Hops as Manure.

The value of hops as taken from the brewery have been highly lauded as manure for the growing of vegetables. &c. Henderson in his "Gardening for Profit" gives the value of waste hops as superior to the best of stable manure; but we notice a writer in the best of stable manure; but we notice a writer in the Country Gentleman demurs to its value—we suppose mainly on the ground that intrinsically and chemically there is in this waste little material of practical available food for plant life, beyond a certain uncliable disposition to fermentation. We say unreliable, because we have found a pile of refuse hops drawn direct from the browery to give out a creat amount of heat at cortain ments while of atherem great amount of heat at certain points while at others the mass would be cool. Their value we have ever counted only as connected and manaled with fresh

Reening Work Ahead.

The great trouble with most of use that we lay out too much work to conselves to do. We get a great many things had done, and work twice as hard as need be, when the some amount of the trouble with most of use of the well trouble against the trouble with most of use of the well trouble and the trouble with most of use of the well trouble and the trouble with most of use of the well trouble with most of use of the well trouble and the trouble with most of use of the well trouble and the trouble with most of use of the well trouble against the trouble with the analysis and the trouble with the same trouble that the trouble with the same trouble the trouble with the same trouble trouble trouble with the same trouble the same trouble with the same trouble trouble trouble with the same trouble trouble trouble with the same trouble tr

Cleaning Liarness.

It is just as well to know that we should chan and oil the harness at least on a, y, to k, p it in good condition, and to reduce the weir relative is much as possible. Don't let the phoen to the harness maker, but some of these stony object, when the harness is not in use just? We don't be workshop and commence operations. Take the harness all apart, and scrape off all well, torse and dirt, and wash the leather clean with sope and hot water. Then heat 2 or 3 quarts of not both either through it slowly, bending the leather backward and forward, and rubbing the oil in with a both or sponge. Hang near the fire to dry and repeat the process until the leather is saturated with oil, my a both rub it into the leather while warm, until the porces are tilled and the surface becomes smooth and glossy. It a harness is oiled in this way it is never guinny, and will, therefore, keep a long time. Sometimes linseed It is just as well to know that we should chan and will, therefore, keep a long time sometimes linseed oil or adulterated oils are used. but they dry on the on or additerated ons are used, but they dry on the leather and make it guinny, dist and hairs stick to it, and the harmss gets so hathy as to soil every-thing it touches. After the harmess has had a good orling an occasional rubbing with tallow and lampblack will keep the leather tough and phable, and prevent it from cracking.

Vegetables on the Farm.

Faciners and others who rely on the or rops for a living could well afford to pay more fattention to the raining of vegetables for sale. It costs but little more time to have a variety than to have the one erop of instatoes only, as is too often the case. Our most thriving farmers around our cates, are those who cultivate a variety of vegetables and seif them with their market produce once or twice a week. One of the most successful farmers we know of grows largely of fruits and vegetables, has a large dairy and his own waggons distributing male. As fast as his various crops are ready they are taken to the city daily and sold directly to those who will use them. He makes a point of getting in his crops carly, and often He makes a point of getting in his crops early, and often is first in the market with potatoes, asparagus, beets &c. It is well-known how soon the proceeds of sales from the wife a bed of dubling reaches ten or twenty circumstances, an easy material to work and handle, mine dead mice.

dollars, and it is astomshing how soon a few extra articles added to the waggon load will count up. All farmers mainly agree on the absolute necessity of a good dairy. Indeed on many farms, even so far as good dary. Indeed on many lains, vertage at a fifty miles from the cities, it is the main reliance; the profits from this source alone in very many cases paying the rent and cypenses. When with this is brought daily to the city a full assortment of vegetables, the owner may be sure he will "get along." -Panoma Telegroph.

Rules for Handling a Gun.

1 Never handle a gun unless you know how nor suffer any person over whom you have control to handle one unless he knows how. You have no right to endanger your own lite, or the lives of others by handling a dangerous weapon in any other than the safest reason.

wall

3. Put a cap upon the cone and let the strike back almost to half-cock and let it fall. If the main-spring is good for anything the cap is exploded More accidents happen in this way than in any other. A gun is carried through underbrush dragged out of a bort, pulled on the ground by the muzzle, your dogs jump upon you, the hammer catches in your clothing; in either of these, and in a hundred other ways, the hammer is liable to be drawn back almost to half-cock, and then let fall upon the cap. If the gun is a good one an explosion ought always to follow.

tow
4 Now half-cock your gun, draw the hammer back
nearly to full cock and let it fall. It will stop in the
half-cock notch, and no blow is given. So always
earry your gun at half-cock. If you cock it, expecting to get a shot and are disappointed, hold the muz
zle straight up in the air, and let the lock back at
half-cock.

zle straight up in the air, and let the lock one of half-cock.

IV. If you know of no other way of ascertaming whether a gun is loaded or not, than by putting it in your mouth and blow, or if you feel inclined to draw the cap, retre to a safe distance and at once blow out your brains, if you have any, before you kill or main other people by your stupidity and care-locking a discrepancy. lessness .- American Sportsman.

Paper as a Material of Construction.

The Iron Age contains an article on 6the use of paper as a material of construction from which we con-dense as follows — Whether or not we are about to enter upon what will be known in the future as "The Paper Age," has lately become quite an interesting topic of discussion. Be this as it may, there is evidently a future for paper, in which it is to become the general, if not universal, substitute for wood, leather general, if not universal, substitute for wood, leather India rubber, and, to some extent, copper, tin, and zinc. During the past few years a great deal of attention has been given to this subject, and the results already attained, though comparatively unimportant in themselves, show the possibilities of time and it more or less perfect adaptation to a thousand uses to which no one has yet thought of applying it. In proportion to weight, it is probably the strongest material known, and combines more perfectly than any other substance, the qualities of strength, lightness, flexibility, durability, and cheapiness. So many and various are the materials of which it can be made, that it can be manufactured in quantities practically unlimited in every civilized country in the world, and so long as plants grow.

in short, it possesses every requisite quality, and, like many another material now indispensable, its utility is discovered just as we are beginning to feel the need of something cheaper and more abundant than wood, leather, and hard rubber to substitute for them.

some idea of the diversity of uses to which it has already been applied may be inferred from the fact that at the recent fair of the Franklin Institute, the display of articles made wholly, or in great part, of paper, comprised oil cloth, patent leather, and leather suitable for in oles, gas pipes, whip handles, saw handles, kmyes and forks, combs, buttons, washers, rooting, and car-wheels. There are also many other rooming and car-wheets. There are also many other uses to which we has been adapted, which were not shown, such as alats for window blinds, panels for doors and ceilings, boots, cellers, cuffs, bosoms, etc. The Japanese, in fact, make almost every possible article of clothing of paper, from a pocket-handker-chief to an overcoat. Even non is not adapted to uses so widely various, and certainly no other material has yet hear found which at the same cost could be has yet been found who h, at the same cost, could be made to answer so many purposes. These it must be remembered, are but the first fruits of American inventive talent, as yet scarcely stimulated in this direction; and what may we not expect when, with a growing demand, for manufactures of paper, there graving demand for manuscrities of paper, thero shall be more inducement, than now offers for inves-tigation and experiment. Why cannot our railroad cars be made or priner, instead of iron, as proposed, so as to prevent to danger of splintering and burning in case or accidents? As timber becomes scarce, our houses can be entirely built of paper. It is said that the paper pulp can be readily brought to such a state or toughness and soldity, by pressure, so as to be a most as the proof and indestructible as from. It requires but little farther progress in this new branch of manufacture to so pericetly and universally adapt it to all the varied requirements of the human lamily, that "the coming man would have little use for anything else from the time he was placed in his paper cradit, until he should be gathered to his tathers in a paper cashet.

Copper and gold will conduct electricity six times better than iron or tim, and twelve times better than lead. Zing will conduct nearly twice as well as iron. silver more than four times better.

DO IT WELL. There will be an inclination on the part of farmers this spring to slight the work of preparation of the soil. There will be much work to do in a short time, with little help, and too many will think short time, with little help, and too many will time that for this once it will do to get over the ground in the quickest and cashest way. Let us urge all who are thus oppressed, to consider the result. Cultivate less land and do it well, the crop will pay as well on a small space well tilled, as on a broad area halt cultivated.—Merror and Farmer.

Prog. I haves are largely utilized in Europe. are converted into a kind of wool or wadding, which is used for upholstery instead of hair. A kind of is used for upholstery instead of hair. A kind of humol 14 also made from this fibre, which is said to be very sinerior for many hygeme uses, as for rheumatism and skin disease. Vests, drawers, loose shirts, etc., are also made. In the process of manufacture an etherial oil is also obtained, very useful as a solvent, and as a curative agent. Gas is also made from the refuse and used for lighting the manufactors, or the entire refuse may be pressed into the form of bricks, when it becomes a most excellent substitute for coal.

MAYERS Manures must not be so exposed that the dashing rains will wash everything soluble out of them. Let the soluble elements find theirway to the them. Let the soluble elements find theirway to the soil, rather than to creeks and rivers. Economy, or the wart of at here, is enough to make a nation rich or poor. It will not pay to be manures flow to creeks and rivers, and then go to the Guano Islands to get them back again. Cat manures to convenient places and all the better if they are protected by a costing of earth till ready for use. Spread no more than can be plawed in each day, especially on hill sides. All manures cotused in the spring should be thoroughly composted and protected for future use. Ex