

Jab Seeder

The design concept was taken from work at AIT-Bangkok for soybean seeding.

At many places the small farmer (having about 1 Acre farm) has to repeatedly 'squat and stand', and this activity of frequent squatting and standing is not only time consuming but also strenuous.

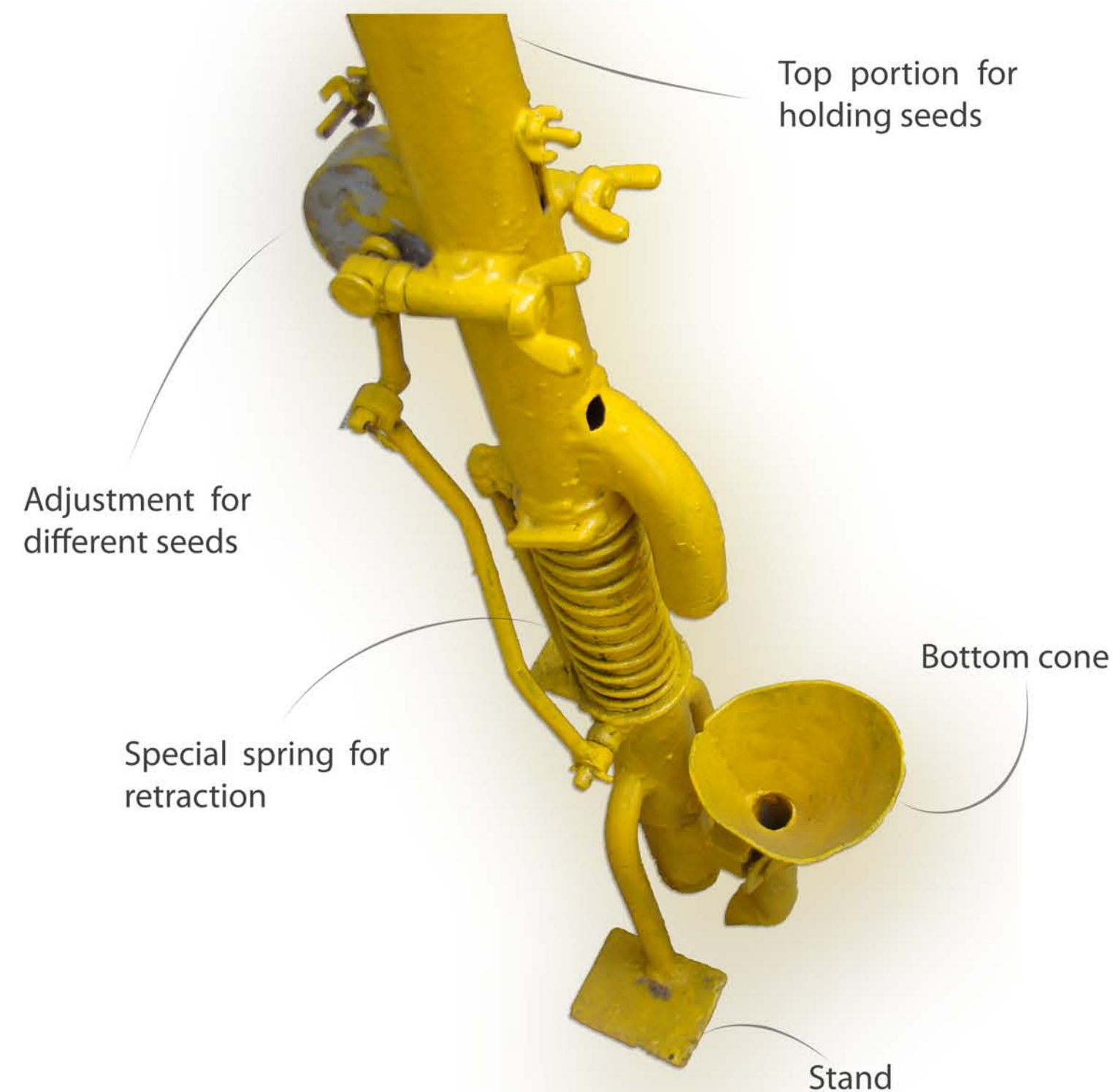
Also farmers have to place the seeds at about 3-4 inches below the soil surface depending on the recommendation for a given species of crop.

Also the distance between successive seeding locations is varied depending on the type of crop.

Also the 'afforestation' programs often need to plant the seeds in slopy lands. In such terrains use of bullock driven seeders is not viable.

This jab seeder was developed as a POC prototype. Though it was tested in-house, the utility in fields is not tested.

Approximate cost : Rs. 500/-



A Jab seeder consisting of tubular design incorporating spring and material roll was designed, fabricated and tested at CTARA. The Jab seeder permits the farm worker to stand and perform the seeding operation with less drudgery and more field efficiency.



One has to stand and fill the top portion of seeder with seeds, and at desired locations hold the stand of seeder on the ground and press the seeder against ground.

Desired number of seeds would be released in bottom cone, and simultaneously, a hole would be dug in soil.

while retracting the seeder, the seeds from bottom cone would be released in the hole.

with legs one can cover the hole with soil and move towards next location.

Number of seeds to be released can be adjusted as per wish and as per the crop to be taken.