

## GARDENING

### MANURING.

Manuring is performed for three good reasons—(1) to return the materials which have been used up by the last crop and the fertility that has been washed out of the surface soil into the drainage-water; (2) to feed the beneficial bacteria that manufacture the food materials into available food for the plants, and (3) to keep the soil in a good physical condition.

### FOOD MATERIALS.

A plant to be able to grow healthily must be able to obtain from the soil in which it is growing the correct amount of the following elements:—Water, air, phosphates, potash, lime, magnesium, iron, silicon, sodium and calcium. These elements must not only be in the soil in the right quantities, but the soil itself must be in the right condition, i.e., soft, and not water logged, so that the roots can penetrate it freely and there are right conditions for healthy bacteria to live and these elements into the right place, so that the plants' roots can absorb them when they are dissolved in the soil waters.

### FOODS IN SHORT SUPPLY.

In most garden soils generally there is enough of the food materials mentioned, but the following are often in short supply—Nitrates, phosphates and potash. In certain cases, on acid or sour soils lime is also deficient, and these elements must be present in the right quantities if first-class plants are to be grown.

### NATURAL MANURES.

Stable yard manure, such as cow, horse and poultry manure, also stable manure from horses, are good, because they not only supply nitrogen, phosphates and potash to the soil, but they also supply bulky organic matter, i.e., straw or other litter, which helps to keep the soil in good physical condition.

### ORGANIC MATTER.

Organic matter, straw, tree cuttings, vegetable leaves, weeds, etc., rotting down in the soil provide the beneficial bacteria with food to work on. They break it down into the simple elements which can be dissolved in the soil and the roots can take them up to the plant after they are so dissolved. This organic matter is necessary to separate the fine particles of soil one from another, to keep the soil "open" so that water can get down to the roots and drainage water can drain away. At the same time this same organic matter acts like a sponge in the soil, holding a certain amount of water which is very desirable, especially in light soil in a dry season. Organic matter in the soil darkens it and therefore

## HE FLEW HOME

### To Attend Father's Funeral

Mr. Michael Culhane, son of the late Mr. Michael Culhane, Bridge Street, Newcastle West, who died last week, is an Inspector of the B.O.A.C. at Hurn Airport, England. He flew to Rineanna to attend his father's funeral.

Newcastle West (writes our correspondent there) has lost one of its most esteemed and popular citizens by the death of Mr. Michael Culhane, licensed trader, Bishop Street, which occurred on Friday of last week at Limerick Co. Infirmary, after a comparatively brief illness. Aged about 64, deceased had been associated with the commercial, social and public life of the town for some forty years. He was chairman of the Newcastle West Town Commissioners up to the time of the dissolution of that body in 1941. Deceased was father of Mr. John J. Culhane, the well-known and popular turf accountant. Another son, Mr. Michael Culhane, an Inspector of the B.O.A.C. at Hurn Airport, flew from Britain to Rineanna for the obsequies. One of his daughters is Nursing Officer H. Culhane, Q.A.G.N.S.R., India. There was a very large and representative attendance at the funeral from Newcastle West Church to Churchtown Cemetery on Sunday. All sections of public, professional and private life in the district were represented in the huge cortege.

The officiating clergy were—Right Rev. Monsignor Hannan, P.P., V.G.; Rev. M. O'Grady, C.C.; Rev. M. Kelly, C.C.; Rev. J. Droe, O.M.I., Liverpool; Rev. M. Connolly, C.C., Mungret (cousin).

Chief mourners—John J. Culhane, Michael F. Culhane and Thomas Culhane (sons); Misses Kathleen and Bridie Culhane (daughters); Mrs. J. J. Culhane and Mrs. M. Culhane (daughters-in-law); Patrick and John Culhane (brothers); Mrs. Marrinan, Kilkee, and Mrs. O'Neill (sisters); Mrs. John Culhane, Mrs. C. Barrett and Mrs. M. Stack (sisters-in-law); Misses Molly and Nellie Culhane, Nellie, Margaret and Mary O'Neill (nieces); Messrs. Patrick, Michael and Cornelius Culhane, Patrick O'Neill and Kevin Marrinan (nephews). Numerous other relatives attended, and a large number of Mass cards, telegrams and letters of sympathy were received, including tribute from the Newcastle West Coursing Club Committee and Golf Club.

### A GREAT FIGURE

## MUN.

The Report for the year ending 31st December, 1945, shows a net profit of £1,000,000 and eighteenth net profits of £1,000,000.

The Result of the year ending 31st December, 1945, is £4,397,643.

The company has a net profit of £1,000,000.

Net Profits	...
Dividend	...
To Contingencies	...
To Reserve Fund	...
To Premises	...
To Staff Pension	...
Brought in	...
Forward	...
Capital	...
Notes Circ.	...
Reserve	...
Deposits	...
Cash at Call	...
Investments	...
Bills Discounted	...
Overdrafts	...
Premises	...
Total Assets	...
Liquid Assets Ra	...

AT 70 HE STILL ENJOYS HIS LIFE

SINCE RENNIES RELIEVE GASTRIC STOMACH

Even at three-score-year it is not too late to de