## REPORT

ON THE

# Third Regular Wages Survey 

OF THE

## PUNJAB

TAKEN IN

## DECEMBER 1922.



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## Punjab Wages Survey, 1922.

1. In order to adequately understand any material thing; The object of a individual or institution it is first desirable to wage censas. know the object for which that institution exists.s And this is especially the case with statistics. Their value is often entirely dependent on the purpose for which they are compiled. But some statistical investigations are undertakennot to answer any definite questions or to throw light on any given problem, but to collect information which, though it has no immediate use, is likely to be needed ultimately by many, investigators occupied with various questions. Such is a wager census. So long as we have no sufficient account of wages, we are badly informed as to one of the most important measurements of the social body, and economists and statisticians are continually hindered by the want of data essential for their work; but the census has no immediate practical use, for knowing the height of wages does not help us directly to regulate that height. In such an investigation our object will be to examine the figures, and give all the groupings and averages, which seem likely to be useful for any purpose. While doing this we shall imperceptibly, pass to a different class of investigation. We shall aim at finding a structure underlying our multifarious details. We shall hope to find that the class, which our figures present at first sight, obeys laws, and to give a definite shape to our apparently featureless mass.*
2. Such accounts of wages may serve one of two purposes.

Reasons for mak. .rg a wage census quinquennal

They may attempt to measure fluctuations in the prosperity of the working classes year by year, or, neglecting short period fluctuations, they may attempt to record the slow changes in the standard rates of wages. The former was the object aimed at by the old halfyearly wages return which was made from 1873 to 1908 . But' short period fluctuations of this type can also be traced in the area and crop returns, in the exports of agricultural staples, in the consumption of piece-goods, salt and other excisable articles, and above all in the price fluctuations of the staple articles of food. It was therefore considered that a record of fluctuations over a larger period would be more valuable, and for this reason the wage census was made quinquennial.

[^0]3. The accuracy of the return was at the same time in. Netbods taken to creased. Previously the wage returns mere secure eccuracy. based on rough estimates made by the Tahsildar. Such a method imposed on that official calculations which were far more suited to trained statisticians. The rural statistics tended also to reflect the conditions prevailing at tahsil headquarters rather than those obtaining in the normal villages. These elements of error are now avoided. The kanungo, a man in direct touch with rural conditions, is asked a number of simple questions which he can understand. His replies come straight to the Statiotical Branch of the Director of Land Records' Office. They are free from any intermediate doctoring, though additional comments by the district authorities often provide valuable elucidations.
4. In such statistics it is necessary, as far as possible, to eliminate factors which are incapable of accurate classification. If the wages of workers of maximum efficiency are known the wages of wrakers of less efficiency can always be deduced. It simplifies the investigation therefore to confine it to workers of maximum efficiency (i.e, healthy men between the ages of 20 and 45). From these the wages of the sick and infirm, women, children and the aged can always be deduced approximately. Similarly places or classes which are obviously abnormal should be eliminated. The investigation in zural areas is therefore confined to villages where the labour under investigation mas be presumed to exist in a typical form. Villages within ten miles of a large town or two miles of any town are therefore excluded as the labour conditions are exceptional there. By selecting four villages from each kanungo's circle it is secured that they are typical of the whole province, not merely of parts which are specially accessible to Tahsildars. Very large and very small villages are also eliminated as involving somewhat exceptional conditions.
5. The factor of unemployment, too, is a serious item in

The nnemployment many callings. In such cases therefore the reporting officer merely gives the daily rates of wages leaving the statistician to deduce the monthly or yearly wages after making the necessary allowance for holidays, laziness, and failure to get work. Probably a deduction of 10 per cent. in towns and 20 per cent. in villages should be made for unskilled labour, but no accurate statistics are available, and the question is one which might well be the subject of investigation at the next census.
6. Even if, however, the villages selected were not quite typical the census would still have a comparative

> Comparative accuracy of waze etat sthes greater than the.r aboidute accuraes ralue, as the same villages are (with slight exceptions due to changes in kanungos' circles) retained in successive censuses. As the measure of the rate of change of a wage is of more importance than the absolute ralue of the wage itself it is clear that the usefulness of these statistics is hereby enhanced considerably. The same reasoning applies to the selection of the particular month in which the enquiry is to be held. In order to save the errors involved by officials endeavouring to arrive at a yearly or halfyearly average, the actual wages in a definite month are reported. The month selected in the Punjab has been December, a time when work is neither very light nor very heavy.
7. The application of these principles resulted in statistiValce of statistical cal tables of greatly increased accuracy. A tables based on these preliminary wages survey was held in December principles 1939 and two regular surveys in 1912 and 1917. The survey under report is the third and was made in December 1922 by Sheikh Rahim Bakhsh, then Director of Land Records. In addition to the supervision exercised by him throughout, I have been able since taking over (16th April) to test the accuracy of the statistics in special cases.
8. The investigation relates to urban and rural areas and

## Crban wagea

Se'ection of Indut tr.al centres to unskilled and skilled labour. Records of urban wages are wanted for the principal centres of industry as distinguished from towns which are commercial centres only or seats of administration. The Punjab is mainly an agricultural province and Amritsar, Lahore and Delhi were the only places originally selected as satisfying the above conditions. When Delhi was transferred fiom the Punjab, Multan was substituted. It is also an industrial centre, though hardly comparable. with Lahore or Amritsar.
9. Urban skilled industry was oricinally classed under heads

Various classifica. tions of arban ekniled andustry which included all the more important manual workers. These heads corresponded with the classification adopted at the 1901 population census. Unfortunately this classification was changed at the 1911 population census. This rendered it impossible to get accurate figures from the population census for the total number of workers under each classification of the wages census. Accordingly in the 1912 wages census report no such figures were
given. In the 1917 report figures were given from the population census heads for the district which were considered most nearly to correspond to the classification of the wages census But the inaccuracy involved thereby is so large as to render such figures entirely fallacious, and I have preferred to rely on the rough figures provided by Deputy Commissioners, which may be considered as accurate within an error of 50 per cent. at the outside, and which therefore do give a general idea of the relative importance of the class under consideration.
10. A further investigation intc the numbers employed in

Smallness of the industrial popula. tion.
each class seems desirable at the next wages census. For the present it is sufficient to remark generally on the relative smallness of the industrial population even in such selected centres as Lahore, Amritsar and Multan. The populations of such towns are mainly commercial and parasitic and the relative unimportance of industries must be always kept in mind in studying these statistics. The statistics do however illustrate the greatly increased cost of labour due to the rise in prices. The recent oscillations however in the prices of staple food grains render it difficult to form an estimate as to whether real wages are tending to rise or fall. Wages tend to follow prices but at a slower rate. Increased wages resulted from the high prices of foodgrains in 1921, but reduced prices have not reduced wages in the same proportion and it may be asserted with some confidence that the urban labourer in December 1922 was better off than his predecessor in 1917. But clearly this gives no answer to the main question which the quinquennial burrey set out to solve, viz., what is the general trend of wages. Prices mere rising in 1917 and real wages were therefore depressed; ther were falling in 1922 and real wages were therefore enhanced. The general trend of wages can only be ascertained by obserrations extending over a larger period, when prices have become stabilised after the riolent fluctuations caused by war conditions.*
11. Rural wages in adjoining districts are (as might be
 many things free (in particular a house to live in) for which his urban brother has to pay. For the purposes of this survey rural lodgings have only been estimated at 4 annas a month, but it should be remembered that the town labourer must pay

[^1]
at least Rs. 3 for a lodging not very much better. These differences more than cover the difference in wages. But the difference in outlook between the urban and rural labourer in the Punjab is so great that such comparisons are of doubtful value. The rural has less expert knowledge than the urban craftsman, but he is expected to be more of a handy man. He must be of a bardier type to stand the life; but if he can do so he is probably far better off. Yet though poets and philosophers continue to descant on the advantages of a country life, erring human nature continues to prefer the dissipation of the town. In making such comparisons we verge on the æsthetic and leave the strictly economic sphere which is the subject of this survey.
12. In rural areas the survey has been more detailed, the

Value of the survey as regards rural unskilled labour. whole revenue staff of each district being available for this purpose. Here too, in order to allow for unemployment, daily rates are recorded ; though in the case of ploughmen, who are actually paid by the harvest, a monthly average is worked out and recorded. Particular care bas been taken in the survey of unskilled agricultural labourers as their wages form a minimum standard by which that of those follorring other pursuits may be measured. For the purpose of this survey such labourers include all the rural population who do not engage in agriculture or in any skilled craft. They provide a floating labour supply available to build a house for a zamindar, to mend a district board road, or to dig a new canal. They are generally of menial caste, though poor zamindars often join their ranks perforce.
13. Such labourers are now mainly paid in cash. Purely

> Supplements to cash nages for rural unskilled labourers. grain wages, which were only paid in 3 per cent. of the villages surveyed in 1909, are in this survey only recorded in 17 of the total number of 1857 villages surveyed. These villages were nearly all in hill tracts where the conditions are exceptional. In 39 per cent. of the total however the cash rate is still supplemented in some way. The supplements usually consist of one or two meals a day. The value of two meals is roughly 3 annas (one seer ata at 2 annas and one anna worth of dal or gur). Meals often take the form of parched grain in the Rawalpindi Dirision. This custom is, however, rarely found in other parts of the province. Tobacco is generally given in addition to food, except in Sikh districts. The estimates of the value of meals vary in different districts and even in different parts of a district. These differences sometimes appear to be due to the personal equations of the kanungos rather than to any actual dif-
ference in the quality of articles supplied. This may be inferred from the fact that such differences are associated with no difference in cash wages or any other conditions, and my own enquiries also ga to confirm this inference. In order to eliminate such errors to some extent I have taken weighted averages of the estimated value of such supplements by districts and applied them over the whole district. I think I might have gone further with safety and even with advantage but I have preferred to take a more conservative course, as the time at my disposal for enquiry into the matter is limited.
14. At the time when the quinquennial wage census was

> What is a "typical "wage rate? prescribed, it was still possible to speak of the "typical " or " most common rate" of a particular occupation in a district. Customary rates were still prevalent, and to that extent might be called typical rates. But the only accurats way of describing a group of wages is by means of what is known as a frequency curve. This shows at a glance all the characteristics of a group. Frequency curves for unskilled labour throughout the Province for the three survey years are appended. They graphically illustrate the gradual disappearance of "typical rates." The wages for 1012 are none of them very far from the $4 \frac{1}{2}$ to $6 \frac{1}{2}$ anna group, which includes the "predominant" rate of 6 annas. In 1917 the maximum group has advanced to the $6 \frac{1}{8}$ to $8 \frac{1}{2}$ anna group including the predominant rate of 8 annas, but there is less concentration and a large number of typical villages are in lower groups. In 1922 the wage limits have greatly extended. There are now two maximum groups ( $6 \frac{1}{2}$ to $8 \frac{1}{2}$ annas and $10 \frac{1}{2}$ to $12 \frac{1}{2}$ annas) including the two predominant rates of 8 and 12 annas. It is hardly any longer possible to talk of a typical but only of a "predominant" rate or " mode." The statements in Table C give the same information, figures for the years 1917 and 1912 having been given for purposes of comparison. It will be noted that wages tend to group themselves round even annas and particularly round multiples of 4 annas (..e., 8 and 12 annas); but apart from that the number of instances for any wage tends to rise to a maximum and then to fall. For the purpuses of table B the most common rate is taken` as the "typical" one, though it is not necessarily the true average of the district. All the rates included within an anna interval are reckoned as one rate for this purpose. Such predominant rates are technically known as " modes" and they are in statistics regarded as averages.* By grouping the wages together in anna intervals it has

[^2]BURAL UNSKILLED LABOUR.
Frequency curves (deduced from table D)
1918
1917
1922
Note:-

1. Genesal rise in amount of wages.
2. Broadening of curve, in later years showing tendency to abandon "typical rates."
3. Predominance of 6 anna standard in 1912
$\Rightarrow \quad, 8$
, ", in 1917 " both 8 and 12 anna standards in 192.
4. Also note in 1922 that very low and very high wages are present indicating rates fired by competition and unequal values of labour.
5. In each group the lower limit is incladed and not the higher (e.g. group $2 \frac{1}{2}$ to $4 \frac{1}{2}$ annas incindes wages of $2 \frac{1}{8}$ annas but not these of 41 annas.?

300

250

200

150

100 50


[^3] Annas per day
been possible to make comparative estimates easier than by giving each particular wage separately. In the diagram the general principle is made still clearer by grouping in 2 anna intervals.

15 Both the graph and the tables indicate a general rise

Tendency for wages to tave a cumpetstire rather tbau a customary value in wages together with a tendency to abandon conformity to a typical wage. There is still however a fixed rate for unskilled labour in a particular village, but it tends more and more to have a competitive rather than a customary value. Where labour is plentiful the rates are low, and vice versa. Moreover in villages where the landowning tribe is hardworking (e.q., Arains or Jats of the Eastern Punjab and the Malwa) their menials tend to work hard and remain occupied, and to command a high price for their labour; while in villages of idle zamindars the menials also tend to be idle and to get less wages.
16. The wages paid to railway coolies furnish an interesting comparison with those of unskilled rural labour in the neighbourhood. Table E compares such wages with the typical range of rates in the adjoining tahsil. The tahsil forms a better comparison than the district as in many such cases (e.g., Sonepat) the conditions in the neighbourhood of the station may differ from those prevailing in the district generally. As might have been expected, the railway cooly rates are higher than the neighbouring rural rates, except in the case of Bhalwal and Gojra, where the demand for labour in the canal colonies may account for the exception.

## 17. The statement for rural artizans wages (Table B)

Village artizans. helps to confirm the inferences drawn above (para.14) from the wages of unskilled rural labourers. Bat the results are not so clear. Rural blacksmiths and carpenters are generally sepidars or servants of the village community, receiving a share of the grain at harvest and other perquisites with presents from those zamindars for whom they do an exceptional amount of work. The number of those who are paid by daily wages is relatively small and not really typical of rural blacksmiths and carpenters as a whole, and it is therefore more difficult to extract general laws from the figures than in the case of unskilled labour. This does not however apply to masons who wander from village to village and are paid competitive wages. Artizans who are paid by daily labour usually receive food, one or two meals with tobacco. They get better food than the unskilled labourer, obtaining in addition ghi and shakar in the Ambala Division, and dal or meat
in the Punjab proper. Its value may be estimated at about trice that of the food prorided for the unskilled labourer.
18. As was found in previous surveys, the estimate of the wage of ploughmen is a matter of exceptional difficulty. In the first place ploughmen are not generally paid by the month, but at harrest. Their supplements are many and varied including food, grain, clothing, bedding, free lodging, tobacco, a plot of land for cultivation and special arrangements at harvest time. Different customs obtain in different localities. Ploughmen have barder work to do than ordinary rural unskilled labourers, and this is particularly the case in well or canal-irrigated tracts, where they are kept continually occupied and get better wages than in barani areas, where the mork is light. This is illustrated by the figures in Table B. The original reports of the kanunc,os made this point even clearer as they enable a finer distinction to be dramn betmeen irrigated and unirrigated tracts than is possible for districts as a whole. The work is only done by selected classes of menials generally Chubras or Chamars or by landless zamindars. They therefore require and get better ford than the unskilled labourer. There is a custom called talıoára in the Western Punjab under which the ploughman gets the residue of the harvest heap after the landowner has removed his grain from the threshing floor. The articles of clotning given are a chádar and loin cloth of khaddar ard a turban and shoes when required. Bedding consists of a blanket or a rizal. Free lodging may merely represent a place in the cattle-shed where the ploughman can incidently guard the cattle at night. About an acre of land used to be given for cultivation, free or at a reduced rent, but the custom is dying out especially in irrigated tracts where land is valuable. The practice of giving tobacco is general except in Sikh areas. Special arrangements have to be made at harrest time and especially at wheat harvest when wages reach a very high level. In places the ordinary wage is suspended at wheat harvest, ploughmen working on their master's or on other peoples' fields at the prevailing rates for daily labour. In other cases, special rates are paid at the wheat harvest. It will be seen therefore that to give e monthly cash estimate of the ploughman's wages is not easy. It is necessary to take his annual income and diride by 12. The value of the supplements given abore (excluding food) comes to about Rs. 36 a year or Rs. 3 a month. Food may be roughly estimated at 4 annas a day, but in the statement the district pstimates have been taken as time did not permit of a detailed enquiry. The increased wages recorded indicate similar economic conditions to those recorded for other rural labourers.
19. In comparing Punjab rural conditions with those of

Relative economic unimportance in the Panjab of the classea under survey. another province such as the United Provinces, the large mass of cultivating proprietors should not be forgotten. They constitute the most characteristic feature of rural life in this province and the investigation of the conditions under which they work and live is one of far more importance for the rural economics of the province than that of the wages of the classes dealt with by this survey. These classes have not in the Punjabthe same importance as in a province like the United Privinces where the landowners are mere rent-receivers. The value of these statistics mainly lies in the light which they throw on the trend of wages under the influence of war conditions, a diminished labour supply due to losses from disease (especially the influenza epidemic), and the further opening up of the canal colonies. Prices have not only generally risen but have become more unstable. The quinquennial census which before the war would have given a good record of long period fluctuations now deals with a period that is too short for the long period fluctuation caused by the war, while it fails to record the short period fluctuations due to the remarkable oscillations in prices which have characterised recent years. The only general results that can be deduced are that wages have risen, have become more competitive, and tend to differentiate more between qualities of labour and local demand.
20. But for a statistical survey to have its fall value an
$\begin{aligned} & \text { A detailed } \\ & \text { invertigation } \\ & \text { geated. }\end{aligned}$
sug- exact definition is required of the units which go to make up the total.* Now in this investigation there are many elements involved, e.g., the amount of uremployment, the value of supplements, the proporticn of the population included in the classes mentioned, the - economic position of the cultirating landowner and tenant-all these are points where elucidation would greatly add to the value of this survey. A record of how wages have fluctuated with the shert period fiuctuations of prices would also be of intense interest. To make such an investigation over a wide area would be impossible, but practically all the information required could be obtained by making the investigation in (say) six typical tahsils and one urban centre. I would suggest that if we had accurate information as to the economic conditions of (say) the Attock, Daska (Sialkot), Nakodar (Jullundur), Toba Tek Singh (Lyallpur), Dera (Kangra), Rohtak Tahsils, and Amritsar city we should be in a position to make more valuable deductions from the results of this survey.
> H. K. TREVASKIS, Director of Land Records, Punjab.

[^4]
## Glossary of vernacular terms used in this survey.

Ata.-Wheat whole meal.
Barans.-Unirrigated (land), dependent on reinfall.
Chádar.-A sheet worn as a shawl.
Chamárs,-Leather working caste.
Chührns.-Sweeper oaste.
Dál.-A generic term applied to various pulses.
Ght.-Clarified butter.
Jowár.-The great millet, used as a food-grain by the poorer classes.
Kánüngo.—Supervisor of village accountants (patwárıs).
Khaddar.-Cotton cloth hand-woven from hand-spun yarn.
Malwa.-The Cis-Sutlej Punjabi speaking tract of the Punjab.
Rizaii.-Quilt. Bed-coverlet made of padding enclosed between two layers of cloth.
Sepıdar.-Servant of a village sommanity, receiving a share of grain at harvest.
Shakar.-Unrefined Sugar.
Talwôra.-See paragraph 18.
Zaminddr. -Any land-owner.

## TABLE A.

Rates of daily wages in annas and pies (includeng money valus of any supplement in kind) most commonly paid to certarn classes of labour in $D_{e}$ cemlier 1912, 1917 and 1922, in the lowns nanted, together woth particulars of population of the wumerical strength of the respective classes of employment.

work in comperatirelty heary.

+ Cotion aseresere not paid in this dibtrict by day. They get thois wages per yard of eloth woven,

TaB LE
Rural wage rates in the Punjab as determoned

(a) No dasly wages are paidir rural areas in this district Unskilled labour is
(b) No dally wages are paid in raral areas in this district Artisans employed (c) Th epltugtyan's work is dene by e clase of servants called "Baithas" who are provided with
(d) This grain Wage 18 given only in
b.
oy enquiry in December 1922 compared with the sates returned in 1917.


[^5]receive their meais and a lamp anm on completion of the work,
food, aluthea and bedding and are sleo sometrmen pad aned fum of monoy for their hife long gervieg. oabor where cash wage 18 not padd.

## TABLE C.

Wates of daily roages in annas and pres (enciuding money value of any Sup.plements in kand) most commonly paid to agricultural labourers in December 1922, in selected villages en the various distracts of the Punjab and the number of the villages in which respeclsvely such rates of wags are paid. In each case the lower limit is included and the upper excluded.

| 1 | 2 | 3 | 4 |  | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enicu of darly wagea iuclading value of paymente in kind. | Numbre of villages in Whict the stated batr is familiab asa OASE WAGE. |  |  | Total number of villages in which the stated rate prevails in |  |  |
|  | Without Supplement | $\left\|\begin{array}{c}\text { With Supple- } \\ \text { meut is } \\ \text { kind. }\end{array}\right\|$ |  | 1922 | 1917. | 1913. |

Hissir.



## TABLE C-continued.

| 1 | 2 3 | 4 | 5 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rate of daily wagen including value | Nthber of viciagis in WHICH THE BTATED RETB th famililab as a OASH WAGE. |  | Total number of villages in which the stated rate prevaile in |  |  |
| in kind. | $\begin{array}{c\|c} \text { Without } & \begin{array}{c} \text { With Supplc- } \\ \text { ment in } \\ \text { kind. } \end{array} \\ \text { Supplement. } \end{array}$ |  | 1922 | 1917 | 1913. |

Karial.


Ambala.


Simpa.
No dally wages are paid in raral areas in thie district. Unskilled lahone is provided by the agriculturists themsel res, who help each other in return for meals.

## TABLE C-continted.

| 1 | 2 | 3 | 4 |  | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate of daily wagea including value of payments in kind. | Numbeb of tillages in WHICE THE BTATED BATE <br> is familiar 18 a CABE WAGR. |  |  | Total number of villages in which the siated rate prevaile in |  |  |
|  | 8ipplement. | With Supplement 10 kind. |  | 1932. | 1917 | 1912. |

Kamara.


$\ldots$
$\cdots$
$\cdots$
11
2
5
3
3
8
8 $|$

Hoshiabper.


Jullembob.


TABLE C-continoed.


TABLE C-continded.


## TABLE C-Continued.



TABLE C-continued.


TABLE C-coninved.

| 1 | 8 | 3 | 4 | 15 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate of daily wages including value of payments in kind. | Numbri of villatibs in whice ter stated hata is familiar as AOASE WAGR. |  |  | Total number of villages in which the atated rate prevails in |  |  |
|  | Without Supplement. | With Supple ment in hind. |  | 1922. | 1917. | 1912. |

Attock.


Mantian.


T4BLE C-contirubd.


## xiii

TABLE C-concluded.

| 1 | 2 | 3 | 4 |  | $\frac{1}{5}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Kate of danly wagen including vatue of payments in kind. | Number op villages in Which the brated batr is pamiliar as A CASE WAGM. |  |  | Total number of villages in which the stated rate prevails in |  |  |
|  | Without Supplement | With Supple- ment in kind |  | 1923. | 1917. | 1912. |

A. P. A. P.

Muzapfargage.


Drpa Ghati Khaf. -


TABLE D.

| Range of rate. |  |  |  | Ao. of villagbe in |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1922 | 1917 | 101. |
| Annas: |  |  |  |  |  |  |
| 1-6 to 2-6 | ... | $\cdots$ | $\cdots$ | 5 | 23 | 53 |
| 2-6 to $3-6$ | ... | $\cdots$ | ... | 6 | 68 | 94 |
| 3-6 to 4-6 | ... | *** | - | 62 | 219 | 297 |
| 4-6 to 5-6 | ... | - | - | 92 | 206 | 401 |
| 5-6 to 6-6 | ** | $\cdots$ | $\cdots$ | 164 | 270 | 360 |
| 6-6 to 7-6 | - | $\cdots$ | $\cdots$ | 83 | 172 | 171 |
| 7-6 to 8-6 | -.. | -•• | -• | 363 | 504 | 184 |
| 8-6 to 9-6 | ... | ** | -• | 105 | 79 | 37 |
| 96 to 10-6 | ..' | -•• | $\cdots$ | 22: | 135 | 14 |
|  | ... | ... | *.• | 74 | 33 | 6 |
| 10-6 to 11-6 | ... | $\cdots$ | ... | 389 | 15 | 0 |
| $\begin{aligned} & 11-6 \text { to } 12-6 \\ & 12-6 \text { to } 13-6 \end{aligned}$ | -.. |  | $\cdots$ | 56 | 0 | 0 |
| 13-6 to 14-6 | ** | ... | $\cdots$ | 81 | 1 | 0 |
| 14-6 to 15-6 | ..' | ... | $\cdots$ | 15 | 1 | 0 |
|  | ..' | $\cdots$ | $\ldots$ | 103 | 0 | 0 |
| 15-6 to 16-6 | ** | . ${ }^{\text {a }}$ | .. | 5 | 0 | 0 |
| 16-5 to 17-6 | ... | $\cdots$ | -.. | 9 | 0 | 0 |
| 17-6 to 18-6 |  |  |  | 6 | 0 | 0 |
| 18-6 to 19-6 | $\cdots$ |  | $\cdots$ | 2 | 0 | 0 |
| 19-6 to 20-6 | -." |  | $\cdots$ | 0 | 0 | 0 |
| 20-6 to 21-6 | ** | -498 | $\ldots$ | 3 | 0 | - 0 |
| $21-6 \text { to } 22-6$ | ean |  |  | 2 | 0 | 0 |

## TABLE E.

Comparative Statement showing the average daily earnings of coolies at certain Selected railway stations in the Punjab during the month of December 1917 and 1922.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8. | 9 | 10 | 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Ralway Station. |  | District. | Avbragh daily barnings wher paid |  |  |  |  |  |  |
|  |  | Branch of Railmay |  | By the day |  | By the Jub. |  | By tue mouth. |  |  |
|  |  |  |  | 1917. | 1922. | 1917. | 1922. | 1917. | 1922. |  |
| 1 | Palwal | Great Indıan Peningula Railway. | Gorgaon . ${ }_{\text {. }}$ | $\begin{array}{cc}\text { A. P. } \\ \ldots & \\ \\ \end{array}$ | $\begin{array}{cc}\text { A } & \text { P. } \\ \cdots & \\ & \end{array}$ | $\begin{array}{cc}\text { A } & \mathrm{P} . \\ \cdots & \end{array}$ | A. P. .. | A. 8 8 | A P | A. P. 3 to $5 \chi$ |
| 2 | Sonepat | $\}$ | Rohtak . . ... | 63 | 100 | ... | 80 | , ${ }^{\prime}$ | ..' | $\left\{\begin{array}{lll}3 & 0 \\ \text { to } & \\ 8 & 0\end{array}\right.$ |
| 3 | Kharinda | $\int^{\substack{\text { Rait } \\ \text { Railway. }}}$ | Karnal . ...) | 56 | 100 | Б 0 | 80 | ... | ** | $\left\{\begin{array}{l}4 \\ 5^{\text {to }} 0\end{array}\right.$ |
| 4 | Raman | Rsjputane- |  | ... | - | 80 | ... | *- | ". | $\cdots$ - |
| $5^{\prime}$ | Fatilka ... | $\mathrm{j}^{\text {J way. }}$ | , | 63 | 80 | - $\cdot$. | $8 \quad 0$ | 65 | $\cdots$ | $\left\{\begin{array}{l}7 \\ 11\end{array}{ }^{\text {to }} 0\right.$ |

TABLE E-CONCLTDED.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $\theta$ | 10 | 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Railway Station. | Branch of Railway. | Dietrict. | By the day. |  | daily E | vinge w | N Paid. |  |  |
|  |  |  |  |  |  | By the Job. |  | By the month. |  |  |
|  |  |  |  | 1917 | 1922. | 1917. | 1922. | 1'17 | 1922 |  |
| 6 | Kaithal |  | Karnal . $\quad \cdots$ | 80 | 120 | $\cdots$ | 120 | 80 | $\cdots$ | $\left\{\begin{array}{lll}5 & 0 \\ 8 & \text { to } \\ 8 & 0 \\ 4 & 0\end{array}\right.$ |
| 7 | Jagadhri ... |  | Ambala ... | 80 | 104 | - | $\cdots$ | 80 | $10 \quad 4$ | $\left\{\begin{array}{l}\text { to } \\ 8\end{array}\right.$ |
| 8 | Phagwara ... |  | Kapurthala State ... | ..' | .. | 68 | ." | ... | 10 4 |  |
| 9 | Batala ... | 1 | Gardaspur ... | ... | "* | 66 | -• | . | 10 4 | $\left\{\begin{array}{l} \\ \\ 16 \\ \text { to }\end{array}\right.$ |
| 10 | Wazirabad ... | $1$ | Gujranwala ... | 80 | 104 | 80 | - 0 | -. | 10 4 | $\left\{\begin{array}{c}8 \\ 16\end{array}{ }^{60} 0\right.$ |
| 11 | Gojrs . ... | $\left\{\begin{array}{l}\text { North.Wertern } \\ \text { Railway. }\end{array}\right\}$ | Lyallpar ... | 66 | $9 \quad 10$ | - | -• | 611 | 104 | $\begin{cases}11 & 0 \\ & \text { to } \\ 16 & 0 \\ 12 & 0\end{cases}$ |
| 12 | Bhalwal ... | 1 | Shahpur | 120 | 910 | ** | ... | 120 | 104 | $\left\{\begin{array}{l}12 \\ 16\end{array}{ }^{\text {to }} 0\right.$ |
| 18 | Gajarkban ... |  | Rawal pindl ... | ** | 160 | ... | 166 | 65 | - ${ }^{\prime}$ | 16 8 08 |
| 14 | Bhakkar ... |  | Mianwalı $\quad . .$. | 120 | 140 | 120 | ... | $\cdots$ | 136 | $\left\{\begin{array}{l}6 \\ 12\end{array}{ }^{\text {to }} 0\right.$ |
| 15 | Khbnewal ... |  |  | 76 | 1110 | ... | $11 \quad 10$ | 80 | - | $1\}^{4} 0$ |
| 16 | Lodhran ... |  | $\}$ Maltan $\quad \cdots\{$ | 53 | $7 \quad 9$ | . | 8 3 | 510 |  | \{\} $8{ }^{\text {to }} 0$ |
| 17 | Pattoki | ) | Lahore ... |  | 1110 | 60 | 1110 | .' | ... | $\left\{\begin{array}{cc}6 & 0 \\ 12 & 0\end{array}\right.$ |


[^0]:    * c. f. "Bowley's Elements of Statistics, Chapler 11."

[^1]:    - See graph giving yearly average prices of wheat and jowar, the principal food grains of the Province.

[^2]:    *See Bowley's Elementary Manual of Statistics, Chapter III.

[^3]:    

[^4]:    - Bowley's Elementry Manual of Statistics, Chapter VIII.

[^5]:    provided by the agrieniturnate themelvis, Tho help each other in retarn for meals.

