

The world is growing wiser and lazier every | engine never grows weary. So long as it is | that it will become almost a necessity of the supplied with food and drink, and properly household. day. People have found that in most varieties

of hard labor, it is easier to employ the action of the elements than it is to drudge and toil themselves. Hence it is that the steam engine, which is, after all that has been said by the inventor of the carbonic, and caloric, and static pressure engines, the only reliable power which can be used in any and all places-is being applied to almost every conceivable variety of manual labor. It is compelled to spin and to weave, to wield the hammer and drive the plane; it has been harnessed to the car, and hitched to the plow: in short, all the tedious drudgery which our forefathers performed with greater or less extent by this ready slave of the purpose. In manufacturing flour, and in making human intellect. Muscles tire, but the steam almost everybody will have their steam engine, to their agent, S. C. Hill, in this city.

duce the following qualities, superfine flour, se-

conds, shorts, and bran, one grinding is enough,

as all practical millers will admit. Of that qua-

lity called offal or middlings, which, when ground

a second time, produces flour called "fine," it

is unfit for bread, it being too dry to be palat-

able. If wheat is ground as it should be, the

offal or middlings will be too poor for any other

purpose than cattle feed. I never found any diffi-

culty in keeping the millstones properly dressed

and in good condition at all times, to make all

the flour out of the wheat in the first grinding,

taking out all the gluten necessary to give the

flour "a strong and good body." Out of two

hundred and fifty pounds or wheat, I make a

barrel of flour. You cannot grind flour too

fine, if the stones be properly dressed for that

the best yield out of wheat, the stones are re-

lowing manner: a small magnet was enclosed afterwards examining the tube closel y with Foreign Scientific Memoranda. quired to be kept in correct order, as they are HEAT AND PRESSURE .- A very ingenious apon the top of the wax, whilst outside the me- a lens, not the least opening could be 'seen by the entire "key" (not the bolting process) plication of scientific principles to determine the tallic chamber containing it, and on the same which the water could have escaped. This rewhich regulates the profits of the miller. Atpoint of fusion in a closed vessel, and a remark- level, a nicely balanced magnetic needle was sult far exceeds that of the celebrated J lorer/time tention cannot be expended more profitably able result from high pressure on fluids, were placed. The enclosed magnet acted on the experiment, by which the incompromisibility of than in keeping the stones in proper order. ncidentally mentioned by the President of the needle and deflected it, at a certain angle, from water was supposed to be proved by its forcing Birmingham, Pa. TOLL DISH. British Association in his inaugural address.- | its natural position; but the instant that the a passage through the pores of a gl obe of silver, Experiments were instituted by Mr. Hopkins, wax melted, the magnet fell to the bottom, and very thin in comparison with the three-quarter Resinized Oil of Turpentine. Mr. Fairbairn, and Mr. Jowle, to determine the the vibration of the needle immediately indica-F. Kuberth, in the "Chem. Pham. Centralinch iron tube. It was not ascer' ained whether effect of increased pressure in raising the tem. ted the fact. It was thus ascertained that un any of the melted wax had been force into the blatt," presents the following method of obtainperature of fusion. The substance operated on | der a pressure of thirteen thousand pounds on | pores of its containing vessel. ing a peculiar oil from turpentine resin :was inclosed in a very strong metal chamber, "Take the resin deposited from the oil of the square inch, wax requires thirty degrees and the pressure was produced by water forced common turpentine, which is kept for some additional heat to melt it; about one-fifth of the Omission. by a plunger acted on by a long lever down an time in casks or other vessels, and pour some whole temperature at which it melts under the In our notices of the thre shing machines in iron tube three quarters of an inch thick. Wax oil of vitriol among it, until it becomes of a pressure of the atmosphere. the Crystal Palace a few we eks since, we omitwas the substance employed; and it was of cream like consistence. It is then distilled in During the experiment, it was observed that ted to notice that of Zir amerman & Co., of course essential to ascertain the exact moment a glass retort, and furnishes a colorless oil, the plunger gradually descended in the tube, Charlestown, Va. The reason simply was, it which becomes brown when exposed to the that it became fluid when heat was applied .--and on examination it was discovered that the was entirely removed froi n the others, being on air. Its odor resembles that of rue and rose-As all the apparatus must necessarily be opaque, water had, under the influence of the enormous the lower floor. We have seen it since, and mary. Oil of turpentine, when similarly treat- the melting point could not be seen. The dif- pressure, been forced through the pores of the should think it a very g ood machine, cheap and ed, does not furnish this oil." ficulty was ingeniously surmounted in the fol- iron, three-quarters of an inch thick. On durable.

cared for, it will exert its ceaseless energies night and day without rest or sleep, obedient to tenances, which are represented on this page the slightest beck of its guiding spirit, the en- is intended to supply to some extent this gineer.

Hence the want of small portable engines is seriously felt by the public. The farmer wants work. We shall not so far insult our readers them to thresh his grain and cut his straw, to as to give a detailed description, although our ensaw his wood, and as soon as they are properly graver, from the force of habit we suppose, has constructed to draw his plow. The mechanic carefully lettered the engraving, but we prewants them for the various operations of his sent it in answer to enquiries which we are conworkshop, the manufacturer in a small way stantly receiving relative to such engines. Our wants those that require but little room, and readers can see it and judge for themselver. can be easily moved about as he may change whether it be what they want. All further entheir own muscles and sinews, is now done to a his residence, and we hope to see the day when quiries should be addressed to the manufac tuthey will be made so cheap and portable that rers, Hoard & Bradford, Watertown, N. Y., or

The engine and boiler, with their appur-

growing want. As our readers will perceive, it is all in readiness to kindle a fire and go to