CALCAREOUS MANURES. BI-CARBONATE OF LIME. Application of Lime to Land.

(Continued.) Most varieties of subsoil strata make good compounds with lime .-Sand and lime, with peat or turf, if it can be obtained, should be mixed for a elayey soil; and subsoil clay and lime, for sands, gravels, loams, and peaty lands. No farmer need complain of want of materials to make fertilizing compounds, since Full every sort of soil may be used for this purpose; and not only is immediate fertility produced thereby, but there are few districts in the country, however barren, that may not be improved, or brought into a fertile state, by dressing with a well-proportioned mixture of earth, clay, sand and lime. Care should be taken. however, to proportion the quantity of lime according as the land is light or heavy, cold or warm. Light soils have been hurt by too abundant application of lime; and while one part of lime to form six or ten parts of earth may do for light soils, one part of lime to two, three, or more parts of earth, will be required for heavy

The application of lime, alone, to land long under tillage, is often found not to be beneficial; but, if the same quantity had been applied in a compound state, with sand, turf, earth, clay, or vegetable mould, good effects would have resulted. On deep loams, lime may be applied in a caustic state, more frequently than to most other soils; but the testimony of experience is in favor of its being used in a compound state.

Quicklime has the effect of disengaging and setting free the ammonia from guano and from fermenting manures. It is prudent, therefore, and a safer practice to apply the lime a short time before or after such manures have been laid upon the land. Where the soil is moist, and FARM FOR SALE. manures have been laid upon the abounds in vegetable matter, there may not be much loss, should the lime and other manures come in contact beneath its surface; but in dry soils, and on the surface of the land, the admixture of the two ought to be carefully avoided. After the lime has been some time in or on the surface of the soil, and converted into a mild state, it can exercise no injurious effect upon any kind of manure

The most valuable variety of lime for agricultural purposes is that obtained by burning oyster-shells, and allowing it to remain exposed to the air a few hours to slack. Quarry lime is not so good on account of the magnesia which it often contains, and from its small quantity or total want of phosphoric acid. The quantity used must depend upon the nature of the soil, and moisture, heat, or cold, of the climate; for, whilst 80 bushels to the acre are sufficient for sandy soils, loams will require 100, and clay 150 bushels. Again, in a hot sun, like that experienced in most parts of the United States, the quan- dles, tity should not be more than half as much as in Great Britain, where the Har-Climate is cloudy, cool, and moist. It must be regularly spread, and lightly covered immediately with a plough, or harrowed in with the seed, I A I I but not too deeply, for lime, as a general rule, should be kept near the surface.

Those unaccustomed to the application of lime or charcoal to land, by sowing or spreading them upon the surface, are often at a loss to know how thick a coat to put on in orde to dispose of a certain number of bushels to an acre. Therefore, I show at a glance, in the following table, the depth, to the nearest thousandth part of an inch, a given num-ber of bushels will cover an acre of ground, assuming the bushels to contain 2,150 42-100 cubic inches; also, the number of bushels necessary to cover an acre of land to a requir-300 bushels s read to an acre, the If the depth be one inch, it will require 2,916 937-1000 bushels to cover the surface of an acre an inch deep:-

per acre	Inch decimals	Inch decimals	Bush'ls.decimal
20	0.007	1.0	2,916.937
	0.010	0.9	2,625.249
	0.014		2,333.550
	0.017		2,041.856
	0.021	0.6	1 750.162
	0.024		1,458.469
	0.027		1,166.775
	0.031	0.3	875.081 583.387
	0.069	0.1	
	0 103	0.1	

(TO BE CONTINUED.)

published every Wednesday in the borough fo Butter C. E. Andreason in the Arbitration room in the part House. Court House.

TREMS:—\$2.00 a year, if paid in advance, or within the first first six months; or 250 if not paid, until after the expiration.

the first first six months; or 250 if hot para, united expiration of the first six months.

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OSITIVELY BE PAID IN ADVANCE. C. E. ANDERSON, Editor and Proprietor. Dec. 5 1866

Miscellaneous Advertisements. STRA YSTEER.

CAME to the residence of the subscriber in Frink in township, jon New Castle road, five miles will be fluid; journal to the first property of the fluid of the fl

OF REAL ESTATE.

D' virtue of an order and decree of the Orphan's Court of Butler county, the undersigned, Administrator of Philip Dillaman. dec'd will expose to sale by public vendue, on the premises on Priday the 25th day of January, 1807, at 10 o'clock, a. m., the following real estate, stuate in Brayer on the morth by land of United Marrian, on the east by lands of Nichous Carrican, on the south by Jand of Nichous Carrican, on the south by Jand of John Barker, and west by lands of Henry Double, containing 30 ACRES,

ore or less.

TERNSOF SALE:—One-third of the purchase money on hand, and the balance in two equal annual installments, with interest from confirmation of sales.

JACOB ROHBER,
Administrator.

Orphan's Court Sale of Real

virtue of on order and decree of the ourt of Butler county, the undersigned r of Wm Reighart, will expose to saie, due, on the premises on Friday the 25 or

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Dec. 12 1996.3m) CHRISTIAN SEIBERT.

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May 23, 1866;;1y.

The American Citizen. The Tribune for 1867.

re definite announcement, rients of Impartial Justice and Progress! we gree to the bright prospects before us. Friends of Thounce we have appeal to those who believe that an inseed circulation of The Tribune would conduce to the tical, intellectual, and moral wellbeing of the Rellet, to aid as in effecting such increase. us in effecting such increase.

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over, addressed to names of subscri-

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Orphan's Court Sale. virtue of an order and decree of the ourt, in and for the county of Butler, I, Guardians of the minor children and s. Thompson, late of Cherry township.

(AME to the residence of the subscriber, living in Worth tp., on or about the eighth of Dec., 1806 a brindle steer; supposed to be sletteen two or three years old. No marks vasible. The owner is requested to the will be depicted of accordance and take him away or jan. 9, 3w

JOHN SCOTT.

One Door South of J. M. Thompson' Law Office, IN BUTLER, A NNOUNCES that he is now opening and receive

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