

CLOUDS, RAINS, AND RIVERS.

From Tyndall's 'Forms of Water in Clouds and Rivers.'

Every occurrence in Nature is preceded by other occurrences which are its causes, and succeeded by others which are its effects.

When we enter upon the study of rivers and glaciers, our interest will be greatly augmented by taking into account not only their actual appearances, but also their causes and effects.

When does the earliest streams derive water? A brief residence among the mountains would prove to you that they are fed by rains. In dry weather you would find the streams feeble, sometimes you would find them dried up.

But we cannot end here. Whence comes the rain which forms the mountain streams? Observation enables you to answer the question. Rain does not come from a clear sky. It comes from clouds.

Permit the steam as it issues from the pipe to pass through the flame of a spirit-lamp, the cloud is instantly dissolved by the heat, and is not again precipitated.

Produce the cloud, in the case of the locomotive and kettle, heat is necessary. By heating the water we first convert it into steam, and then by chilling the steam we convert it into clouds.

Report of the Mutual Farmers' Club of Frederick County.

Pursuant to adjournment the Mutual Farmers' Club met December 21st, at the residence of Louis H. Hogg, at Hogg's Tavern, near the depot.

The premises were then viewed. The attention of the club was called to a fine yielding soil, also a good yoke of oxen which rendered valuable service during the prevalence of the horse malady.

Second-When is the best time to market grain? Referred to Daniel T. Wood.

Third-What stock the best to handle the coming year. Referred to David F. Shoemaker.

An animated discussion then arose on the subject of the proper method of hitching horses to and unhitching them from wagons, farming implements, &c.

The time being now too limited to discuss the question propounded at last meeting, what is the best method of preparing corn, it was continued until next meeting.

CAUSE OF POWER IN THE RIGHT HAND.—In a paper read before the Geological Society in London, Dr. Ogle states his belief that the superiority of the right hand in work requiring strength and skill, is not due merely to custom and usage.

WITHIN EIGHTY MILES OF THE MOON.—From the two "spectacle glasses" which formed the first telescope made by Hans Lippersheim, of Middleburg, Va., a strong lens has been made!

THIS IS TO GIVE NOTICE.—That on the 15th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of Andrew J. Ligon, bankrupt.

TO WHOM IT MAY CONCERN.—The undersigned, Wm. H. Alderdice, of Richmond city, Va., hereby gives notice of his appointment as assignee of the estate of Andrew J. Ligon, bankrupt, in said district, who was on the 12th day of November, 1872, adjudged bankrupt on his own petition by the District Court of the Eastern District of Virginia, on the 13th day of December, A. D. 1872.

TO WHOM IT MAY CONCERN.—That on the 14th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of James T. Conkling, of the county of Henrico in said district, who was on the 9th day of November, 1872, adjudged bankrupt on his own petition by the District Court of said district.

TO WHOM IT MAY CONCERN.—That on the 13th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of Henry Heberg, of Richmond county and State of Virginia, who has been adjudged a bankrupt on his own petition by the District Court of said district.

TO WHOM IT MAY CONCERN.—That on the 13th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of Henry Heberg, of Richmond county and State of Virginia, who has been adjudged a bankrupt on his own petition by the District Court of said district.

BANKRUPT NOTICES.

THIS IS TO GIVE NOTICE.—That on the 6th day of Dec. A. D. 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of R. W. Goode, of Chesterfield county and State of Va., who has been adjudged a bankrupt on his own petition.

TO WHOM IT MAY CONCERN.—The undersigned, Wm. H. Alderdice, of Richmond city, Va., hereby gives notice of his appointment as assignee of the estate of R. W. Goode, bankrupt, in said district, who was on the 24th day of Oct'r, 1872, adjudged a bankrupt on his own petition by the District Court of said district.

TO WHOM IT MAY CONCERN.—The undersigned, Wm. H. Alderdice, of Richmond city, Va., hereby gives notice of his appointment as assignee of the estate of R. W. Goode, bankrupt, in said district, who was on the 24th day of Oct'r, 1872, adjudged a bankrupt on his own petition by the District Court of said district.

TO WHOM IT MAY CONCERN.—That on the 15th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of John M. Eastwood, of the county of Albemarle in said district, who was on the 12th day of November, A. D. 1872, adjudged bankrupt on his own petition by the District Court of the Eastern District of Virginia, on the 13th day of December, A. D. 1872.

TO WHOM IT MAY CONCERN.—That on the 14th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of Thomas H. Brooke, of Caroline county and State of Virginia, who has been adjudged a bankrupt on his own petition by the District Court of said district.

TO WHOM IT MAY CONCERN.—That on the 14th day of Dec'r, 1872, a warrant in bankruptcy was issued out of the District Court of the Eastern District of Virginia, against the estate of James T. Conkling, of the county of Henrico in said district, who was on the 9th day of November, 1872, adjudged bankrupt on his own petition by the District Court of said district.

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AUCTION SALES.

By W. Goddin, Auctioneer.

By S. N. Davis, Auctioneer.

ASSIGNEE'S SALE.

By S. N. Davis, Auctioneer.

By S. N. Davis, Auctioneer.