



A drop-type fertilizer distributor

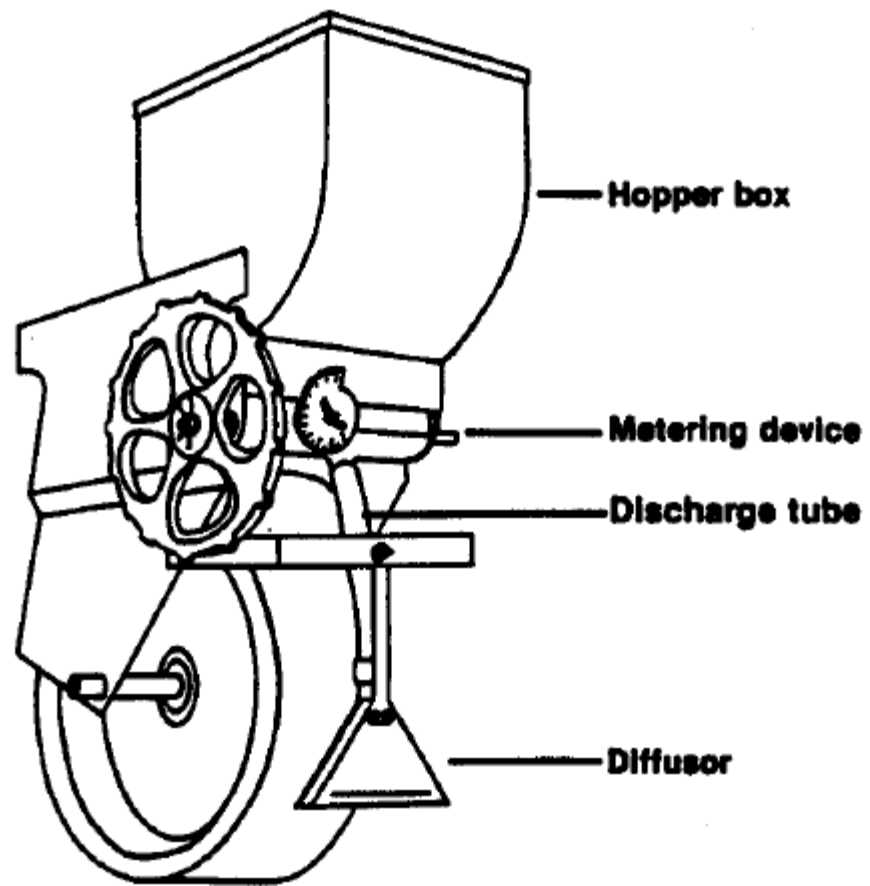


Figure 10.2 – A drop-type applicator for banded application

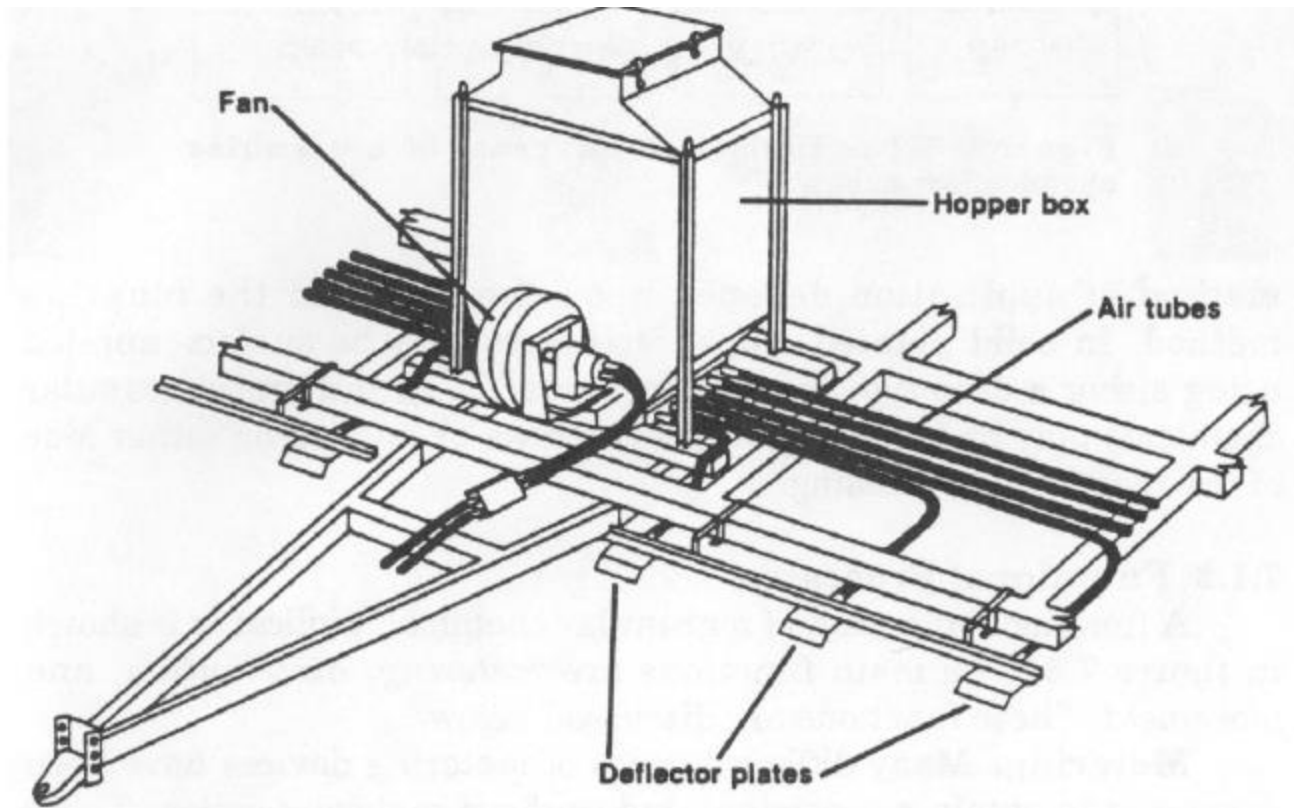


Figure 10.4 – A pneumatic applicator (reprinted from Bode and Pearson, 1985).

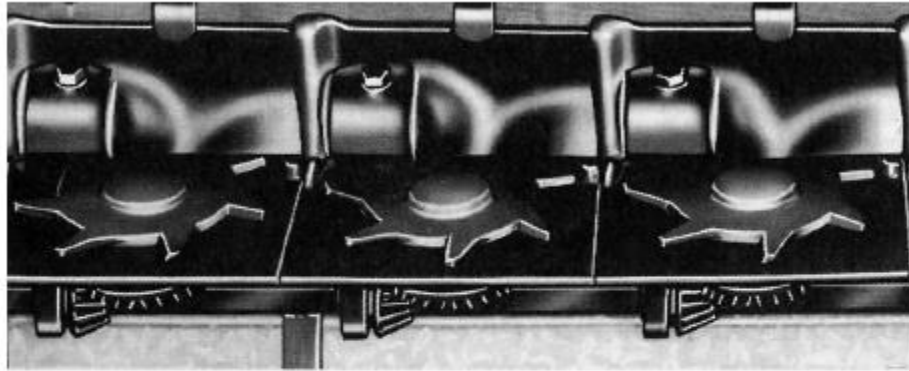


Figure 10.6 – Star wheel metering mechanism of a grain drill (reprinted from Kepner et al., 1978).

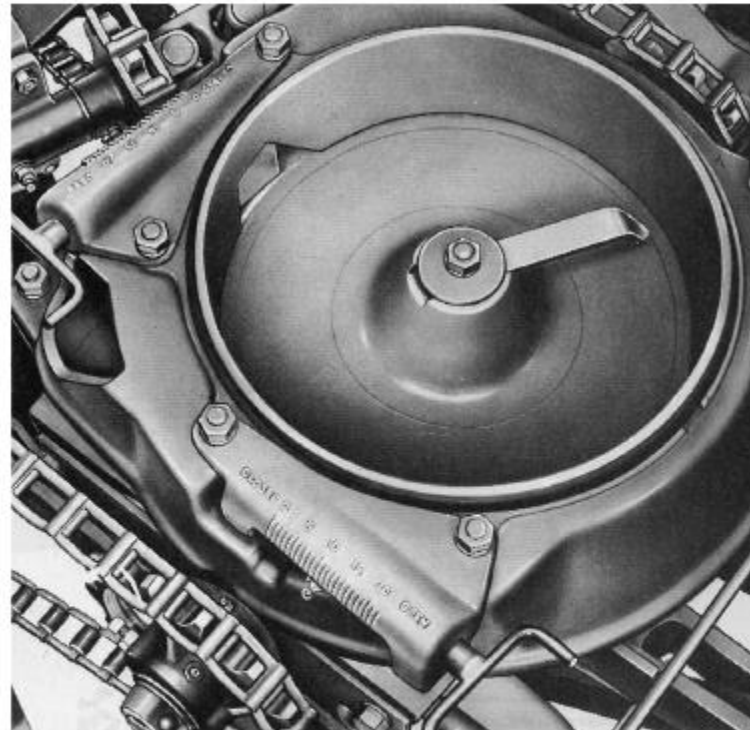
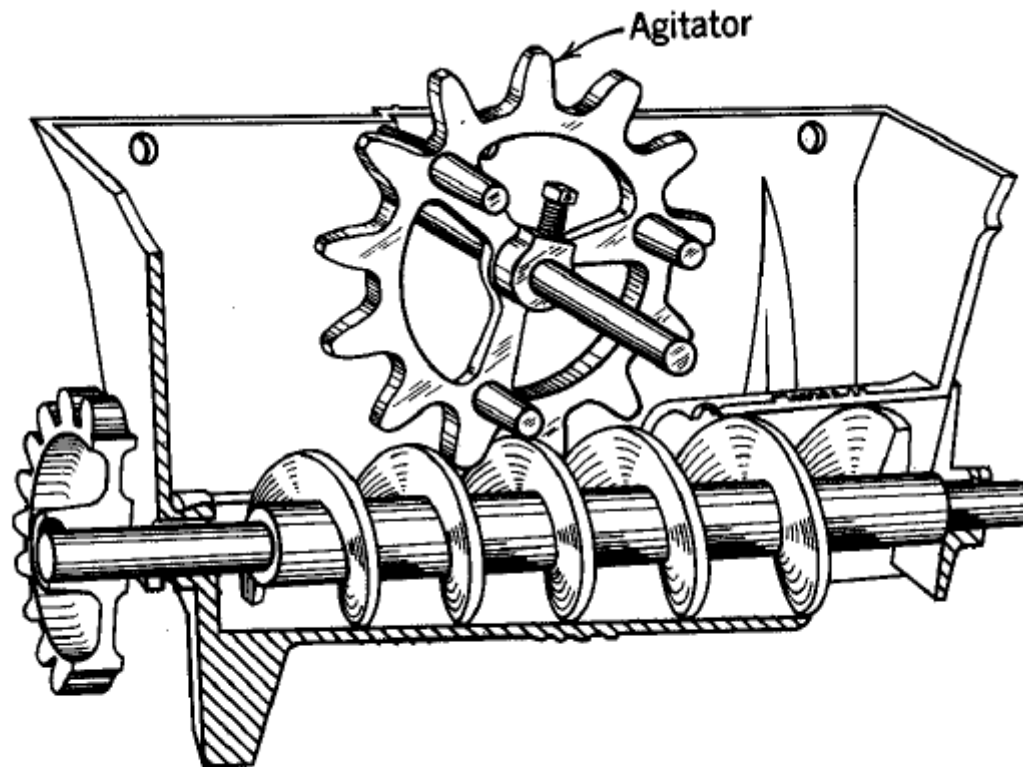
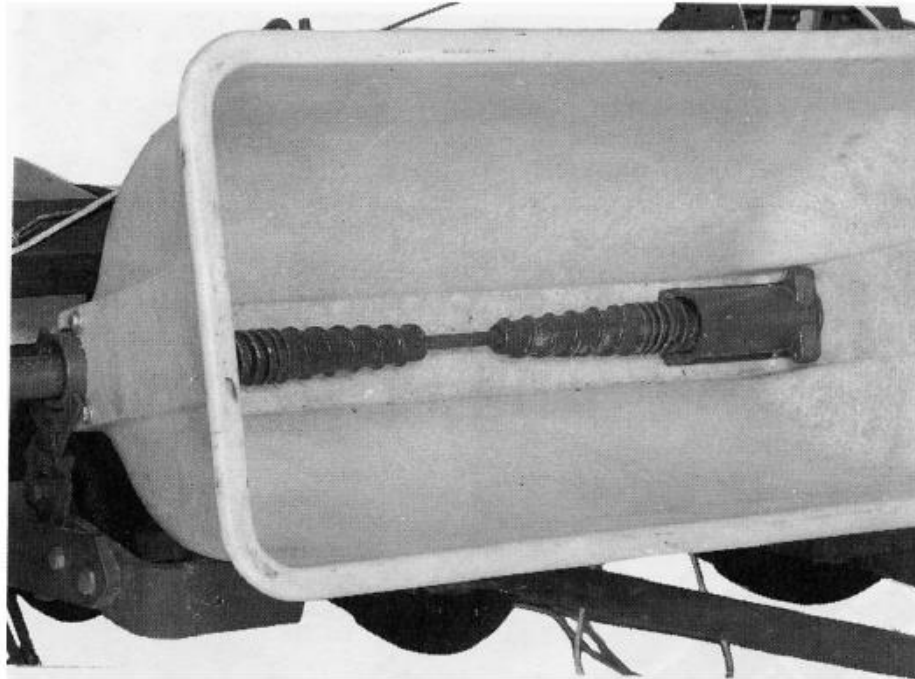


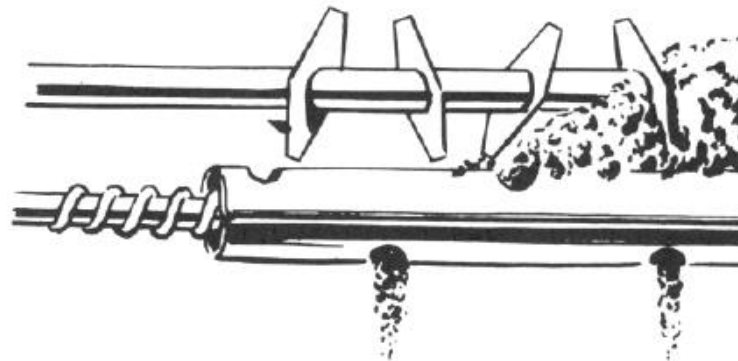
Figure 10.7 – A rotating bottom metering device (reprinted from Kepner et al., 1978).



**Figure 10.8 – A metering device with close fitting auger
(reprinted from Kepner et al., 1978).**



(a)



(b)

Figure 10.9 – Metering devices with loose-fitting auger (a) for row-crop attachments, (b) for row-crop attachment or drop-type broadcasters (reprinted from Kepner et al., 1978).

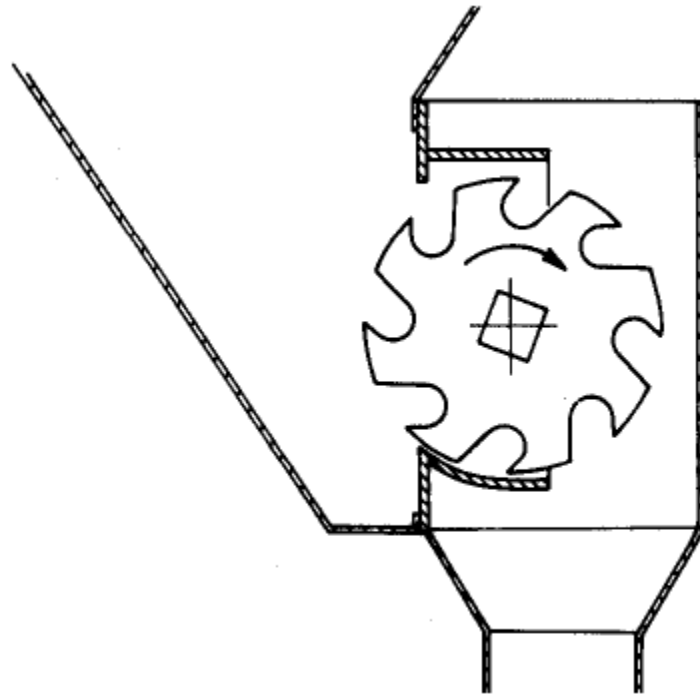


Figure 10.10 – An edge-cell vertical rotor metering device

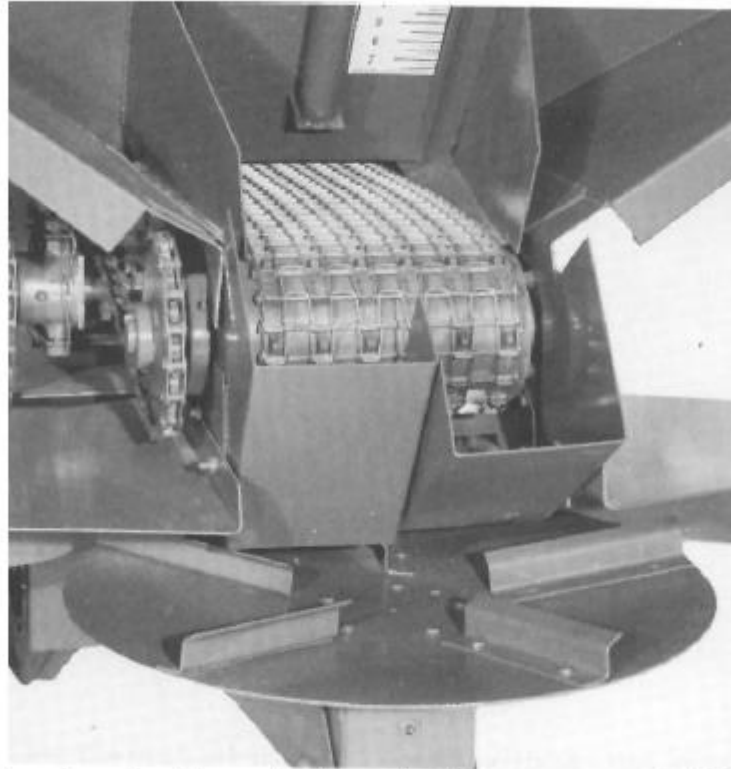


Figure 10.11 – A wire-belt metering device on a centrifugal broadcaster

FLOW REGULATOR ASSEMBLY

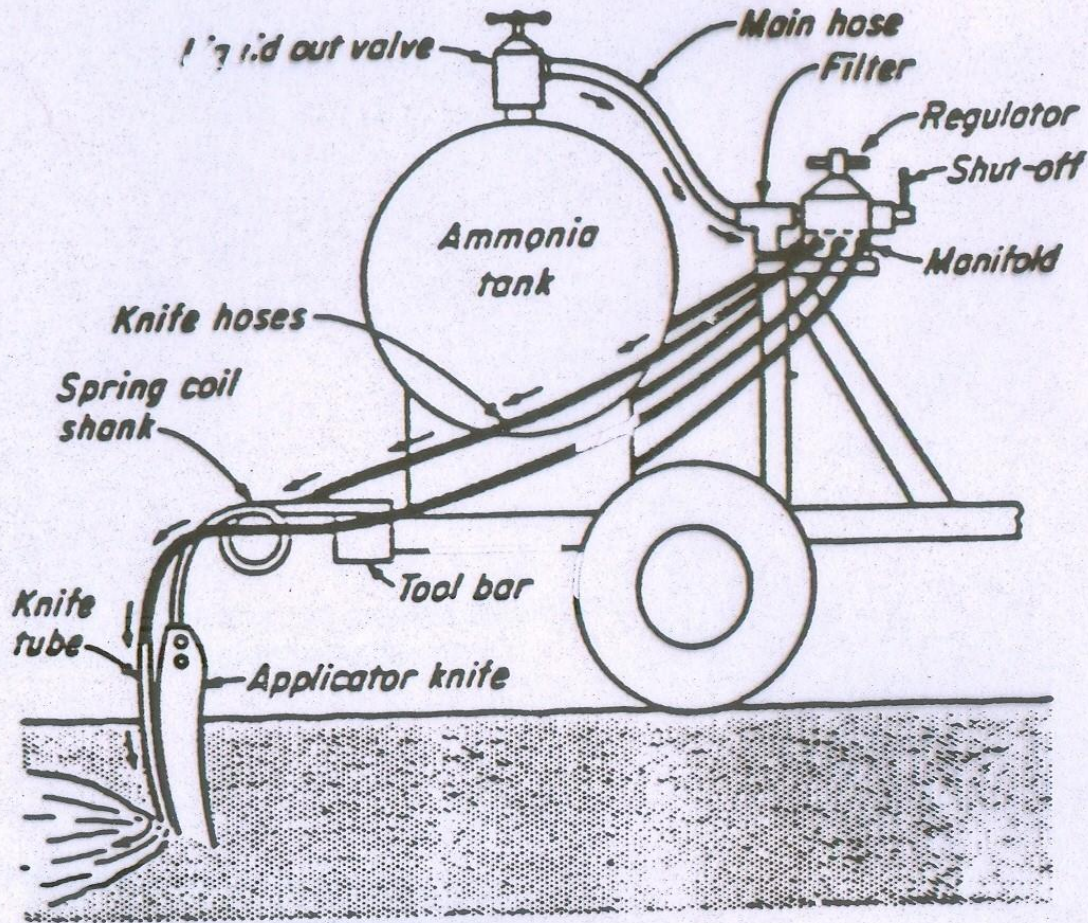
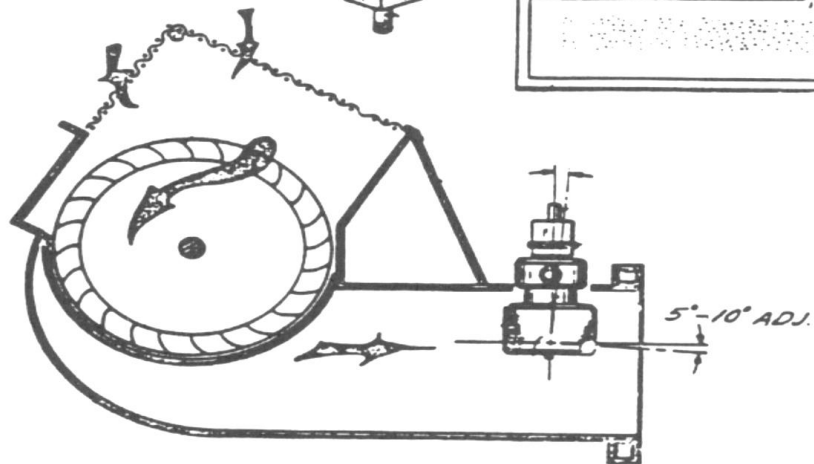
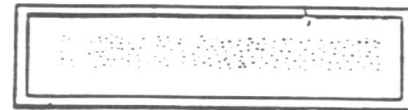
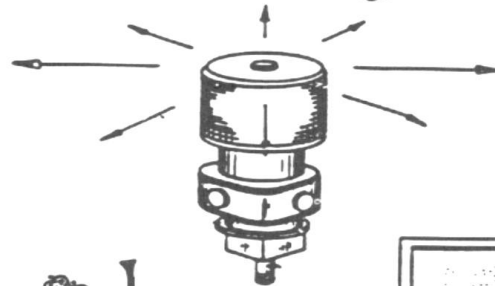
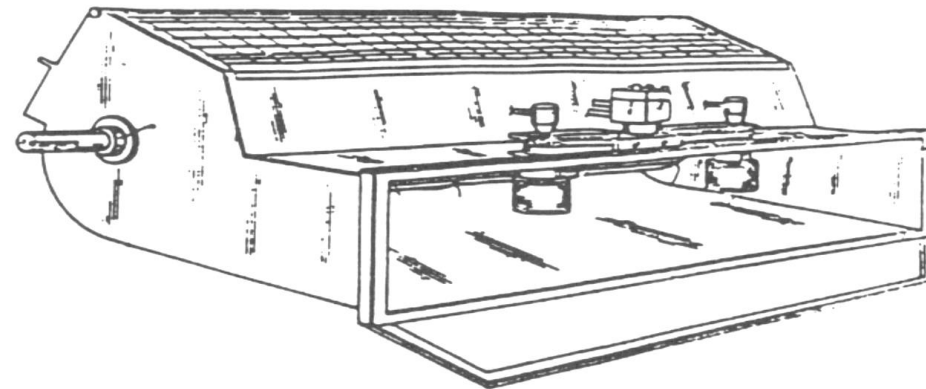


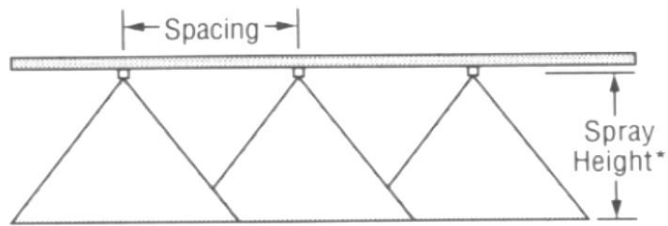
Figure 7.21-A schematic of a liquid ammonia applicator (Reproduced from Smith, 1964, by permission of McGraw-Hill Book Co.).



Figure 7.22-An applicator blade for anhydrous ammonia (Reprinted from Principles of Farm Machinery, Kepner et al., 1978).

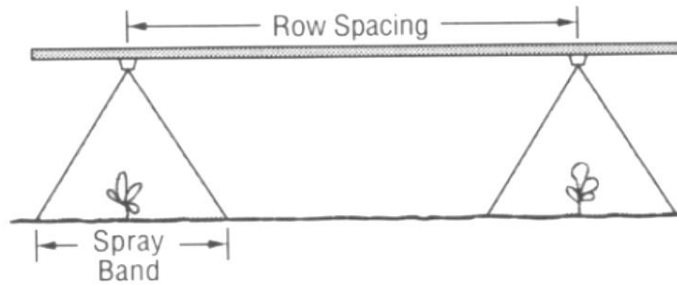


Air carrier sprayer

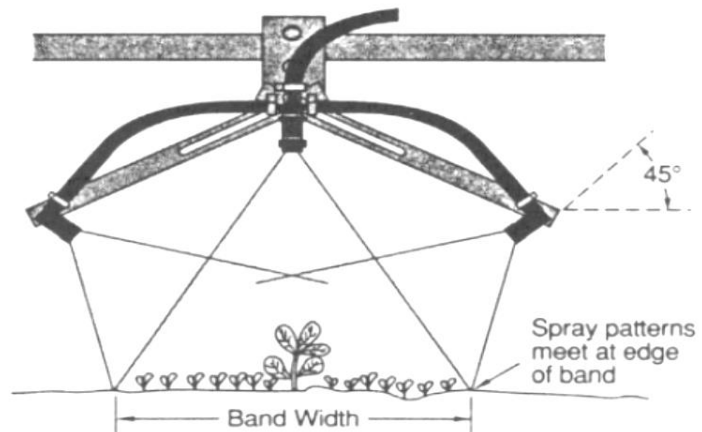


* Adjust spray height in the field to overlap approximately 30% of each edge of pattern.

Broadcast



Banded



Directed

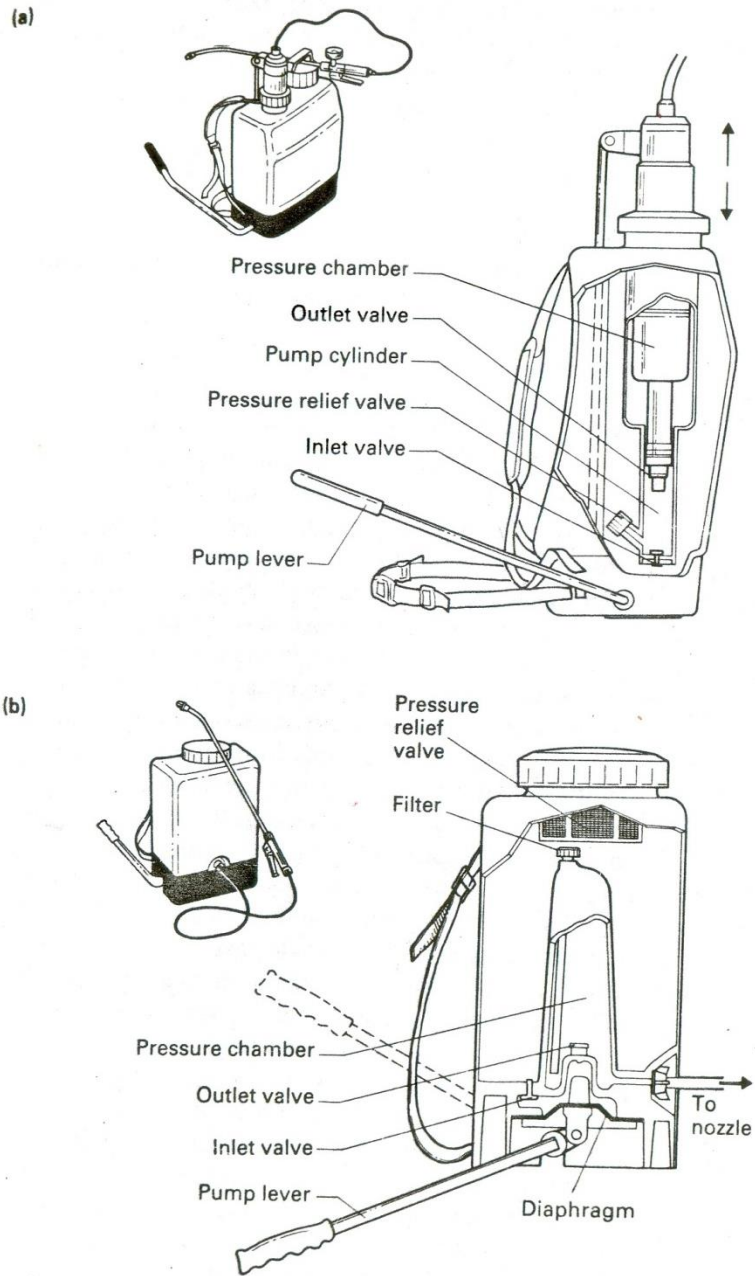


Fig. 6.1 Lever-operated knapsack sprayers (a) Piston pump type (b) diaphragm pump type (from BCPC publication)