慶應義塾大学学術情報リポジトリ

Keio Associated Repository of Academic resouces

Title	A Modification of the Ricardian Theory of Rent.
Sub Title	· · · · · · · · · · · · · · · · · · ·
Author	Buchanan, D.H.
Publisher	慶應義塾理財学会
Publication year	1915
Jtitle	三田学会雑誌 (Keio journal of economics). Vol.9, No.5 (1915. 5) ,p.506(30)- 513(37)
JaLC DOI	
Abstract	
Notes	論説
Genre	Journal Article
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00234610-19150501-0030

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって 保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

Modification of the Ricardian Theory of Rent

Criticism.

production for that of treatment. would claim ture there is piece of land used for producing Among the different modifications of the classical to follow one that appears more often than any other-The modification referred to is the one which holds that if a rent is paid for the poor-Ricardo and in the any given commodity, that rent is a part of the marginal cost writings of others who would dissent from his whole method theory of rent found in modern economic litera-It is found in the writings of authors who <u>۵</u>,

for the land incurred at TOWN settlement governs somebody In qualification of this statement it must be added that a rent charge comes into play in somebody who requires it for another purpose. The marginal factory in the outskirts of a least to its rentable value for agriculture in marginal cost, and therefore entering price of the article produced in the factory." margin, is an unavoidable element in marginal cost, and therefore enters into the he article produced in the factory."

the marginal land used for gardening will yield a rent for wheat, the value of

+ The modification put forth by J. S. Mill has been Enterprise", p. 189) but it is an entirely different theory.

(1) Chapman—, "Political Economy", p. 217.

(2) Patten—, "The Theory of Dynamic Economics", p. 58. grouped with this one (See Davenport, " Economics of

the marginal of the land w land when used (1) "In the produce of garden products must equal the cost of the labor employed plus the rent then used for wheat."

marginal (1) or no-wheat-rent)

marginal (2) element "In the cost of wheat, therefore, there must always be included the rent which the ron-wheat-rent) land would earn if employed for the next lower use."

"Rent is thus composed usually of a differential and of a marginal element.....the ement must be paid by all enterprisers engaged in the given branch of production and so as an element in the normal expenses of production."

hence figures as an element in the normal expenses of production.

(3) "Though the worst grazing land may pay no rent, the worst wheat land might be better for grazing than the worst grazing land, in which case it can only be obtained for growing wheat by paying a little more than its differential rent for grazing purposes; this rent for the worst wheat land will be a positive rent and will enter into wheat prices;....."

enter the owner of (4) "That the farmer of the marginal wheat land, (formerly grazing land) must pay owner of this land an amount that is equal to its rent as grazing land must be admitted must also be admitted that as this is a payment at the margin of wheat production it will be rerected to the determination of the price of wheat."

and inconsistent with the facts. Ricardian reasoning, assuming that the two doctrines are in entire harmony (5) to be inconsistent with the Ricardian reasoning. Furthermore, it seems to be This theory is sometimes presented as supplementary to an analysis based on straightforward Its inconsistency, Ħ both cases, seems 6 be due to its building fundamentally in error It appears, however,

Seligman-, " Principles of Economics", 5th ed. Revised, pps. 377-378

³⁸ Principles of Economics," p. 240.

Hobson,- "The Economics of Distribution," p. 120-121

Macfarlane,-"Value and Distribution" p. 130.

See Chapman,-"Political Economy," Chapter VIII.

which seems to be and labor. (1) poorest land for any use the same as than by the fact that different increments of the same supply are produced at varying costs in capital non-essential rather than upon the essential principle in Ricardo's theory. on the ground that different It neglects the fact that diminishing erroneous. on the better. It thus comes to a particular view of the margin pieces of land have different powers in production, rather returns are universal; that they appear on the It undertakes to

returns to successive applications of capital and labor to the same landif the real on either the intensive or the extensive margin. of different pieces of land, or it may be due to the varying returns gotten by of capital and labor to the same piece of land. ments of the same supply. The Ricardian theory of rent better grades, there will be varying costs from both causes, of no-rent land. in this case, not to the varying powers of production of different pieces of land, but to varying For a clear explanation of the phenomena we must think of varying cost in capital and labor extensive margin has It is based upon variation in the capital and labor costs of the different incre-This variation in cost may be due to the varying powers of production is not based upon variation in fertility or situation, or on the exisdisappeared, we will find marginal produce only on the intensive If no-rent land is to be had for a If no-rent land is not available for that use, that and we may find successive given use, marginal produce applications

The fact that rent may be explained without reference to the varying fertility or situational advanof different in the statement that if all land were equally desirable and there were sufficient of land has been made clear by almost every expounder of the Ricardian demand for

(1) Thruout this discussion, "capital and labor cost" is taken to include profits necessary to secure production

outline. be a rent. product 0 is made perfectly clear by cause cultivation to be carried past the point of diminishing returns, there would still Ricardo himself, although he presents his idea only in barest

with arent invariably proceeds from the employment of an additional quantity of labor onally less return."

by the employment of a second capital of £ 1000, he obtain a further return of 85, his lord would have the power at the expiration of his lease, of obliging him to pay fifteen quaror an equivalent value for additional rent; for there cannot be two rates of profit." proportionally less return) "If with a capital of f £ 1000, a tenant obtain 100 quarters of wheat from his land, econd capital of £ 1000, he obtain a further return of 85, his

sider a part marginal. In the last quotation above, Ricardo would consider the first 100 quarters as infand the last 85, if they made up the last increment which it paid to produce, as marginal. diminishing returns would appear in the same way on the poorest land for a given use and in consis-Rent being paid for that land they take it as a use as "marginal" and consider all units of the supply produced on that land as "marginal" (3) he would be comelled to use the the same reasoning with regard to it. Proponents of this modification of the classical theory seem to think primarily of the differences only of those units as marginal and the others, power among different pieces of land. marginal cost. They speak of the if the land commanded a rent, as infra-Strict Ricardian reasoning would confirst 100 quarters as infra-marginal poorest piece of land for a Again Ricardo says Certainly

on that quality of land, or with that portion of capital which pays no rent" "The value of corn is regulated by the quantity of labor bestowed on its production

H

o,- "Principles of Political Economy and Taxation," Ch. II, section 26.

(3) See particularly the quotations above from Seligman, Chapman, Macfarlane and Patten.

o,- "Principles of Political Economy and Taxation" Ch. II, sec. 27.

by the second application would have no rent in their cost of production. tation above would pay no rentfor the use, pays a rent. evident that some of the capital (and, we would say, labor) applied on this poorest land But that portion of it which corresponds to the second £ 1000 in the quo-And the units of supply corresponding to the 85 quarters produced

If the proorest land for a given use commands a rent, it indicates that it has become

supply outlay of capital and labor necessary to produce the units gotten from that land is less than it on this piece of land is not of that kind. Only "the last be if all those work produced at the greatest disadvantage, regardless of what piece of land they may come from. its product to be profitable to of any product coming from the intensive margin on all the better grades of land. It has now that land, as well as the better grades, past the point of diminshing return; theory departs from the Ricardian theory when it considers a certain piece of land and units as marginal rather than considering as marginal only those units of the supply which portion obtained" is the were as difficult work even the poorest piece of land until an intensive margin has to produce as some which Under free competition there will always be units of the real marginal produce and some it still pays to produce of the that the supply grown profitable appeared there. would entire

each contains an element of rent, it would seem reasonable to say that the amount of rent in in of each is the same. Since all have the same price, if there is the same amount of rent in but on the poorest land for the use they are not to be found. Certainly, at this point, each of these increments grown on the poorest land for the use is marginal, and the cost of remaining part, capital and labor cost, must be the same in all. That is, costs vary on better here they are uniform. it would seem reasonable to say that the amount of rent in the cost Diminishing returns appear on the better grades of land this theory is each,

out of Harmony with the Ricardian reasoning and also with the facts. It has been made clear that costs are seldom uniform (I) and it seems that they cannot be taken as uniform in this case. It would be only an accident if they were in one instance and certainly they could not be in every instance.

land is very minimum necessary outlay,-for instance if the land is used for agriculture, an amount sufficient be considered the same for each unit gotten. from a given piece each unit of supply slight preparation of the soil, to furnish and plant the seed and to harvest the crop,-the costs may ğ seldom found in use. the case in of land are uniform. gotten by more in which which there is no rent. It would also be only an accident if costs continuned the same for we may suppose that the costs of all units of the supply coming intensive working. But in that case there can be no rent as a price determining But even this very seldom happens, for actual no-rent If the return is just sufficient to replace the to make

permanently higher than that outlay, there room for rent, there must be a difference t remain higher than the when it Again increment assumes that the selling price of an this theory on this poorest (or on some better) piece of land. seems to be out of harmony with the Ricardian theory and with the facts, the selling price of an increment of the commodity can, under free competition, capital and labor outlay a difference between selling price and capital and labor costcan be no element of rent in its price; for in order to leave necessary to produce, Unless its price does remain by more intensive working,

than the "dose." condition the outlay necessary to produce the unit is not greater than the price of the unit in the market. competition will force the occupier to produce more, even at increasing costs, so long as the situation return to an If there S impossible if we take for granted a condition of free competion an additional "dose" of capital and labor cannot permanently be e" of capital and labor cannot permanently be greater greater than the outlay necessary to produce another

(1) Bullock,- Quartery Journal of Economics, August, 1902.

三五

郭九纶

and is the basis for Ricardo's contention that prices are forced up by costs other than rent; that is not a cause but an effect of high marginal cost. vely crowding production until the additional outlay equals the additional product, he is failing to necessary the highest owner-occupant fails to additional competitive price for his land. fails to force his tenant to pay for the surpluses which would be secured by successioutlay, he is failing to appropriate pure bonuses which are his for the willing and produce every This principle holds on every grade of land for every additional increment which will sell for more than the rent get

under discussion the increments of the supply which are on the margin of not being produced at all, it just pays Both sorts of increments would have been produced on this piece of land even though poorer land had increments from which are the marginal increments, increments grown been available at no marginal units, they have come nds a rent is no exception to the general truth of the Ricardian theory. returns, than on land in that use, It appears, outlay necessary to produce them. producers have chosen to sum of the same sort of ó the poorest produce on then, that the case in which the poorest land in use for a given the no-rent land available. it indicates that capital and labor on the poorest piece of land, for a given use, constitutes the rent. any of the pieces of land. piece of land for they In either case all infra-marginal units sell for more than the capital and to produce both marginal and infra-marginal increments on this land. work the occupied land more intensively. differentials constitutes the rent of any piece are not all those from the The sum of these differentials for the various infra-marginal Instead of taking up no-rent land to satisfy the larger demwill pay a surplus. costs are less on that land, even at diminishing There poorest piece of land is no question about producing some There is question only about If rent arises on the poorest Instead of producing only of land. rent of that land, just commodity commabut those which In the case

rent charge the last ones that it is profitable to produce on all pieces of land in that use. in the cost of producing these marginal units H. Buchanan Ħ any case there īs.

trine

land, itself, would

wheat is

therfore, there must always be included the rent which the marginal (or

contradiction of the former part of the statement quoted above.

Seligman says (2) "In the cost of wheat, therfore, there must always be included the rent which the margina no-wheat-rent) land would earn if employed for the next lower use."

The phrase, "no-wheat-rent land," evidently means land which will pay no rent when farmed in wheat. But tainly a land-owner would not use such a piece of land for wheat if it would command a rent for some other crop.

In the cost of the statement quoted above,

Seligman says (2) "In the cost of the margina no-what which the rent which the margina no-wheat rent for some other crop.

In the cost of wheat, there must always be included the rent which the margina no-wheat in the rent which the margina no-wheat rent for some other crop. will yield a rent of \$ 2 p y raising a no-rent-paying crop when he knows of a crop that will pay a rent. If his per acre for pasture and nothing for wheat it will be used for pasture and not for wheat But cer-crop. He

^{(1) &}quot;Principles of Political Economy, (2)" principles of Economies "5th E Bk. Ch.

Ed. Revised pps. 377-378