## EXHIBIT 3

1
Case 1:06-cv-01502-AWI-DLB Document 94-6 Filed 10/18/10 Page 2 of 30


OF THF
ENGLISH
LANGUAGE
by noah wébster, ll.d.


Br CHAUNCEY A. GOODRICH, D. D., LLL D.


AND NOAH PORTER, D, D.
ULARK PROFESSOR OF MORAL PHILOSOPHY ANI METAPHYNJIGY IN YALE COLLETE

VOLUME 1.


CAMBRIDGE
非rinted at the kiberside 羽ress
FOR G. \& C. MERRTAM, PUBLISHERS, SPRTNGFIEIJ, MASS.
1865

## CONSTLPATHE






 \& 5

Prex chataco



rowding any thing into a less combeing crowded or preseed to




 pobsgryige to form, compose, or
Body doul, and reation are the three parth. neceamarily con-
2. Hayling tho power of electing or appointing. A A quebilion of rigit arleen between the consilurent and repre-Cond-btlita-ent, $n$, 1. The pergon or
ebtablishen, dotarmines, or constructs.
Thelr Art compoaura and origination require it higher and nobler condititempthan ehance. 2. That which conetituter or compones, as a par
or an esential part a coroponent ; an element.

Thiment. 3. Ono who aesiata to appoint or elect a repreten fatye to who asiate to appoint of or employpont
oran-jitifec bometimen practiced by conddaten for offeem in
comenertory) A person whol appoliti another to act for hmo attoriey in fact
 sonstititum, from con and sitauere to place, set;
or canhtituer, Pr. \& Sp. constituir, tt. constiture.
 thatidyppofited and constituted by lawfol au thoyty 10 eje formal existence to; to male up; to Cotopoet to form.

3. To appoint, depute, or elect to an offles or em
 man that will not obey the king'a constitute."
Obntstita/tor, n. One who contitutes or appolnts,
GUn'pti-tu/tion, n. [Lat. consitititio, Fr, constitu-
 It. constituzionie, costituzione.
I, Tfie nct of constitutiog; enacting, eatablishing, or apponting; formation.
structure and connection of parts, which characterizen a byetem or body; natiral condition; make; oonformatuon.
 Our comititufors hiviva never been enfeebled by the viection
Suxithei of the ond worlu. 8. The principlece or fundamental lawe which governa a tate or other orgmuized body of mep, and are enbodied In pritten documents, or implicd in tho Intitutlon ind usagen of the country or bociety ; organle hivis
 4. An authoritat ve ordinance, regulation, or cn-
 in, the Constitutiont of Justinitin: "The postive condtivutons of otir ownchurcies: , .. Po posive

 conistitutlothl, It, costitterionale; ]
1 Belonging to, or inherent in, the conatitution, or in the atruce ure of body or inint; as, a constitutional infirmity, constititional ardor or dulliess. 2. In aceordance with, or authonzed by the con
gitution of a government or a society. "To jm sititition of a. government or a qociety. "To 3 m
prove entablishmenta thenselves by constitutiona prove estabishmenta thembelves by constitutiona
means.".
3. Regulated by, dependent on, or becured by,

## 281

contetration ; as, comatitutional governinent 'consti tutional rightur Hallam, doubte. "The anclent constitutional traditions of the state.: Nacculuy. 6. For the benedt of the constitution
stitutional walr. iEng. Universities.] corn/eti-tartion-al, n. A walk or other exercise tigen for the benefit of health or the conatitution. Teperaty termida anld to have orlginated at Cambridge edn/stitntthon-al-Igm, fi, The theory, prinel plei, or authority of an contitution, Carlyle conentitution.
2. A reformer of constitutions, "The revolutloniata and constitutionwilists of France." Durke
 Gp. constituctonalithad.]
inherent in the natural frame; as, the cor of beling ality of disease. 2. The state of being consiatent with the constitution or frame of goverimont, or of being authorized by ite provisions. $\quad$ Hurke. CAnsati-th'tion al-Tze, ${ }^{2}$. To take a walk or
othar exercibe for the berteft of the healith, [Eng. Other exarcibe for the bertefit of the health. [Eing.
Universifies.] OXn'sti-tistion
 the eonetitution or natural frame; naturally, "The 2. In ateot conce with the congtitution or frame of Government. OXn'ati-tition-a-ry, a. Constitutional. [Rare.]
 eonstitution of whe, [is. \& Ap. constitutity ] compose; elemental; estentidl.
An ingredient and conartimive part of cy fig virtac. Barrowe.
 eanatitutitg itively, ailv. In a constitutive manner,
 pr, th, contrandre it, constrignere contfringere, costringere, O. Bp. constryngir, N, Ap constrellis, $\mathrm{Pg}_{\mathrm{a}}$ constimyir, Pr , costreiguler, contraigner; from Lat. constrongere, from con and stringere, to dram tight to strain.

1. To secire by bonds to chiant to conifinot
 2. To bring into $\frac{1}{}$ nariow compagit to pomprasp; to constrlet.

My ire in cave contrain the windot $t$ Dryden
2. To urgewidh triedhible powergto compel to

Eyf. - To eompel; forcef drive ; tinpel; dipe; press. Con-atranfable afy Fo, Monsitratgnable, if Fr, contraignace
forced, or represted, forced, or reprebed, chable to conitrafnt or to yo
straint. Con-atrinised -y, adb, By constraint; by com: pulaton. rint
$r$ Con-strain/or, n, One whoconatraine. trathes.]
3. The act of conetriming, of the state of being conatrained; compluision, restraint; confinement 2. That which conetralnt, any foree or power Whith compela to, or restrains from, action; neces-
 Gyn. - Compulalontyislence, necessity, nrgency, Constuant binding force; ing the contragity of necessity ; the constraint of ont. Comptulatom mplleia the exertion of some stain of imar. former prevents us from acting ajreenbly to our wishos:
the latter foreet ta to act contrary to dur will: A soldier
 subject to much compulsion to make him move ns desired. Compuldion, "p always prodiced by some netive ngent; a contraizu may be laid upon us by the forms of
civll soclety, or by other oinward cirenmstances. Crabp. Commnndy are no conatrainta. If I obsy them, hillon. Con-strin intive, n Hining powger to compel. [nare] "Constralining necesithy of a construmptive Con-striet, $v, t$ [inp $g p_{1} p$, Constricted; $p$.
 to blidd to cramp; to dravi into a narrow compnas ; to contract of cause to shrlak. "Euch ibings as constrict the fibers,".
Con-strict'ed, pr., ,
I. Drawn together; bound;
con (
4. (Rot.) Contracted or com-:
preqsen 80 as ertain places or parts than in
certain places or parts दुaд in (f Constrictod Pod
othors, on-strition, n. Lat. constrictio, Fr. onstric

CONSTRUE
chon, Priconstricciog Sp, constricolon, It coatri
 gongtriptod thest of of adingor befng bound, A








 Etrong Ilquort conatringe, handen the fibert, no do coofulate
the fluide
 Having tha quallty of contracting bondit orcon
 pr. 8t tb. $n$. constr ucting.] [Lati. conidtrubere, con-
 ordar; Fr. construive, Pr, congi
\& Pg. construtr, It. nostruire.]

1. To put together in their proper place and order the congutuent parta of; to propld; place form; ard, to construct an edifice.
2. To devisence and put in an orderly arrangement;
to arrange; as to constrict ther to arrange; as, to construct a theory of ethics.
To construct an equation (Math.) to form a geometri-
cal tigure corresponfing to tho equation.
Syn.-To bulld; erect; form; winke; originate; to-
Efn'striet, $a$ Formed by, or relating to, constrac
tion, interpretation or inferance ance.
Consfruct forms or state (Heb. Gram.), the form which In the genitive relation, ls qiven to the poverning qubstatsulpythitive, nind which indicates it congection with the dependent word. The Infinitive of the verb is also some-
times sald to be in the constrict stite when used as. governing word.
Gon-striletfer, n. One who constracts or frames. Con-mationetilion; n. [Lat:constryctio, Fr. construcion, Pr, constrictio, costructio, 8p. constriccton, It cosithetione
3. The net of constructing; the act of bnllding or or dovising and forming i fabncatiot, compont any the manner, of puthing the whole: the parts of forg t tructure, conformation, An estrolabe of peculis goidetuction." The arrangenant and connection of Foide in a ferteico, by ytactical arranyement. plaintnef decloration or fact; fin atiributed oreme or fütentionturgerstanding axplanationt Gence:
 Construrron or an equation (Hath), tho fraw iof of
 quanther
Con-itr
Con-trifetion ap, Pertaphato construotion; deduced frow conatruction or interprefation; con-Com-straction-st, $n$. One who congtruee a writ-com-strachic or public instrum,
ing ont.
con- हtritict $\cap v e, n$. [Fr, construictif, Pr.constructiu.] 1. Having ability to construct or formi, employed in conatruetion; $\mathrm{AB}_{9}^{-}$to exhibit constructive power or talent.
 Construcfive account, that department of an acconnt con triterve 13 In ponetriction con-stritictive-ky, adv. In p constructive map
nor; by way of construction or interprotition; by falr'inference.

Con-stritettve-ness, n. 1. Tendenoy to form or construct.
4. (Phren.) The faculty wbith prealisproses to conatruction, mechanscal, artiatic, or IIterary Combe. Com-stritet'Ere (kon-stritit'ypr, 53), th: That which
is constructed or formed; an udifice; anbrict. [R.]


 INO. To oxhibit the structure, nitaniement, ana connection of, ae of a Bentence orginabey ta explain the

5. To put a congtruction upont to gxplaln the senge or intention of tointerpiet to underitaind.

 36

## EXHIBIT 4

# dictionary 

## ENGLISH LANGUAGE.

MTLTA RENABCENTUB QUA JAM CECIDERE, CADENTQUE
QUE NUNC BUNT IN HONORE VOCABELA, II TOLET USUS;
GURM PENEg ARBITRIUM EST, ET JDS, ET NORMA LOQUENDK,
भовася.

BOSTON:
BREWER AND TILESTON. CLEVELAND: INGHAM AND BRAGG.
1863.

## Casertirobxono 1502-AWI-DLB Éoc*

2. To stop up; to close. "Constipating or hutting up the capillary vessels." Arbuthnot. 3. To make costive

Hatd and vehement friction doth constipute the body,
CÖN-STI-PA'TION, n. [L. constipatio; It. costipazione; Sp. constipacion; Fr. constipation.] 1. The act of constipating; a crowding to gether; condensation. "A pretty close consti pation of its particles."
2. Costiveness.

Arbuthnot
 of constituents.

Lord J. Russell
CON-STIT'U-ENT (kon-stăt'yu-ęnt), a. [L. constituo, constituens, to put together ; It. costitu ente; Sp. constituyente; Fr. constituant.] Forming; composing; constituting; as, "The constituent parts of a compound.'
CQN-STTITT'U-ENT (kon-stit'yụ-ent), n. 1. He who or that which eonstitutes, eomposes, or forms. Their first composure requires a higher and nobler con-
Hale. stituent than chance.
2. An elemental part; element; principle. the aliment.
3. Ore who depules another to act for him, especially in political matters; an elector.
You may communiente this letter in may manner you
Dyinke.
COLN'STI-TŪTE, v. a. [L. constituä, corstitutus con, with, and statuo, to set up; It. constituive; Sp. constituir ; Fr. constituer. [i. constitut ED ; $p$. CONSTLTUYING, CONSTITUTED.]

1. To build up ; to establish; to institute.

This Brutus had three sons, who constituted three kingdom
2. To form or compose as an elefinent. Men who their dutiea know,
But know their rlights, nnd know kiug, dare maintain, And cruph the tyrant while they rend the These constitute 4 stane.

Sir W. Jones
3. To appoint, depute, or empower; as, "To constitute one an attorney."
Syn.-Constitute a government; frane a conetitution; form a plan or syatem of education ; found colleader: appontt t minister ; depute a member to present a petition. - Bee Aproint.
$\dagger$ CON'STI-TUTTE, n. An established law.
a man that will not obey the kling's constitute. Preston, (1561.) CON'STl-TŪT'-ER, $n$. One who constitutes or appoints.
CÖN'STI-TŪT-ING, p. a. Giving existence; establishing.
COLN-STI-TŨ'TION, n. [L. constitutio; It. constituzione; Sp. constitucion; Fx. constitution.] 1. The att of constituting; formation.
2. State of being; peculiar structure; state of all the organs of the body; natural qualities, particularly of the body or of the mind.
This Hipht, being restored to its pristine conatitution, be-
came of the same condition an at firs. Beauty is nothing elese but a just pecord and harnony of the memberf, animated by a healthful coastitution. Drigden
He defeuded himself with undauted enurage, and leas He defeuded himself pith undaunted courage and less
3. The body of fundamental laws, as contained in written documents or estabished by prescriptive usage, which constitute the form of government for a nation, state, community, association, or society; as," The constitution of the United States"; "The British constitution:" 4. (Eccl.) A regulation or canon respecting the doctrine or discipline of the church.
The number of constitutions (of the Church of Englandi)
5. (Roman Lauc.) Decrees of regular authorities, particulerly of the emperors. Brande. CON-STI-TŪ'TYON-AL, a. [Sp. constitucional; Fr. constitutionneh.
the body or of the mind in the constitution of the body or of the mind; natural,
It is not probable any constitutional tillnems will be commu-
nicated with the sman-pox by inoculation.
2. Consistent with the fundamental laws, or with the civil constitution ; legal.
The Long Parliament of Charles I., while it acted lu a
constitutional menner, redreased many heny grievanees.
3. Pertaining to a civil constitution. "Constitutional freedom." Polit. Dict.

CÖN-STIT-TU'TIONN AL, $n$. Exercise for health, as walking, boating playing at football, cricket, \&c. [Cambridge Univ., England.] Bristed. CÓN-STI-TU'TION-AL-İ̧M, n. Constitutional principles or government. [R.] N. Brit. Rev.
CON-STJ-TU'TIQN-AL-IST, n. A framer or favorer of a constitution; an adherent to a constitution.

Burke.
CON-ETI-TŨ-TION-ALII-TY, n. The state, or the quality, of being constitutional, or in accordance with the constitution; as," The constiuntionality of a law."

Ed. Rev.
nor This word, which is regularly formed from U. S., but comparatively little used in England.

OON-STI-TU'TION-AL-LX, ad. Agreeably to the constitution.

Ld. Chesterfield.
CON-STI-TU'TION-A-RY, $a$. Consistent with the constitution; constitutional. [R.] Marshall. COLN-sTI-TU'TIQNED (-shund), p. a. Having a constitution. "These tender-constitutioned ladies." Spectator,
CON-STT-TU'TION-İST, $n$. An adherent to the constitution ; a constitutionalist. Bolingbroke. | CÓN'STT-TU゙-TIVE, a. [It. \& Sp. constitutivo; Fr. constitutif.]

1. That constitutes or forms; elemental; elementary; essential; constituent.
The contitutive parts of a echiematic being the estegm of
Decay of Piety.
2. Having the power to enact or establish; instituting; creating.

Johnson.
OON'STITTŌ-TIVE-LX, ad. In a constitutive manner.

Harrington.
CON-sTRÅIN', v. a. Li. constringo; eon, with, and stringo, to bind; It. constrignere, costrignere; Sp. constrenir ; Fr. contraindre.] [i.coN-
strainki ; $p p$. connstraining, constrained.]

1. To urge by force; to compel ; to force; to enforce; to coerce; to oblige.
And the Lord anid to the servant, Go out into the ways and hedges, and constrain ment to enter, Wisk wickiffe's Trans. 2. To confine; to restrain; to repress; to hold.

My sire in cavon conatraine the windi. Drycten.

$$
\begin{aligned}
& \text { The droway prophet, and binds in chatis constraiz } \\
& \text { The drowsy prophet, and hie } 1 \text { imbr constraine }
\end{aligned}
$$

Dryden. 3. To violate; to ravish.

Shak.
Eyd.-See Cozrce.
CON-STRAIN'A-BLE, $a$. 'That may be constrained.
"They are now . . constrainable." Hooker.
COR-sTRAIIN'ED-LY, ad. By constraint. Hooker. CQN-STRĀIN'ER, n. One who constrains.Johrson. CON-STRĀIN'ING, p. a. Hindering by force; compelling; restraining.
CQN-STRAINT', $n$. [Fr. contrainte.]

1. Compulsion; force; necessity;
2. Compulsion; force; Decessity; obligation. Bitcer conatruint snd and occasion dear,
Compel me to disturh jour semon due.
3. Confinement; restraint; imprisonment. His limbs were waxen weak padraw
Syn.-Bee Compulaion.
CỌN-sTRAIN'TIVE, a. Having power to compel. "Any . . constraintive vow." [k.] Careto.
CON-STRICT', v.a. '[L. constriugo, constrictus.] [i. CONSTRICTED ; po cof TRICTING, CONsTBICTED.] To bind; to cramp; to contract. "Such things as constrict the fibres." Arbuthnot.
CQN+STRÏCT'ED, p. a. (Bot.) Contracted or tightened to as to be smaller in some parts than in others, as shown in the cut.

Loudon.
CQN-STRIC'TIQN, n. [Y. constrictio; Sp. constriccion; Fr. önstriction.]. The act of constricting; contraction; compression.
The conotifition or dilatation of it the sir) may assist them
to ascend. or descend in the witer.
Ray. CON-STRİC'TlVE, a. [L. constrictivus; Sp.constrictivo; Fr.constrictif.] Tending to contract or compress. Sir T. Elyot.
CON-STRİO'TOR, $n$. 1. (Anat.) That which constricts; - a term applied to any muscle that
closes an orifice. "Constrictor of the esspphagus." (Zoul) A name applied to the larger ser.
(Za8l) A name applied to the larger ser pents, which crush their prey in their folds, as the boa-constrictor.
CON-STRINGE', v. a. [L. constringo ; Itationstringere.] To cause to contract; to constrick [' R .] Strong liquori constringe, batden the filren, and coagalate
the fluidithnot.
COON-BTAIN'GENT, a. [It. costingente; Sp. constringente; Fr. constringent.] Causing to contract; binding or compressing.
CON-STRŬCT', v. a. [L. construso, constructus con, with, and struo, to pile up; It. construire Sp. construir; Fr. construire. $]$ '[i. cons'ravet ed; pp. CONstredtino, construeted.

1. To put together, as the parts of a thing, for a new product; to form with contrivance to fabricate; to build; as, " To construct a mato fabricate; to buid; as,
2. To' devise and arrange. " "He constructed a new system."

Johnson.
To construct am erpression or an equation, (Geom,) to find a geometrical figure whose parts shall be re spectively represented by the quantitieg in the equa-
Davion.
Syn.-See Build, Found.
CON-STRULCT'ER, n. One who constructs. "A constructer of dials."
CQN-STRU゙C'TION, n. [L. constructio; It. cdstrueione; Sp: constrúccion; Fr, construction.]

1. The act of constructing ; fabrication
2. Mode of constructing or building; struc ture; conformation.
Thic conatuction was a lithe varions, ucoording to the na
ture of the toil or the materinds which they found Aftrul not
3. (Gram.) The orderly disposition of words in a sentence, according to the rules of syntax. Some particles in certain constructions have the sexse of
4. The art of interpreting; explanation.

He shall find the letter observe his conatruction of it. Shate.
5. The sense or meaning; interpretation.

He that would live nt ease thould alway put tha begt con-
collier. Collet falgebralc equations by geometric forns.
CON-STRÖC'TIQN-AL, $a$. To be understood by means of constraction or ipterpretation. "Grant and constructional conveyances.". Waterland. OQQN-STRƯC'TION-İT, $n$. One who construe any instrument ; as, "A strict constructionist."
COQN-STRŬC'TpVE, $a$. [Sp. constructivo.] Crea ted or formed by construction; that may be interpreted; not expressed, but inferred. "Constructive treason.'
Btanding mute now, in all cases, amountu to a conatrictive
confession.
 Constructive erutpe, (Law.) a trust raised by construc tion of law, or arising by operation of law, as diatin guished from an express trust; a trust implied or inferred from eircumstances,
CQN-STROC'TIVE-LX, ad. By construction. Hale. CQN-sTRǗc'TIVE-NESS, n. (Phren.) The faculty of constructing.

Combe.
CON-STRÖCT'@A,' $n$. One who constructs; a builder; a constructer. Rambler. CQN-STRÜCT'(URE (kon-strükt'yur), n. Any thing constructed; a structure. [m.]
They thail the enrth's constricture elocely bind. Blackmore. COLN'STROE [kŏn'stra, P.J.F.Ja. Wb, ; kän'strot, K. Sin.; kŏn'stur, S. E.; kŏn'scra or kon'stur, W.], v. a. [L. construo ; It. construare; Sp. construir ; Fr. construire.] [i. construbd; pp. construir ; Fr. construive.] Ti. Construed ; pp. press the meaning of, by a right arrangement, or press the meaning of, by a right arrangement, or interpret; to explain; to translate; to render Virgii in so very figurative that he requires, I may almots
say, a grammar aparit to contrue him, aric "It is a scandal to seminaries in learning, that the latter pronunciation. [kon'stur] should prevail there." Walker.
OÖN'STU-PKĀTE, v.a. [L. constupro, constupratus; con, with, and stupro, to ravish.] [i. constuprated ; pp. CONSTUPRATING; CONSTU prated.] To violate; to debauch.

## 

sub－deácon ；－distinguished from low mass，in which the prayers are simply rehearsed without singing．
HÏGH＇－MĔT－TLEED（hi＇mèt－tld），a．Proud or ar－ dent of spirit．
HĬGH＇－MĔN，$n$ ．False dice so loaded as always to turn up high numbers．
BīGH＇－MİND－ED，a．1．Proud；arrogant ；haugh－ ty．＂Be not high－minded，but fear．＂Rom．xi． 20. 2．Elepated；noble；honorable．Dr．Arnold． 2．Now used most commonly in a good sense．
HIGG－MIND＇ED－NËSS，$n$ ．The quality of being high－minded．
HÏGH＇MŌST（hr＇most），$a$ ．Highest；tapmost Shak
HIGH＇NESS（hI＇neg），n．1．The state of being high；eleyation ；loftiness．

2．Excellence；value；worth．
Job xxxi． 28.
3．The style or title first applied to bishops， afterwards to European kings in general（suc－ ceeded by Majesty in the sixteenth century）， ceeded by Majesty in the sixteenta to sovereign princes and their de－ atterwards to sovereign princes and theirde－
Brande．
HİGH＇－ÖP－ER－$\dot{A}^{\prime} T I O N, n$ ．（Surg．）A method of extracting the stone from the human bladder by cutting into the upper part of it．Dunglison．
HİGH＇－PLĀCE，$n$ ．In Scripture，an eminence on which sacrifices were offered．

Wright．
HÏGH＇－PLÀCED，$a$ ．Elevated in situation or rank．
HĪGH＇－PRËss－URE（hi＇presh－ur），n．（Steam－En－ gines．）A pressure exceeding that of the atmos－ phere，which is equal to about 15 poinds on the square inch．

Brande．
High pressure onfites，steam－engixies in which the team ia not condensed on leaving the cylinder，hut is allowed to escape into the atmosplere．Bigalow．
HĨGH＇－PRICED，a．Costly ；dear．
HIGR＇－PRIEST，$n$ ．The chief priest among the Israelites or Jews，
HīGH＇—PRIEBT＋SHIP，$n$ ．The office or state of high－priest．
HIIGH＇－PRTN＇C C｜－PLED（híprin＇seq－pld），a．1．Ex－ trapagant in notions of politics．
2．Of elevated or honorable prinuiples．
HÏGH＇～PRÔôf，a．Very strong；rectified to a high degree，as brandy．

 vated．＂On high－raised decks．＂Dryden．
HÏGH＇－REACH－jNG，a．1．Reaching upwards．
Hell bounde，hioh－reaching，to the borrid roo．Bitton．
2．Ambitious；aspiring．＂High－reaching Buckingham．＂

Shak．
MİGH＇－REAARED（ $\mathrm{hi}^{\prime} \mathrm{rErd}$ ），$a$ ．Of lofty structure． ＂High－reared bulwarks．＂
HİGH＇－RED（hi＇red），a．Deeply red．Boyle．
HIGH＇－RE－PENTT＇ED，$a$ ．Repented of to the ut－ most．＂My high－repented blames．＂Shak．
 firm．＂High－resolved men．＂？Shak，
HĪen＇－RÏGGED（hx＇rigd），a．Furnished with high rigging．
HİGH＇－AOAD，n．A public road．Smollett．
Hïgh＇－rốfed，a．Having a high roof．Milton．
HĪGH＇－ROPPES，$n$ ．pl．A state of passion；－ used only in the phrase，To be on the high－ ropes．［Vulgar．］
HIGH＇－SCHÔ̂́t，$n$ ．See School．
HÏGH＇－－sEA，$n$ ．Very strong，high waves；a heavy sea．
HİGH＇－SEA－şNED（ $\mathrm{hr}^{\prime} \mathrm{ge}-\mathrm{znd}$ ），a．Piguant to the palate；flavored with spices or other sea－ soning．＂High－seasoned meats．＂Looke． HĪGH＇－SËAT－ED，a．Fixed above．．Mitton． HIG̈H＇－SHÕUL－DERED（．derd），a．Having high shoulders．
HİGH＇－sīght－mo（hísit－ed）a．Always looking upwards．＂High－sighted tyranny．＂Shak．

Hīgh＇${ }^{\prime}$ SOAR－ING，$a$ ，Soaring to a great height． ＂Far high－soaring o＇er thy praises．＂ HİGH＇－söÛND－YNG
ra，$a$ ． Making a loud noise or sound．
HÏGH＇－SPILR－IT－ED，$a$ ．High－mettled；bold； daring；proud；insolent．
 nate；self－willed；opinionated；lofty．Shak．
HİGH＇－STRUNG，a．Strung to a full tone or a high pitch ；high－spirited；proud．Thomson． HĨGH－SWELLLED（－awêdd），$a$ ．Swelled to the ut－ most；high－swoln．

Wright．
HĬGH＇－sWELL－ING，a．Swelling to a great height． ＂High－swelling waves．＂

P．Fletcher．
HIGH＇＿SWOLN，a．Swoln to the utmost．＂Your high－swoln hearts．＂

Shak．

## high－swoin hearts．

p．defecti
Honn（hi），ou afediee．（＂Used in a very peculiar way for some of the passive tenses， without the addition of am or was．＂Nares．） ［M．Goth．haitan；A．S．hatan，to name；Ger heissen ：Dan．hedde；Icel．heita．］．
1．Am named；am called ：－is named，or called．＂Now hight I Philostrat．＂Chaucer． Bright is her hue，and Geraldine she hight Lord Surrey．
2．Was named；was called．
Within this homentead，lived without a peer，
For crowing loud，the noble Chanticleer：
so hight her cock．
3．To be named or called．

4：Named；called．

Dryden．

1．I＇o promise．
Chatcer：
2．To intrust；＇to commit．＂Charge of them was to a porter hight．＂

Spenser．
3．To command；to direct．
spenser．
On hight，ad．，aloud
Spenser
HIGH－TAX－PER，$n$ ．（Bot．）A name of the plant Verbascum thapsus，or shepherd＇s－club．Wright． Hīgh＇－TĀsT－ED，a．Gustful；piquant．Denham． $\dagger$ Hї́gит（hith），n．See Hbleнt．Milton． HīGH＇－TONED（－tond），a．1．Having a high tone， or strong sound；as，＂A high－toned instrument．＂ 2．Decided；stanch；firm．Johnson．
HÏGH＇TOP，$n$ ．1．The summit of a ship．Shah． 2．A species of sweet apple．［Local．］
HIGH＇－TÖ $W$－GRED（hi＇töū－erd），$\dot{a}$ ．Having lofty towers．＂Huge cities and high towered．＂Milton． HĪGH：－TOZ＇ER－ING，$a$ ．Soaring aloft．Milton． HĪGH＇－－TRĒA－§̧ON（hriträ－zn），n．（Law．）Treason against the sovereign，as distinguished from petty treason，which might formerly be com－ metty treason，when might cormerly be agrill． $\dagger$ HĪGH＇－VİCED（niz＇vitt），a．Eniormously wicked． ＂O＇er some high－viced city．：Shak．
HĬGH ${ }^{\prime}$－vöfCED（－röfrt），$a$ ．Having a strong tone or pitch of voice．Jodrell． HIGH - WA $\hat{A}-\mathrm{TER}$, th．The utmost flow of the tide； high－tide．
HIGH＇－WA＇TER－MÄRK，$n$ ．The line or mark made on the shore by the tide，when it is at its greatest height．

Crabb．
HİGH－WĀY＇（bT－wa＇），m．1．A great road；a public road；a road over which the public at large have a right of passage．

Brande．
2．An open way by water．
A public navieable river is alco calied a highway．Arande
 P．J．E．F．Ja，Sm．Wr．；hī－wā＇män，K．Wb．］， n．One who robs on the hightway；a highway－ robber ：a robber；a footpad．

Suzft．
HİGH＇WĀY－RATE，$n$ ．A road－rate for keeping the public roads in good order．Simmonds． HIGH＇WAY－ROB＇BER，$n$ ．One who robs on the highway；highwayman．

Ash．
 on the highway．

Ash．
HÏGH＇－WIIT－TED，a．Possessed of great wit．Shak．

HīGH ${ }^{+}$－WROUGBT（h＇rawt），$a^{2}$ 1．Agitated to the utmost．＂A high－wrought flood．＂shak． 2．Accurately finished；nobly labored．Pope HIG＇LA－PERE，$n$ ．An herb．

Ainsworth． † HĬ亡＇A－RȦTE，v．a．［Gr．iגapou；L．hilaro，hila－ ratus．］To exhilarate．

Cockeram
 of hilarity $;$ gay ；merry ；joyful ；jovial．Dickens， Hil－LAR＇I－TY，n．［L．hilaritas；It．ilarità；Fr． hilarite．］Gayety excited by social pleasure． jollity；mirth；cheerfulness；jovialty；joyous－ ness；good－hunor ；merriment ；glee．
Every morning waked ut to a repatition of toil，but the
Foldomatht
HĬL＇A－RY，a．（Eng．Law．）Noting a term of holding courts in England，beginning January 11，and ending January 31，about the time of the festival of St．Eilary．
HILD，$n$ ．［A．S．hale，a hero；Ger．held．］A lord or lady：so Hildebert is a noble lord，Mathild an heroic lady．
tHILD＇［NG，n．［A．S．hyldan，to bend，to crouch．］ 2．A paltry，cowardly man；a dastard．Shak． 2．A base woman．
Hille，n．（Bot．）See Hilum．Henslow．
HilıL，n．［A．S．hill；Dut．heuvel；Ger．hugel； Dan．höt；Sw．hog；Ycel．holl．］
1．An elevation of ground less than a moun－ tain．＂Mountains and all hills．＂Ps．cxlviii： 9. Hills peep o＇er hill，ald Alpt on Alps arise．Pope． 2．The separate spot of soil in which seeds are planted，or in which the plants springing are planted，or in which the plants spallaging from them grow；－so called from us
ing the earth raised about it．
［U．S．］

HILL，v．a．［i．HILIED ；pp．HILLINE，HLLLED．］ 1．+ A．S．hilant，to conceal．$]$ To eover，Gower． 2．To form into hills or small elevations，as the earth around plants．
 HILL＇－AL－TAR，$n$ ．An altar on a hill or high place．

Psaluer． HflLed（hil＇lęd or hind），a．Having hills．Hurd． HiL＇Ll－NESS，$n$ ．The state of being hilly．Perry． HfL＇LiNG，n．1．t A covering．Todd． 2．An accumulation；a heaping．＂The hall－ ing up of fatal gold．＂Hewyt． 3．The act of forming elevations of earth
 HHL＇LOOK，A little hill．Miltom． HYL＇LOCK，v．a．To form into a hillock or sligbt elevation．［R．］
HiL＇LQCK－y，a．Abounding with hillocks．Ash． HILL＇$\rightarrow$ SIDE，$n$ ．The side or slope of a hill．Millon． HILLL＇－－sLofe，$n$ ．The slope or declivity of a hill；hill－side．

Phillips．
HiLL＇－TOP，$n$ ．The top of a hill．Milton． HILCLi，a．X．Full of hills；uneven or unequal in surface．＂Billy countries．＂．＂Addason． 2．Like a hill；elevated；lofty．＂The top of
hilly empire．＂Beaus．$f$ Fl．
HĬL＇s．fin，$n$ ．A native fish of the Ganges，much esteemed for food．
HĬLT，$n$ ．［A．S．hilt ；healdan，to hold．］A han－ die，particularly of a sword．
HĬLT＇ED，a．Having a hilt $\mathrm{i}_{\mathrm{j}}$－used in composi－ tion．＂A silver－hilted sword．＂
hilíternskil ter，ad．See Heiter－skelter． HI＇LUMM，$n$ ．（Bot．）The scar left on a seed where it separates from its attachment －the place of attachment of a seed or ovale to its support．Gray．
HフัM，pron．［A．S．him．］The objective of he． hîm－A－LA Y＇an，a．（Geog．）Pertaining to the Fimalaya mountains in India．
HĬM－s领＇，pron．in the nominative or obiective oase．He or him ；$-\infty$ used emphatically and


## EXHIBIT 5

March 31, 1898

## RIGHT OF WAY-HIGHWAY-SECTION 2477, R. S.

It was not intended by section 2477 of the Revised Statutes to grant a right of way for highways over public lands in advance of an apparent necessity therefor.
(W. V. D.)

With their letter of April 16, 1897, the local officers at Waterville, Washington, transmitted to your office a certified copy of an order of the board of county commissioners of Douglas County, Washington, purporting to be an acceptance of rights of way claimed to be granted by section 2477 of the Revised Statutes, and asking that the right of way so granted and accepted be made a matter of reservation in all subsequent patents issued for lands affected thereby.

Your office considered the matter, on April 28, 1897, and held that the statute does not authorize the exclusion of such right of way from patents issued for lands subject to such an easement. The county commissioners have appealed to the Department.

Section 2477 of the Revised Statutes is as follows:
The right of way for the construction of highways over public lands, not reserved for public uses, is hereby granted.

Claiming to act under authority of the laws of the State of Washington, the board of county commissioners of Douglas county, in that State, passed the following order:

BE IT REMEMBERED: That, on the 6th day of April A. D. 1897, at a regular meeting of the board of county commissioners of Douglas county, State of Washington, said meeting being duly held and all members of said board being present, on motion, it was ordered that the right of way for the construction of highways over public lands, as granted by act of Congress (Section 2477 Revised Statutes), be accepted, and the same is hereby accepted, as far as said grant relates to said Douglas county, that is to say to the extent of thirty feet (30) on each side of all sections lines in said county; it is hereby declared that all sections lines in said county shall be, and the same are hereby declared to be, the center lines of highways and public roads in said county, wherever said section lines are bounded by public lands, and said highways are hereby declared to be sixty feet (60) in width; wherever any such section line shall be found to lie between public land on one side and private land on the other, such highway shall be sixty feet in width, and be wholly on such public land and bounded on one side by such section line.
It is further ordered that E. K. Pendergast, prosecuting attorney, for said county and state, file a certified copy of this order in the United States Land Office at Waterville, Washington, and take all necessary steps
to have the Hon. Commissioner of the General Land Office exclude such easement and right of way from all patents issued for lands in said county, which shall be claimed or settled upon subsequent to the date hereof.
Dated this 6th day of April A. D., 1897.
It is urged on appeal that it is the duty of the land department of the government to execute this statute, that it authorizes the exclusion of the right of way thereby granted from patents issued for lands to which an easement may have attached by virtue thereof, and that the propriety of such action is manifest.

The declaration by the board of county commissioners, that highways shall be extended along all section lines designated by the public surveys in said county sixty feet in width, that where the section lines are bounded on both sides by public lands, such section lines shall be the center of the highway, and that where any such section line shall be found to lie between public land on one side and private land on the other, the highway shall be wholly on such public land and bounded on one side by such section line, embodies the manifestation of a marked and novel liberality on the part of the county authorities in dealing with the public land.

There is no showing of either a present or a future necessity for these roads or that any of them have been actually constructed, or that their construction and maintenance is practicable. Whatever may be the scope of the statute under consideration it certainly was not intended to grant a right of way over public lands in advance of an apparent necessity therefor, or on the mere suggestion that at some future time such roads may be needed.

If public highways have been, or shall hereafter be, established across any part of the public domain, in pursuance of law, that fact will be shown by local public records of which all must take notice, and the subsequent sale or disposition by the United States of the lands over which such highways are established will not interfere with the authorized use thereof, because those acquiring such lands will take them subject to any easement existing by authority of law.

The decision appealed from is affirmed.
Secretary Bliss to the Commissioner of the General Land Office
26 Pub. Lands Dec. 446, 1898 WL 957 (D.O.I.)
END OF DOCUMENT

## EXHIBIT 6

## A TREATISE

on

## THE PRINCIPLES AND PRACTICE

- of

LEVELLING,
MHOWING ITS APPLICATION TO PURPOEES OF CIVIL ENGINEERING FARTICU*
LARLY IN THE CONSTRUCTION OF ROADS,
WHTH
MR. TELFORD'S RULES FOR THE SAME;
watit an mpjentry,
COntaintio a degiceiption of
MR. MACNEILL'S DYNAMOMETER,

OR

WHTRUMENT FOR ABCERTANING THE CONPARATIVE MERIT OF ROADE, AND THE STATE OF REPAIR IN WHICH THET ARE KEPT.
 -urveyob and civil enainesa,
Lafe of the Royal Obscrvatory, Greervich,
Author of a Treatiae on the Principal Mathematical Inatrumente employed in Eurveying,
Levelling, and Astronomy.

To which have been added
TABLES FOK CALCULATING EARTH.WORK,


WITH,PLATESAND WOOD CUTB

BALTIMORE:
PUBLISHEDEYFIELDINGLUCAS, JR. 138 Market atreet.



$\exists$be 30 feet broad; the centre should be 6 evel of the sides, where the junction of the sloping edge of the footpatls, or other defining murn form the side channels; at 4 feet from the 2he enfface should be half an inch lower; at 9 inches lower; and at 15 feet, its extreme edge, it loxyer; this will give the form of a flat ellipse, 1 or carrying off the water to the side channels, cross section of the road too round, and allows , have a greater effect in evaporation, and keeping $\$ 10$ the surface one uniform curvature from side 34-hould use such a level as described at page

7be 6 feet broad, and have an inclined surface rds the road; its surface should not be lower he centre of the road, and the edge should be 7 ed with green sod) to meet the roadway, and carry off the water from the surface.

## DRAINAGE.

leadshould be cut on the field side of the road lead to the natural water-courses of the country;
 be 9 feet deep below the bed of the road; 1 d from $s$ to 4 feet wide at top. Stone drains also be made under the road, and continued to - ditches; side channels (before named) must 1 de, with openings of masonry into the cross ny water lying on the road, it being necessary, in the surface of a road perfect, that it be kept 17 hd springs ought to be carried from the site of priming.

## FENCES.

should be kept as low as possible, never being 5 feet in height, in order that they may not inter-
d, and diminish their effects in producing of the same reason no trees should be allowed ide of a road; for by keeping the roads wet, wear of the materials of which they are

ON LEVELLING.

## ROAD MATERIALS.

The hardest description of stone should always be preferred, such as basalt, granite, quartz, \&c. 'The whinstones, found in different parts of the United Kingdom, Guernsey granite, Mountsorrel and Hartshill stone of Leicestershire, and the pebbles of Shropshire, Staffordshire, and Warwickshire, are among the best of the stones now commonly in use. The schistous rocks being of a slaty and argillaceous structure, will make smooth roads, but they are rapidly destroyed, when wet, by the pressure of the wheels, and occasion great expense in scraping, and constantly laying on new coatings. Limestone is defective in the same respect. Sandstone is generally much too weak for the surface of a road; it will never make a hard one. The lardest flints are nearly as good as the best limestone; but the softer kinds are quickly crushed by the wheels of carriages, and . make heavy and dirty roads. Gravel, when it consists of pebbles of the harder sorts of stones, will make a good road; but when it consists of limestone, sandstone, flint, and other weak stones, it will not; for it wears so rapidly, that the crust of a road made with it always consists of a large portion of the earthy matter to which it is reduced, and prevents the gravel from becoming consolidated, and the road from attaining that perfect hardness it ought to possess.* When the materials are stone, they should be broken to a size of a cubical form, not exceeding 2 inches and a half in their largest dimensions, and should be capable of passing through a ring of that diameter. When it consists of gravel, the pebbles which are from 1 to $1 \frac{1}{2}$ inches in size only should be used for the middle part of the road; all larger pebble should be broken; the smaller stones may bo used for the sides of the-roads and the footpaths.
[The English geological names being so different from ours, in the great extension which they have given to what was originally a mere local appellation, we have thought to render this paragraph more intelligible by the following extrach, for the insertion of which we have the kind permission of Mr. P. T. Tyson.

In the tide water districts of the United States, soutli of the Hudson, there are no rocks in place suitable for road metal; and the' engineer is obliged to substitute gravel, except in some places contiguous to the primary rocks, where boulders are found, but these are seldom in sufficient quantity to be available.

In the primary districts, which ran south-westerly through the Atlantic states, stone suited for road metal is abundant. The best is

* Abringed from Sir H. Parnell on Roads, page 271.

ill or nearly all the rock, Fint is expensive to break Thims the most durable etal. Next to it in utility, Fins or beds in gneiss, for sufficient extent to couta to be hard enough for It should be sedulously $r$ decomposed and is then or mica to be useful,
iavoided. Mica slate and

1there is a quartz rock
roms a good metal, and s. As we proceed further hases, or limestones.
us, and will answer a se had. Slates and shales thandy road, when hard uma equently hard enough ly better than sandstones, $4{ }^{4} \mathrm{E}$.]
ON OF MATERIALS.
 n which it is to rest ide to side, and, if irface of the road may not e subsoil be wet and jatever means is best ge, \&c. The foundation cht of any kind of stones 2 in the middle of the from the centre, 5 inches; nd at 15 feet, 5 inches. Ge fes downwards, and Should be more than 5 ${ }^{3}$ of the upper part of the 3 er, and all the interTHedged; or packed by the pavement is finished, $\pm$

there may be a convexity of 4 inches in the breadth of 15 feet from the centre.
'The middle 18 feet of pavement should be coated with hard broken stones, of the form and size described under the head 'Road Materials,' to the depth of 6 inches. Four of these six inches to be first put on, and worked in by carriages and horses; care being taken to rake in the ruts until the surface becomes firm and consolidated after which the remaining 2 inches are to be put on.'
'The paved spaces on each side of the 18 iniddle feet should be coated with broken stones, or well cleansed strong gravel, up to the foot path, or other boundary of the road, so as to make the whole convexity of the road 6 inches from the centre to the sides of it; and the whole of the materials should be covered with a binding of an inch anda half in depth of good gravel, free from clay or earth.'
The footpaths should be made with a coating of strong gravel, or small broken stones, at least 6 inches deep. The annexed engraving exhibits a section of a road constructed according to the above rules.

## REPAIRING ROADS.

Towards the latter end of the autumn of each year, a road should be put into a complete state of repair, to preserve it froin being broken up during the following winter; between which time and the preceding spring, all repairs, by laying on of new materials, should be done. If thin coatings be laid on at a time, and when the ground is wet, they will soon be worked into the surface without being crushed into powder.
All ruts and hollows should be filled up as soon 4s they appear. The side channels and drains should be continually kept clean, and free from Wobsiruction; and all damage they may have susTtained be made good as soon as discovered.
'A road should be scraped fromi time to tine, so as never to have half an inch of mud upon it; 5 the mud should not be scraped into, or allowed to remain in the side channels, so as to stop the ruaning of water in them.


Add. 81



4 TREATIEE
mopt constantly clipped and cut as indering them unfit for confining cattle; s of the trees in the fences should be
jente given before a select committes on the subject of steam carriages, we as part of the evidence given by Mr .

I of clean, hard, broken stone, placed on a me affected by the atmosphere; weak ctly formed of gravel, flint, or round .ng or foundation of stone pavement or now much affected by the changes of the 4 such roads, and before they become ble portion of the subsoil mixes with the ence of the necessity of putting the gravel there of earth or clay, in dry warm ath and makes the road loose and open; : stones are thrown out, and many of them \# lust, producing considerable wear and , h. wet weather, also, the clay or earth, sorbs moisture, betomes soft, and allows 2 minst each other when acted upon by Ficarriages. This attrition of the stones them out surprisingly fast, and produces Hib tend to keep the road damp, and by
 epresents the level employed by road riks. On the horizontal bar BC are

## ON LEVELLING.

placed four sliding guages, $a, b, c, d$, which move in dove-tailed grooves cut in the horizontal bar, and when adjusted to their proper depth below the bottom edge of the level, can be firmly fixed in their position by a thumb-screw. A section of this portion of the instrument, taken through the line $e, f$, is given on the right, drawn to a larger scale; the remaining parts of the instrument require no explanation.

For laying out slopes, the clinometer, described at page 96, is the best instrument that can be used.

## EXHIBIT 7




Add. 53
what similar issues are raised by government subsidies to the merchant marine and by aids to ocean navigation. Even within inland transport, it will not give equal emphasis to all forms of governmental encouragement. ${ }^{6}$ Its principal concern is with the cases in which the users of the improvement were to pay for the services rendered. As free roads replace turnpikes, as local feecharging navigation companies disappear, and as river and harbor improvement become services rendered without charge by the federal government, the building of roads and the clearing of rivers become of less interest to the study. Its main theme is the relation between public and private activity in the creation of canals and railroads.
Limitation of the discussion to toll- and freight-charging enterprises has the advantage of concentrating attention on those aspects of development which required deliberate choice between alternative private and public means. It was obvious that business enterprise could not be expected to provide facilities from which revenue could not be collected. But if charges were to be made for the service, and profits were a possibility, there was room for the selection of either a private or a public agency or-as the American experience showed-of a remarkable variety of combinations of the two. The focus is therefore on the controversial, and still timely, issue of competition and cooperation between goverament and business.

Even with these limits, the field is a wide one. The number of cases of government promotion, and the volume and importance of public investment, have been greater than is commonly remembered. Local government authorities aided turnpikes, canals or railroads in several thousand cases and in almost every state. All but a few of the state governments carried on their own programs of public improvements or gave their support to transportation companies by loans or subscriptions. Action by the federal government was less frequent and less continuous, but its history contains a period of prolonged discussion of a national
were little developed in most parts of the world. In the passage already cited, Thorold Rogers somewhat complacently attributed the resort of "foreign countries" to public enterprise to their varying degrees of deficiency in "the habits of association and enterprise." Latin American experience illustrates the distinction between exploitative and developmental enterprises, since its relatively few examples of purely private undertakings include the roads that carry coffee to Santos and sugar from the canefields to the Cuban ports. Bolivia provides an exceptionally exact example: the two railroads that take the tin from the great mines to the coast were built, and until very recently were owned and operated by private British interests, while the other railroads are all governmental.

Each of the three points of difference is significant for the explanation of American policy. Shortage of local capital was from the beginning a principal argument for governmental action. "The population along the contemplated line of the road," read one typical plea, "though industrious and frugal, are too poor to build the road." ${ }^{14}$ Reviewing the history of state action for internal improvements before the United States Senate in 1850, William H. Seward declared that "a great and extensive country like this has need of roads and canals earlier than there is an accumulation of private capital within the state to construct them." ${ }^{15}$ During the decade that followed American railroad companies were for the first time able to raise substantial sums in the European market, but lack of capital within a state continued to be used as an argument for government aid borrowing. "No new people," said Henry Varnum Poor, "can afford to construct their own railroads"; and the Railroad Journal under his authorship frequently made the distinction between the older regions, where abundance of capital made aid unnecessary, and the newer areas, where government assistance was still required. ${ }^{16}$

The lack of large-scale corporate enterprise was also a factor in American decisions. In the early days of internal improvements,

## SPIRIT OF IMPROVEMENT

diversity of the expedients employed in the promotion of these American improvements. All levels of government took part in the movement, and public and civic and private efforts were brought together in an extraordinary variety of combinations.
Some commentators on internal improvements, contemporary and modern, have written as if the word governmental were a synonym for federal. A Colorado promoter, for example, boasted that he had built his railroad "without a subsidy of any kind" and then went on to recount his success in inducing three countries to issue bonds on its behalf. ${ }^{18}$ Similarly, a railroad historian wrote that the refusal of Congress to vote assistance saved the Baltimore and Ohio from governmental interference, though the state of Maryland and the city of Baltimore were soon to hold a majority of its stock and to appoint a majority of its directors. ${ }^{20}$ To consider internal improvements in terms of federal policy alone would miss the greater part of the story. Individual amounts of local government aid, like the subscription of Brazil Township, Clay County, Indiana, to a forgotten North and South Railroad, or even of state aid, like Virginia's assistance to the Upper Appomattox Company or to the turnpike through Snicker's Gap, were often very small. Yet the total volume of financial investment by state and local governments was considerably greater than that of the federal government, and their activities are no less instructive to the student of the relation between government and private enterprise.

At each level of government, there was a choice to be made among the major alternatives of public enterprise, of mixed enterprise in which government agencies shared ownership and control with individual investors, and of loans or donations to private corporations. The federal government built the National Road before turning it over to the states for operation and maintenance. New York State dug the Erie Canal as a public work and others followed its example. Georgia built and operated

raised to nin ist the YHoposals, the stock ${ }^{14} 1$ post
$\qquad$
the settlers beyond the mountains was vital to the cementing and preservation of the Union. According to one correspondent, the best way to serve this patriotic purpose, and at the same time to "wither the consequence of Quebec," was to build a road uniting "the navigation of our great western lakes with that of the Atlantic." Combining the language of the classics with that of the Great North Woods, he described his project as "an Appian Way or national portage." Moses Brown, the Quaker manufacturer of Providence, advanced still another argument for federal action. Noting, as had many others, the intercity and interstate jealousies that had impeded the progress of improvements, he asked: "Would not such improving authority be proper to be vested in the General Government?" ${ }^{12}$

In one major case, that of the National Road, the general government had already assumed authority for internal improvement. This undertaking found its occasion in the settlement of the Northwest Territory and in the major political decision by which the public lands in the region were to remain at the disposition of the federal government. Even before the first state in the area was admitted to the Union, federal power over the land had been used to advance internal improvements. In an early example of the pragmatic arrangements linking public purpose with profitable private speculation, Ebenezer Zane, a pioneer entrepreneur of Wheeling, had marked out and cleared an important land route across southeastern Ohio (Zane's Trace) in return for the privilege of taking up town sites at the river crossings where he was certain that settlements would arise. ${ }^{18}$ As Ohio's admission approached, improvement policy became a subject of more general discussion. Early in 1802, Gallatin proposed in a letter that part of the proceeds of the sale of public lands be used for the building of roads from "the navigable waters emptying into the Atlantic to the Ohio, and afterwards continued through the new State." Construction was to be carried on by the federal government with the consent of the states through
which the road letter, "Origin . policy which w which Ohio bect proceeds of pu to this purpose the Ohio legislat on roads within
The two perc a Senate commi Cumberland on Ohio, crossing t] Braddock's Roa the Senate need dertaking, the C to the geograpt. this would provi ington, as again and Richmond, t atives from Penn a close vote in $t$ adopted An Act ${ }^{+}$ from Cumberland President to app determine its loc quest the necess. Commissioners re, culties of their ts habitants of ever? their grounds ent sylvania made its sion in the route President Jefferso pression of "solici'
which the road was to pass. He later endorsed his copy of the letter, "Origin of the National Road"; ${ }^{14}$ it did in fact outline the policy which was followed. The Enabling Act of 1802, under which Ohio became a state, provided that five percent of the net proceeds of public land sold within its area should be applied to this purpose; and Congress later accepted the stipulation of the Ohio legislature that three fifths of the money should be spent on roads within the state.

The two percent fund began to accumulate, and late in 1805 a Senate committee reported in favor of building the road from Cumberland on the Potomac to Steubenville or Wheeling on the Ohio, crossing the mountains by the general route of the historic Braddock's Road. Considering it "an indelicacy" to assume that the Senate needed to be convinced of the importance of the undertaking, the Committee members devoted their main attention to the geographic advantages of the Cumberland route. Since this would provide direct connections for Baltimore and Washington, as against possible alternative routes from Philadelphia and Richmond, the choice was a controversial one and representatives from Pennsylvania and Virginia cast 29 of the 50 nays in a close vote in the House. In March, 1806, however, Congress adopted An Act to Regulate the Laying Out and Making a Road from Cumberland, in the State of Maryland. This authorized the President to appoint commissioners for laying out the road, to determine its location after receiving their report, and to request the necessary consent from the states concerned. ${ }^{15}$ The Commissioners reported in December, noting as one of the difficulties of their task "the solicitude and importunities of the inhabitants of every part of the district, who severally considered their grounds entitled to a preference." ${ }^{16}$ The state of Pennsylvania made its consent to the project contingent on the inclusion in the route of Uniontown and Washington, Pennsylvania. President Jefferson was somewhat disillusioned by this official expression of "solicitude" for local interests, but decided to accept

