

Both before and during harvest much may be done to ensure that the seed reaches the cleaners in good condition.

large amount of good seed being removed in the "seconds." The seed cleaner knows that he is obliged to produce a high quality line of seed and that in order to do so it is essential for him to sacrifice some of the good seed, much as he dislikes the necessity for doing so. That this sacrifice of good seed in dirty lines is necessary is not always recognised by farmers.

Seeds Discussed

It is quite impossible to make a complete list of impurities which are difficult to separate, as the difficulty of separation varies with the species of seed being dressed. For example, suckling clover (*Trifolium dubium*) causes little or no trouble when being dressed out of ryegrass, but 100 per cent. separation of suckling clover and white clover is practically impossible.

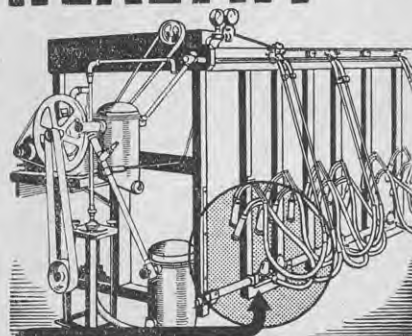
Thus, seed cleaners have for practically every kind of seed that they dress one or more impurities which they regard as their pet aversions.

The following information has been prepared with the object of pointing out to farmers the undesirable impurities in various kinds of seed as well as measures which should assist in their control from the farmer's end. As the treatment of seed at harvest time is also very important, some notes on this aspect are included where considered necessary.

Perennial Ryegrass.

Undoubtedly one of the most difficult impurities to remove from perennial ryegrass seed is the damaged seed of goosegrass (*Bromus mollis*). Whole and undamaged goosegrass is seldom troublesome, as it is larger than ryegrass seed, and can be riddled out with comparative ease. Damaged goose-

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Before the seed is sent to be cleaned it should be thoroughly dry. Damp seed is not only difficult to dress, but is also of lower value because of its musty smell and discoloured appearance.