Varnish, &c. I beg to exhibit in own experiments with the action on the Mineral found at Frederick will insist on calling Asphaltum, it the well-known action of these Asphaltum:—

Asphaltum:—
Asphaltum.

Five parts rect. petrolium dissolve one part of Asphaltom without heat.—Thomson's Chem. v. 11., p. 370.

Caustic Potash dissolves Asphaltum.—Ure's Dict. dry. Caust no action

Pure Asphaltum dissolves in Turpentine, without leav-ing any residuum.— Ure's Dict. of Mines. ing any residuum.— Let's actional Dict. of Mines.

It will be evident from this coment, that the chemical behaviour is quite different from Asphalt Gesner's assertions regarding its pentine and Naptha, &c., are qui prove this more fully. I offer the cates from eminent Chemists, on date from Dr. Chilton than the that Chemist has since had an or carefully analyzing the Mineral, nounces to be Coal; and, I may application of Dr. Gesner for a retificate of analysis, that Dr. do so, in consequence of its harously called Asphaltum, a fullering disclosed the fact that the classed as Coal.

"The sample marked 'Coal fr
is unquestionably to be classed a
the analysis shows, a highly bittl
I have subjected it to the test o
tine, as well as to the action of 6
either case only a small proport
It does not melt with heat, we
eastly melted, and dissolved reapentine and Chloroform. The aiyield, Vol. Matter,
Fixed Carbon,
Ashes, ...

(Signed) JAMES R. (New York, Feb. 10, 1851.

I have examined the same Minera New Brunswick.) analyzed by Dr. Cl with him in his results. It is a true tum.

(Signed)

Profes
Laboratory of the Coll. of Phys. & S
New York, Feb. 18, 1851.

I have examined the Coal from Hilling it to be a highly Bluminous Coal the opinions of Drs. Chilton and Torre (Signed)

B. Str. P.

New York, Feb. 26, 1851. To judge merely from the external stance exhibited to me along with the I should not besitate to pronounce it cannel coal in many respects, but do in the manner that the latter does, men was exhibited to me some was thaving a resemblance to Jet, but it is ture which is generally obvious in the

(Signed)
Columbia College, N. Y. }
3d March, 1851.

Laboratory of the College of Physic New York, March 13th, 1351.

The above certificates must he mind that the bituminous Fredsrick Brook, Hillsborough most indubitably a Coal. As England has just put me in pos of other certificates, from some Mineralogiets and Chemists in I intend to publish on some fut time permit me to present the old instructor, the celebrated I

I hereby certify that the shining I you put into my hands this morning, a true Mineral of the Geological Co fore in every sense of the term popu a truly Mineral production or substativity I am your's truly.

ANDREW U

京八

Let me now advert to Dr.

Let Asphaltum differs altoge
Geological position and relation
the earth in regnla, seams with
the strata of the bordering roc
and occur in this manner, but
at the surface, or in dykes the
strata at all angles." True, as
plete ignorance of the locality
fornd, or a want of that acum
which, as a Geologist he ought
when he pretends to affirm that
fion is found in Hillsborough,
strata; so far from that, the ma
Mine, Frederick Brook, as w
ones that I discovered in that
parallel with the bordering strat
which take a North East and So
which is the general course of
ral veins that have as yet bee
Province.

So much for the truthfulness
sertions. I now proceed to di
strange denial of his own forme
regarding the Coal found at Fr
6 mpare his present with his for
ow says, "In those Reports,
existence of both Bitumen and
is nouthere represented as bein
where the Asphaltum is now d
eral that the Doctor asserts to
tracted from a mine sunk in tric
Brook; and to show the
prevarication of his present sta
his third Geological Report of
27, the following: "Some in
received of indication of Coa
a branch of Weldon's Creek
Petiteodiac, between its mouth
sisted by Mr. Edgett and tw
quainted with the woods, I j
the Brook and the ravine thro
and having chosen a sessons
streams were low, which enat
the bed of the Brook, we coll
tion the means employed cou
"The first indications of
near a meadow formed by an
about three miles from the ris

...