

THE WATERDOWN REVIEW

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G. H. GREENE
Editor and Publisher
Member C. W. N. A.

THURSDAY, DEC. 29, 1921

BUILDING THE GRANARY

Strength and Convenience Should be Carefully Considered.

Reinforced Concrete Is Preferable to Timber — It Makes the Granary Safer From Rodents — Rugging Potatoes.

(Contributed by Ontario Department of Agriculture, Toronto.)

No hard and fast rules can be laid down for the erection of a convenient and efficient granary. Each problem requires a knowledge of local conditions and requirements. Granaries, in the majority of cases, are built-in enclosures on the barn floor, and constructed with too little regard for strength, durability and convenience. These structures should be located immediately over the feed room, each bin having a chute with a controlling slide, or a canvas distributor to convey the grain to the hopper of the grinder; or, if the grain is intended for market, to a sack placed on the scales below the chute ready to receive it. To facilitate emptying the grain, the floor of the bins should be sloping.

Be Sure the Structure Has Sufficient Strength.

The important consideration in the construction of granaries and bins for loose grain is to be sure that the structure is designed with sufficient strength to prevent bulging of the sides and springing of the floor; for grain, owing to its enormous outward thrust, corresponding somewhat to that of water, has a tendency to burst the sides unless well braced or supported. Timber construction requires frequent repairs to prevent decay and general depreciation from use. It is always liable to climatic conditions. The boards will crack and shrink in the summer when the bins may be empty, and when the new grain is dumped into the bins an enormous quantity promptly disappears into the cracks and crevices and through mice holes, entailing considerable loss to the farmer, to the consumer and to the nation. Thousands of bushels of grain are, in this way, annually lost to the producers through sheer indifference to the condition of the granary. Yet this profitable waste may be easily remedied and made secure by lining the bins with sheet metal.

Good Concrete Improves With Age.

While there is an annual depreciation on a timber structure varying from four to eight per cent., concrete construction grows better as it grows old; hence concrete properly reinforced, is the ideal material for granaries, because it is both damp-proof and rat-proof, two very essential factors in the construction of granaries.

Concrete properly made to suit existing conditions, is absolutely impervious to moisture, and can be kept as dry as any structure of wood ever built. The experience of many farmers is that grain mature enough to be placed in storage will not spoil on contact with concrete, nor will corn mold, provided there is good ventilation and the roof is tight. To get rid of rats and mice destroy their nesting place and to this end concrete is pre-eminently the best material and is recommended for all farm structures.

Reinforced Concrete Pays.

Under average, present day, conditions a reinforced concrete granary may represent an additional outlay of about 25 per cent. over that required to construct of timber, but the high efficiency distinctive of concrete quickly offsets this increased initial cost. Concrete construction has many, in short, important advantages. The contents are safe from the depredations of rodents, is damp-proof, requires neither paint nor repairs, is fireproof, the grain is perfectly preserved under all conditions of climate and temperature, and the resulting structure is practically everlasting.—John Evans, O. A. College, Guelph.

Wood for Fuel in Terms of Coal.

In heating value one standard cord of well seasoned hickory, oak, beech, birch, hard maple, ash, elm, locust or cherry wood is approximately equal to one ton (2,000 pounds) of anthracite coal, according to estimates by the forest service, United States Department of Agriculture. However, a cord and a half of soft maple and two cords of cedar, poplar or basswood are required to give the same amount of heat.

One cord of mixed wood, well seasoned, equals in heating value at least one ton of average grade bituminous coal.

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NOTICE OF APPLICATION FOR DIVORCE

NOTICE IS HEREBY GIVEN that Mildred Emma Blachford, of the City of Hamilton, in the County of Wentworth, in the Province of Ontario, will apply to the Parliament of Canada at the next Session thereof for a Bill of Divorce from her husband, Albert Charles Blachford, of the City of Detroit, Michigan, in the United States of America, Editor, on the ground of adultery.

Dated at Hamilton, Province of Ontario, the 22nd day of August, 1921.

SNIDER, MORGAN & WALSH,
Solicitors for Applicant.
ANDREW T. THOMPSON, K.C.,
Ottawa Agent.

Notice of Application For Divorce

NOTICE IS HEREBY GIVEN that Allan Richard Morgan of Hamilton Beach in the County of Wentworth and Province of Ontario, Time Clerk, will apply to the Parliament of Canada at the next Session thereof for a Bill of Divorce from his wife Christina Fraser Morgan of the City of Aberdeen, Scotland, on the grounds of adultery and desertion.

Dated at Hamilton, Province of Ontario, the 5th day of October, 1921.

ORVILLE M. WALSH,
Solicitor for Applicant.
ANDREW T. THOMPSON, K.C.,
Ottawa Agent.

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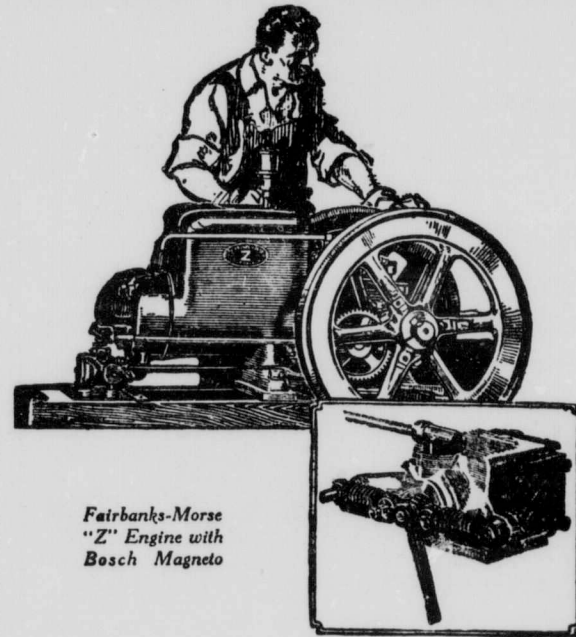
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