PITTSBURGH GAZETTE

ROOTS CANNOT GROW WITHOUT LEAVES.—It is a well-known and well-settled principle in vegetable physiology, that no part of a plant can grow without the assistance derived from the leaf, which decomposes and re-arranges the crude materials of the food of plants, and thus forms new wood.

For this reason, a very simple and easy way to kill a patch of Canada thistles or any other weed whose roots spread wide and extend deeply into the soil, is by keeping the tops cut off or the leaves smothered, so that no food can be furnished to the roots below. A few months of starvation in summer will destroy the plants.

For the same reason, clover or any other thing will expend the growth of their roots more rapidly and freely if a larger top is permitted above ground than if closely pastured.

The following statement, not wholly new, from a source that we cannot at this moment give, is a further corroboration. The "curious circumstance" mentioned, exists the same with any other plant, as with clover:

Agricultural Experiment.—A curious circumstance connected with the growth of clover is, that by cutting the clover twice and removing all the hay, a much better wheat crop is obtained than by feeding it off with sheep, even if some artificial food is used. This is owing to the fact that the growth of the roots of clover in the land is in exact proportion to the growth of the leaves in the air. Each leaflet that shoots upward sends a radicle or root downward. If the leaflet be bitten off or destroyed, its radicle ceases to grow. It therefore follows that grazing clover by sheep materially diminishes the amount of vegetable matter accumulated in the soil by the roots, and consequently the produce of the succeeding crop.

The above is sustained by the following:

"A friend of mine in Northamptonshire had a field of clover; it was divided into two portions; both were cut at midsummer, and one part was then fed off with sheep, and the other left to grow till September, when it was again cut and the hay removed. Equal portions of the several places were then compared. Where the clover had been cut once and fed off, he got 35 cwt. of clover roots per acre. Where he cut twice, he got 76 cwt; there being a difference of two tons of vegetable matter per acre.

BOOKS, MUSIC, &c.

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H. KLEBER & BRO., have received and for sale lot of the above Instruments which they warrant equal if not superior to any others made.

Harmonium with 5 stops made by SCHIEDMAYER, Stuttgard, Germany.

Harmonium with 3 stops by Trayser & Co., Stuttgard.

These Instruments have been examined by the Professors and unanimously pronounced by them, as possessing the most perfect evenness of tone, fully equal to 2 pair of volume and sweetness of tone, fully equal to any small Church or parlor Organ.

Persons wishing to purchase can call and see them with the Professors.

MELODEONS MADE BY OAKHART & NEEDHAM, N. Y.

It is almost superfluous to say anything in their favor. The reputation earned by CARHART is the original inventor of the Melodeon and the superiority of his instruments has never been questioned. The numerous orders for them every year speak for themselves. The last few years have seen important improvements in the Instrument, which, while it enriches the tone, renders it more powerful and greatly variety of effects. Purchasers are requested to examine and convince themselves of the superiority of the tone which will be sold on the most reasonable terms by H. Kleber & Bro., No. 53, Fifth street.

P. S.—A fresh stock of NOTES & CLARK'S and other Pianos on the way. jal1

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IS just receiving a large stock of Pianos of the latest styles, from the manufactories of RAUHARDT & LUDIS, Hamburgh:
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Arrangements have been made with the manufacturers by which their agents are solicited to call at their establishments on each and visit the different factories, which will enable them to select Pianos to suit the taste of purchasers, without the cost and risk of transportation.

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NEW BOOKS! NEW BOOKS!!—Grace

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All the March Magazines received as soon as issued.

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BEAUTIFUL ENGLISH TOY BOOKS,

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NEW BOOKS recd March 7, by J. S. DAVISON, 65 Market st. near 6th.

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