

Comparison of Different Cycles for Business Purpose usable to Physically Handicap Person

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Abstract - In this report we study the about problem with the handicap person in his/her life. due to very high price of all necessary things like food, cloth, fuel etc. In these days so, all people have to do work for the self survival in the society, for better life with full facility, respect and self ego, common people (male / female) can do the work as their strength but for the handicap people it to difficult to work, and in present days the people ignore the handicap person for their physical problem and don't support them. The above problem of society can be eliminate by helping & supporting the handicap people.

Key words : Handicap cycle , Trolley

1. INTRODUCTION

We going to make a cycle which is utilised by the handicap person for the business purpose. In this cycle we are attaching a trolley with the cycle and a handicap person can push the trolley with whole load by pedalling the cycle. The trolley has more area for working in it and the basket for the arranging the business related things. Cycle has a comfortable sitting chair for the handicap person behind the trolley which is attached with it in facilitate and very comfortably by

which the handicap person can climb on the chair, we also provide the suitable arrangement for the climbing option.

2. DIFFERENT TYPES OF CYCLE AVAILABLE IN MARKET

2.1 Cycle (1)



^[1]Figure (1) : Current Handicap Cycle

We can see the above cycle in Figure in current physical handicap cycle there is no space provide for doing some house hold business if they want to make a business then they welded a small size basket behind the seat and can make a business, but it is not a enough space to make a business they can take only small quantity of the business related goods.

2.2 Cycle (2)



^[2]Figure (2) : Handicap person doing business in cycle

We can see above Figure that a handicap person doing a PCO business in the conventional design chair and we can see that there is too small space to arrange business related thing and for his boy support sticks. So for every handicap person feeling uncomfortable in cycle due to this the most fired question of all handicap people is that there is no enough space for make a house hold business in current design of handicap cycle.

2.3 Cycle (3)



^[3]Figure (3) : Cycle With Push Trolley

Very heavy material is used and due to this the overall weight of the cycle going high so its make tired during cycling and handling of trolley is difficult due to high weight.

2.4 Cycle (4)



^[4]Figure (4) : Cycle With Push Trolley

In above cycle the handling of trolley is very tough when trolley is full of load.

2.5 Cycle (5)



^[5]Figure (5) : Cycle With Push Trolley

In above cycle the space required for the business is not enough and the pedalling mechanism is common and not useful for the handicap person.

2.6 Cycle (6)



^[6]Figure (6): Handicap person doing business in cycle

For the above all cycles the total body made of heavy material so the overall weight of the cycle is more and there is handling facilities provide direct on the trolley so it is difficult to take a turn smoothly and a sharp turn at maximum angle, and above all the cycle can not utilised by the handicap person (either from hand or leg), but doing some modification and some changes in design and mechanism the above all the cycle can be convert in to the handicap useful cycle.

3.COMPARISION

Cycle (1) : In cycle 1 there is no enough space for make house hold business but our concept cycle the enough space for business.

Cycle (2) : cycle 2 has a moderate space but not enough and handling is poor this problem is prevented in our cycle.

Cycle (3) : the cycle is made of heavy material but concept cycle the material is very light so overall weight is very low.

Cycle (4) : cycle is very heavy due to this handling is very tough but concept cycle has smooth mechanism so controlling is easy.

Cycle (5) : can not be operated by the handicap person but our concept cycle is usable for the handicap person.

Cycle (6) : The cycle has not enough space for work and two paddle is provided so its make problem in controlling immediately.

In the current handicap cycle the scope of business in a little, because of a very small space. Height between the ground and seat is very low. Load capacity is too low because of conventional design of chassis. Very small storage area for the business.

In concept cycle the working space is too large than the current handicap cycle. And load capacity of concept cycle is higher than the current cycle. Very large storage area is available than current handicap cycle. Height between the road and base of the trolley is more. Well support balancing because of new chassis design.

4. CONCLUSION

In reference of this paper we conclude that the all physical handicap person who doing business in conventional design cycle feel very uncomfortable in matter of space provide in cycle and there is no proper cycle with trolley available in market for handicap person which accomplish all the requirement of the handicap person for the small business. .

5. FUTURE SCOPE

By considering this paper the future work is to increase the space in the handicap person cycle and provide a better mechanism to control and handle the cycle smoothly and safely so, that its going facilitate to make a house hold business.

6. REFERENCES

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