

["Portable Steam Engine"]

Hale County [??] An article taken from "Scientific American" dated December 3, 1833 'Portable [Steam?] Engine' The world is growing wiser and larger every day. People have found that in most varieties of hard labor, it is easier to employ the [active?] 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 [?] of the carbon and caloric and [static?] pressure engine, the only reliable power which can be used in any and all places - is being applied to almost every conceivable variety by manual labor. It is compelled to [????] to [?] the hammer and drive the [plow?]; it has been harnessed to the car, and hitched to the plow, [the short?]. All the [?] drudgery which our forefathers performed with their own muscle and [?] is now done to a greater or less extent by this ready slave of the human intellect. Muscles tire, but the steam engine never grows weary. So long as it is supplied with food and drink, and properly cared for it will exert its [ceaseless?] energies night and day without rest or sleep, obedient to the slightest beck of the grinding spirit, the engineer. Hence the want of small portable engines is seriously felt by the public. The farmer wants them to [thresh?] his grain and cut his straw, to 2 saw his wood and as soon as they are properly constructed to draw his plow. The [Mechanics?] wants them for the various operations of his workshop, the manufacturer in a similar way wants those that require but little room and can be easily moved about as he may change his residence, and we hope to see the day when they will be made so cheap and portable that almost everybody will have their steam engine, that it will become almost a necessity of the household.

The engine and boiler, with their [?], which are represented on this page is intended to supply to some extent this growing want. As our readers will [perceive?], it is all in [?] to kindle a fire and go to work. We shall not [?] far insult our readers as to give a detailed description, although our [engraver?] from the force of habit we suppose, has carefully [lettered?] this engraving, but [?] present it in answer to [inquires?] which we are constantly

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receiving related to such engines. Our reader can see it and judge for themselves, whether it be what they want. All further inquires should be addressed to the Manufacturers, Harold & Bradford, Watertown N.Y., or to their agent, S. [?]. Hill, in that city.