To Prepare Lones For Manure .- As mills for finger and thumb-was sufficient to prevent an grinding bones are very costly, it is a great socumulation of water within the boat. The ma desideratum for the farmer to know how he can Ichine may be said to be nearly solf-acting, the pow otherwise prepare them for his crops. By the er being obtained by a column of water passing by following simple method he can reduce them to a Imeans of a pipe through the boat, and productive fine powder and increase their value four fold.

them in a ketile, or in an old tub unfit for further The action of the pumps is increased in propor use, or even in a hollow scooped in the ground, tuon to the speed of the vessel, the ratio being? and made right by lining with clay. Next take the square of the distance, so that almost an w from thirty to thirty-five pounds of oil of vitriol limited power may be obtained. It is eaid that (sulphuric acid.) mixed with one-third to one-half a vessel of 400 or 500 tons, might, with one c its weight of water, and pour over the bones. In these pumps, be kept dry with almost any con a day or two, the bones will dissolve into a liquid paste, to which there must be added, by stirring in wood ashes or fine mould, until it is of the consistency of thick mortar. Put the mixture under cover out of the way of rain, and in a few weeks it will become a light dry powder, which may be applied by the hand or otherwise, to any kind of land that may require it. In preparing this mixture, great care must be observed to keep the oil of vitriol from touching the clothes or skin, as it will burn them as badly as fire.

The oil of vitriol, for this mixture, must be of a first rate quality, otherwise it would require a greater quantity than given above to dissolve one be continued yesterday-Liverpool Mercun hundred ibs. of bones. The mixture answers August 31 .- [This ingenious young gentlemen best for a turnip crop; but it is highly valuable is son of the late Michael Scott, Esq., of this city for other roots as well as for grass and grain. It and nephew of the late Michael Scott, authoro should be applied at the rate of twenty to forty "Tom Cringle's Log," &c. He is likely to take bushels to the acre, sown broadcast on grass land, a distinguished place in the scientific world.] in the spring, or on grain and turnip crops after harrowing in the seed. For gardens or field crops planted in rows or drills, as roots, corn, be gathered early in the morning, at the seast beans, peas, &c , it may be applied in the hills or when they are just beginning to flower. The rows at the time of sowing, or it may be after- dust should be washed, or brushed oil them, as wards sprinkled around the plants at the time of they should then be dired by a genue heat, hoeing .- American Farmer.

Improved Pumping Machine.-On Saturday lust, some experiments were made on the Leeds and Liverpool Canal, with the view of testing a newly-invented hydraulic machine, by Mr. Michael Scott of G asgow, engineer to the Liverpool water-works Company, to be applied to the pumping of ships and general purposes. A small boat, provided for the occasion, was drawn through the water, at the rate of about four miles and a half per hour; and though the water was allowed to flow in through the bottom in a powerful stream, the action of the pump-which was kept in operation merely by the pressure of the

a vacum, which is, by an ingenious application Take one hundred pounds of hones and place made to procure the most extraordinary resulv cervable amount of leakage, and that by the la bour of one man; besides, there is no probabilit of the machinery getting out of order, or the pump being choked, which is often the case wit the ordinary pumps. The principle is exceed ingly simple, and possesses the advantage of cheapness and durability, which must go ter ! bring it into general use. Several gentleme were present at the experiments made on Saim day, and expressed themselves highly gratified a the results. Amongst others who attended we Mr. Stanley, engineer to the Leeds and Liver pool Canal Company. The experiment was !

> To Gather and Preserve Herbs .- Herbs show quick as possible.

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