio river, as measured day by day at Wheeling, Va., by Mr. Ellet, if regulated by reservoirs. is more than adequate to the maintenance of a navigable depth of six feet throughout the year. That six feet depth of navigable water is ample to maintain a permanent steamboat navigation, and also to keep the river clear of stoppage by ice. That by employing from the clouds. The evaporation from the receiving and regulating reservoirs of small surface creates a vacuum, (as far as the size, frequently filled and emptied, a naviwater is concerned,) which is at once filled gable depth of five feet could be maintained by means of an outlay of only one million of dollars, and by using six large artificial lakes, next below,—and in this manner the circu- a navigable depth of six feet can be permanently maintained by an outlay in reservoirs of twelve million of dollars. That the Tais progress to the surface, of the water in reservoirs, constructed of imperishable mathe earth, manifests itself strikingly in the terials, will require no repairs, when once properly finished. The six artificial lakes of the size contempleted, could not fail to exert a material influence in moderating the

"In regard to cost, Mr. Morris arrives at subsoil or top strata of the earth may con- of dollars will maintain a current of five feet millions.

"Some may object to this method of improving the Ohio river, on account of the magnitude of the works proposed and the cost of keeping them in repair; but this is not the age for tolerating such objections. stances, but when it sinks into the earth it The simple question that ought to be considthen becomes strongly imbued with carbonic | ered is, "will such improvements pay?" If acid from the decomposition of vegetable they will, the sooner such works are commenced the better for all concerned."

Poor Richard's Maxims.

These maxims, by Dr. Franklin, though often printed, lose nothing of their value by repetition:

1. Plough deep while the sluggards sleep, and you will have grain to sell and to keep. · 2. Pride is as loud a beggar as want, and a deal more saucy. 3. Silks, satins, scarlets and velvets put out the kitchen fire. 4. Diligence is the mother of Good Luck.

5. Pride breakfasted with plenty, dined with poverty, and supped with infamy. 6. Extravagance and improvidence end at the prison door. 7. It is easier to build two chimneys than keep one in fuel.

8. If you would know the value money, go and try to borrow some. 9. The eye of the master will do more work than both his hands. 10. What maintains one vice would bring up two children. 11. He that goes a borrowing goes a sor-

rowing. 12. Rather go to bed supperless than rise in debt. 13. Sloth, like rust, consumes faster than lator wears.

14. A life of leisure, and a life of laziness, are two different things.

15. Three removes are as bad as a fire. 16. Creditors have better memories than debtors. 17. The rolling stone gathers no moss.

RATES OF DISCOUNT.

CORRECTED WEEKLY FOR THIS PAPER. NEW JERSEY & DELAWARE. PENNSYLVANIA. PENNSYLVANIA.

Banks of Philadelphia.

Bank of Chambersburg,
Bank of Gettysburg,
Bank of Middletown,
Bank of Newcastle,
Eric bank,
Farm. & Drov. Waynesb'g,
Franklin bk. Washington, I
Harrisburg bank;
Honesdale bank,
Bank of Warren,
York bank,
Relief Notes,
All other solvent banks,

OHIO. par All solvent banks, ar All solvent banks,

All solvent banks,

NORTH CAROLINA.

All solvent banks,

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