

AGRICULTURAL.

Soils and Their Material. Soils are named from the amounts or proportions of the various substances which enter into the formations.

If a soil consists of sand, it is called sandy soil.

If the largest portion is clay, it is called a clayey soil.

When fine predominates, it is called a silaceous soil.

These substances may exist together, but in different proportions, in the same soil, in which case it usually receives a distinct name.

A mixture of sand and clay with a small portion of lime is called a loam.

If it contains much lime, it is called a calcareous loam.

It is composed of clay with much lime, it is called a calcareous clay.

A certain proportion of these substances has given specific names to soils.

Fine clay, which is commonly called pipe clay, is composed of about sixty parts of silica, and forty parts of alumina, with a small quantity of oxide of iron. This kind of clay contains no soluble sand which can be separated by washing with water. It forms but a small quantity of soil, and is found in comparatively few localities.

The clay forms the strongest of clay soil.

It consists of pure clay mixed with from five to fifteen per cent. of soluble sand, which can be separated from it by boiling or washing.

Clay loam contains from fifteen to thirty per cent. of clay, which can be separated by boiling. The different parts of this soil may be very easily separated, and is consequently more easily worked. Such soil is very properly sought for in the selection of a farm.

A loamy soil contains from thirty to sixty per cent. of sand, which is retained so loosely that it can be readily separated from it by washing.

A sandy loam leaves from sixty to ninety per cent. of sand.

A sandy soil consists mostly of sand and contains more than ten per cent. of clay.

In a sandy soil the proportion of lime must be more than five per cent., but less than twenty per cent.

Marks are called sandy, loamy and clayey, in accordance with the proportions they may contain of these substances, provided they are free from lime, or do not contain more than five per cent. of this material.

Silicas are denominated calcareous when the proportion of lime exceeds twenty per cent., and thus by its quantity becomes an important constituent.

There are also calcareous clays, calcareous loams and calcareous soils, which take their name from the proportion of clay and sand which they may contain.

Vegetable mould is sometimes a prominent character of a soil.

In peaty soils its proportion may be equal to sixty and sometimes as much as seventy-five per cent.

Garden mould contains no more than five per cent. of organic matter.—*Ag. Cheshire.*

ARRANGEMENTS. 1862.

of New York Lines. THE CAMDEN AND AMBOY AND PHILADELPHIA AND TRENTON R. R. CO'S LINES. From Philadelphia to New York and Way Places, from Walnut street Wharf and Kensington Depot, will leave as follows, viz.—

At 6 A. M., via Camden and Amboy, (and Accommodation) 82 25

At 6 A. M., via Camden and Jersey City, (Morning Mail) 2 25

At 12 P. M., via Kensington and Jersey City, (Evening Express) 3 00

At 4 P. M., via Camden and Jersey City, (Evening Mail) 2 25

At 6 P. M., via Kensington and Jersey City, (Evening Mail) 3 00

At 12 P. M., via Kensington and Jersey City, (Morning Mail) 3 00

At 12 P. M., via Camden and Amboy, (Accommodation, Freight and Passenger, First Class Ticket) 2 25

Sound Class Tickets, 1 50

For Water Gap, Streightown, Scranton, Wilkes-Barre, Montrose, Great Bend, etc., at 12 A. M., from Kensington, via Delaware, Lackawanna and Western Railroad.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Kensington Depot, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown, Lehighville, Frelinghuysen, &c., at 12 A. M., from Walnut street Wharf, and at 2 P. M., via Walnut street Wharf.

At 12 P. M., via Allentown, Bethlehem, Elizabethtown,