## TO CORRESPONDENTS.

C. L. A., of D. C.-Yours will appear next week.
F. M., of N. H. -We answer in the negative your inquiries about self-acting machines.
R.E., of Miss.-We have carefully examined the sketch of your improved lathe, and regret to inform you that it is not patentable. Lathes for cutting
gearing, constructed substantially on the same plan, are manufactured by Messrs. Corliss, Nightingale \& Co., Providence, R. I
Ogles' Reaper. We shall much obliged to you for analysis.
J. H. B., of Ohio-We do not think a patent on the churn could be obtained; we have seen them improved mill stone is new, so far as we know. The
ind J. R., of N. Y.-A screw placed on each side of the keel is quite old.
R. H., of Mass.-The gutta percha interior tube would answer well, but it would so add to expenses that it would not be adopted; this is our opinion. J. W. H., of New York-We think your arrangement new and patentable. Wo had better send anydel of it to this office.
N. S., of Miss.-Shear-steel is so called because
prepared particularly for making clothiers' shears, and scythes; it is made by laying several bars of common steel together, and heating them in a furnace until they acquire the welding temperature.
The bars are then beaten together with forge hammers, after which they are drawn anew into bars. D. A., of Cl.-Mr. Whtechurch is supposed to be the original inventor of the hydraulic
M. F., of Ga.-By placing a red-hot iron ball in a colinder containing a racuum, the heat would be
communicated to the cylinder. Light does not require air to conduct it from the sun; it is not possible to form a perfect racuum in an air pump. We do not know what heat is—we know its effects, that
is all. T. F., of N. C.-The Daniel's Planing Machines are manufactured by Ball \& Rice, at Worcester, Mass; S. C. Hills is agent for this city, and will furquire.
J. N., of Va.-You are right; and your very idea or preventing people turning off and letting on the gas, is attached to the gas burner just before
desk. It is not, we believe, generally applied. R. A. G., of N. Y.-Your views of the causes of the strike are not stated clearly; we think you attribute the cause to piece work; if so, the men are entirely oblame.
W. C. Mc
or the docum. Y. We are much obliged to y and we shall make a good use of them. A. C., of Tenn.-We have received yo
swer to S., and will soongive it attention.
S. L., of Me.-Parker's claims can be exacted for the use of the wheel at any time since 1828 , to Jan., 1852 -not otherwise. The question of the claims of
the different water wheel patentees is a complicated business ; refuse to pay them all, and stand an action for damages-that is our advice. B. B., of Ohio-We do not think there is any such
work in existence. A monthly publication would be equired to treat with the progress made in that branch.
G. B. B., of Me. -When it is apparentthat a party can, but really for the purpose of availing himself our time and services, in giving him ten times that mount worth of
P. C., of Mo.-The Patent Laws were duly sent. machine in a few days, and insure as you direct. Line on the 23rd.
H. \& S., of Harpisburg-A mortising machine was 23 rd ult
W. C., of $\mathbf{N}$. Y.-It is a fact that fowls do oil their feathers; the oil they obtain from a receptacle secreted under the feathers near the tail,
M. W. St. J.. of N. Y. - Weare not a ware P. F., of Vt -Your mode of fastening scythes
the snath is believed to be new and W. K., of 0 .-Yourexcusefornot having contin d the Sci. Am., is indeed a good one. The number shall be preserved for you as you direct. Money received on account of Patent Office bus ness or the week ending April24


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