



18. Design of Bee Hive

Name of Inventor

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Type: Improved/New

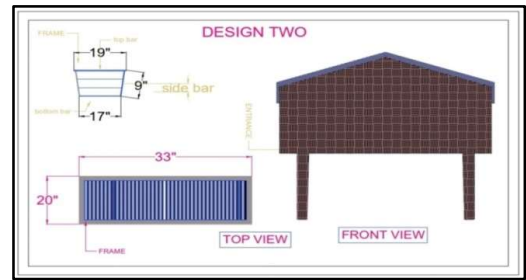
Year of development: 2018-19

Patent: NA

Description of Technology

1) Dimensions

Dimensions of two in one Hive	Feeder:-
Total frames =20	Length=6 inch
Brood chamber	Breadth=10.3 inch
Length=33 inch	Bottom board:-
Breadth=20 inch	Length=31.3 inches
Stand height=18 inch	Breadth=19 inches
Frames:-	Top:-
Topbar =19 inch	Length=35.5 inch
Side bar=9 inch	Breadth=23.3 inch
Bottom bar=17 inch	



- 2) Two colonies of different strains can be managed in a single hive.
- 3) It has drawer type feeders and feeding can be given without disturbing the bees during dearth period.
- 4) Fixed centre with ten (10) frames in each chamber
- 5) Entrances of the hive are in opposite sides in order to stop drifting and robbing.

Impact

Rearing healthy honey bees has great impact for proper pollination of fruits and vegetables for ensuring food security.

Two different species of honey bees (*Apis mellifera* and *Apis cerana*) can be managed in one hive thereby increasing honey production also.

Apis cerana forages during early hours and at low temperature while as *Apis mellifera* forages at comparatively higher temperature.

Commercial applicability

The technology is likely to popularise the apiculture by making it a profitable venture. Since the limiting factors of undisturbed feeding of bees during slack seasons and chances of drifting & robbing are overcome, the technology is likely to facilitate mass scale commercialisation of apiculture industry in Kashmir, given the fact that indirect effects of boosting crop pollination with large scale effects of food security are realised.