# CHERAW GAZETTE 

PEEDEE FARMER
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## 

EDITO
 in our fuirs for the last twenty years and and
we find that many, of what was considered the most usefuls sort have now entirely dis-
appeared. The breed is quite extunct. Where for example, do we now find the fine short legged handsome cob, whose ac.
tion and strength enabled him to go any
pace, and to carry any waight that could pace, and to carry any weight that coula
ride? How few of the splendid carriage ty years ago are now to be seen! Nay, how
few of anyythug really good is there to be
The breeders having paried with their
best mares, are now under the necessity of best mares, are now under the necessity of
emploging those which remain. For these,
perhaps, they look out for a perhaps, they look out for a good norse;
but whatever may be the good qualities of the sire, the produce will, in a greater
less degree, receive the impression of
dam. If she want size, or is defective her formation it is a hundred to one if
foal does not exibitit many or most of $h$
defects. The siock, however, is reared, Coffects. The siock, however, is reared, and
day
may it thought, turn out a good horss ;
and certainly we are sometimes d surprised in the progress towards perfection
which some badlike foals make ; but, in general we are disappointed. stock, a fine sound eyc, a pleasant counte.
nance, with the organ of bunevolence (as the
phrenologista speak, fully developed is phrenologists speak, fully developed in the
breadth of the forehend, is not to be overposition ; but the previous history, if known, is The most critiorion to found an opininoow on.
The most conspicuous degeneration ts to be found io the strength and due propotion
of the diffurent parts; the limbs and body are not in harinony with each other, and
almost ant likere is wat of sirength. L
size and strength, therefore, be kopt
visw size and strength, therefore, be ke kept
viaw; but let all have proporion.
the form of the body we have a stron the form of the body we have a sirong
index of the constitution! on the form
of the chest depends in a great degree the of the chest durability of the race-horse; it
bottom and dut
is the essential of his wind. The exterior of the chest, the ribs and their nnuscles, and
the diaphragm, are the active agents in re.
eniration; the lungs themselvcs are passive. epiration ; the lungs themselvcs are passive.
Upon the mechanical formation, therefore, of the ribs, depends in a great degree the
powers of respiration; they must be long powers of resp the posterior part to form a
and arcula at
large thorax. Unless the cliest (thorax) be large and easily acted on by the muscles,
when the animal is making great exertions,
ase us the blood is then flowing through the eungs
with a velocity increased according to the
degree of exertion, it must either pass through in an impure, state, and be sent to
other paris of the system unfit to fulfill its other parts of the system unit to fulinil
proper office, thus allowing the body to be
come fatigued for want of due nouristment or otherwise by the chest not being capable
of sufficient eolargement to admit of the free
flow of blood through the lun $\bar{j}$ s, the animal becomes almost choked, by the inability of here lies the connection between the blood
and the mechanical formation. A capecious the euable the animal to con-
ally necessary to
tinue any protracted and severe exertion.But thcre is a form also necesssry for speed.
In order that every part may contribute to In order that every part may contribute to
the same end, we find, in a.l well.formed
animals for speed, that the anterior of the chest is somervhat flatened on the sides, to allowed to approximate, which is indis. pensably neeessary in rapid progression.-
Without this arrangement there would be a
constant changing of the centre of gravity during motion, and instead of moving i
smooth gallop or trot, the horse with a w smoo:h gallop or trot, the horse with a
chest would be waddling like a duck.
A natural elipsis should be presen the front view. On the other parts of the
trunk I need offer few remarks. Of length we generally have enough, but the breadth and muscular, in which case length is an
advantage ithe whole trunk shoulddescribe
a sweeping natural outine formed by two gentle curvcs, the posterior being tho slight.
est, which is formed by the est, which is formed
have the tail well up, good goers. But we may see i well. formed good goers. But we may see a well- 0 rmed
trunt, and still find some important parts
deficient; we may see a well-made body, deacient; we may see a well-made legs and
with legs unfit to carry it. The lo
feet are the most importont parts to be at. feet are the most importont parts to be
tended to in the whole machine. But it

ered with a layer of asphaltum, procured
near Seyssel, in the Department of the

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\begin{aligned}
& \text { asphattum is poured may be varied at will. } \\
& \text { For greater convenience of carriage, the } \\
& \text { siize of the pieces does not exceedd a cubic } \\
& \text { foot. The inner surface of the forms must } \\
& \text { be of polished metal, that the asphaltum }
\end{aligned}
$$

$$
\begin{aligned}
& \text { be of polished metal, that the anphalnm } \\
& \text { may not athere toit. M. Brilliante makes } \\
& \text { use of cast iron fosisis. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { A sphaltum possesses a quality invaluable } \\
& \text { in the art of buid ding; that of being perfec- } \\
& \text { Iy ieppenetrable to waier. In warm weath }
\end{aligned}
$$

$$
\begin{aligned}
& \text { er it is somewhat fexible, so that slight in. } \\
& \text { equality the surface on which is is lid } \\
& \text { dous not prevent its durability ; but in cold } \\
& \text { weather it becomes brittle. It attaches itself }
\end{aligned}
$$

$$
\begin{aligned}
& \text { weather it becomes brittle. It attaches isell } \\
& \text { strongly to any dry, roxgh surface, and does } \\
& \text { not allow water to pass through where it }
\end{aligned}
$$

$$
\begin{aligned}
& \text { not ollow water to pass through where } \\
& \text { has been joined together by heat. } \\
& \text { Artificia! blocks may be made of asph }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tum, and laid like blocks of stone or bricks; } \\
& \text { bot a preferable metho of using it is, to } \\
& \text { f.ofit by its propery of being easily melied, } \\
& \text { and to pour it.tout upon the pot, in one solid }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and to pour it out upon the spot, in oioe solid } \\
& \text { mass. It } \\
& \text { casions unnecessaraly useless, and only ocense to have it very }
\end{aligned}
$$

$$
\begin{aligned}
& \text { thick. } \\
& \text { Its proper use is evidently to cover th } \\
& \text { surface of a pavement or building, when i } \\
& \text { is required to render them water-proof, o }
\end{aligned}
$$

$$
\begin{aligned}
& \text { to give them a considerable as well } \\
& \text { form power of resistance agains friction. } \\
& \text { For this parpose it is auficient to phor } \\
& \text { a thin layer from one to two inches in thick. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { a thin layer from one to two inches sin thick. } \\
& \text { ness, } \begin{array}{l}
\text { over the surface of a building, of what. } \\
\text { ever material, earth, wood, stone, \&c.. it } \\
\text { mav be comnosed, and in whatever position }
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { The ispiatum shoold at once be poureu he } \\
& \text { over to the full thicknegs required, as hot } \\
& \text { asphalum will not attach itself to cold, nud }
\end{aligned}
$$

$$
\begin{aligned}
& \text { it cannot therefore be poured over in suc } \\
& \text { cessive layers. } \\
& \text { It is equally uscless and unnecessarily e }
\end{aligned}
$$

$$
\begin{aligned}
& \text { pensive to make use of pure asphalatun ; it } \\
& \text { it is melted on the spot where it } \\
& \text { is wanted, and to one part of it are added } \\
& \text { three of dry, coarse.grained, hard sand, } \\
& \text { which has been first passed through a seive, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { which has been first passed through a seive, } \\
& \text { in order to cleanse it, and to obtain grains } \\
& \text { of uniform sizz ; it is then carefully mixed } \\
& \text { together. and this composition is used in the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { of uniform siza; it is then caretully mixed } \\
& \text { together, and this composition is used in the } \\
& \text { work. For the sake of brevity, however }
\end{aligned}
$$

$$
\begin{aligned}
& \text { work. For the sake of brevity, however } \\
& \text { we will sometimes call it simply applaaltum. } \\
& \text { I will now describe, as I vincssed it in }
\end{aligned}
$$

$$
\begin{aligned}
& \text { I will now describe, as I witncssed ti in in } \\
& \text { Paris, the way in which one of the boolevards } \\
& \text { was paved with natural and ortificial asphal }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ly the same. } \\
& \text { One each side of the boulevard is laid }
\end{aligned}
$$

$$
\begin{aligned}
& \text { oordon of hewn stones ; the one towards th } \\
& \text { houses rather higher than the opposite one }
\end{aligned}
$$

$$
\begin{aligned}
& \text { houses rather higher than the opposite one; ; } \\
& \text { consequently the surface of the asplatum, } \\
& \text { extending in is straight line between then, }
\end{aligned}
$$




