Abstract

Who wrote The Expert at the Card Table? This document compiles and organizes approximately 200 linguistically and thematically similar examples extracted from the writings of S.W. Erdnase and W.E. Sanders. These correspondences add additional weight to the hypothesis that Sanders wrote The Expert at the Card Table under the pseudonym (and anagram) of...
S.W. Erdnase. A brief summary of the other sources of evidence behind the case for Sanders as the author is also presented. In addition, a set of highlights is provided as a way to quickly see some of the most salient examples.

Introduction

The Expert at the Card Table by S.W. Erdnase, published in 1902, has been the most influential book ever written on sleight of hand with cards. The techniques taught were revolutionary and inspired card sharks and magicians for over a century. But the appeal of the book was always more than just the actual sleights. It was elegantly written and revealed wisdom and deeper secrets slowly to those who read it closely and repeatedly — to those who studied it. For example, Dai Vernon, the most prominent close-up magician in modern times, revered Erdnase and often quoted his line: "The resourceful professional failing to improve the method changes the moment."

Just as the book doesn't give up all its secrets easily, this is also true of the author, who has remained a mystery ever since the book's publication. In 1999, David Alexander and Richard Kyle in a brilliant bit of intuition, abductive reasoning, and legwork proposed a new candidate, one who fit the characteristics of whom Erdnase must be. That candidate was Wilbur Edgerton Sanders, a mining engineer, born in 1861 and educated at the Columbia University School of Mines. Sanders was the son of Wilbur Fisk Sanders, the first Senator of Montana and had every reason to keep his identity hidden. He hid it through a clever double anagram, S.W. Erdnase.

After coming up with the candidate, a good deal of circumstantial evidence was uncovered, first by David Alexander and later by Marty Demarest. The evidence fell into place like pieces of a jigsaw puzzle, substantiating and augmenting the profile that Alexander and Kyle had originally constructed for the author. The following are the main points that help establish Sanders as the likely author of the book.

Anagram: Sanders was clearly fascinated with many different aspects of language. His writings include dialectical speech; foreign terms; alliteration; puns and other wordplay; and even extend to an etymological analysis of the name "Montana". He was also very inventive, having been granted two patents and written technical articles on mining engineering. These elements of his background help explain the genesis of his pseudonym, a double anagram of his own name, which spells S.W. Erdnase forwards and a second anagram (E.S. Andrews) backwards. Not only that, but "Erdnase" itself means "earth nose" in German, which is an apt description for Sanders' profession of mining engineer. The relatively obvious reversed name served to misdirect away from his actual name, allowing Sanders to cleverly and safely "assert" his authorship of the book. And it was effective — it led to a 100 year wild goose chase of trying to track down an E.S. Andrews before David Alexander and Richard Kyle discovered the ruse. It was, to re-quote Erdnase, "the most subtle and ingenious pseudonym ever devised."

As mentioned above, the pseudonym "Erdnase" means "earth nose" in German. Like most engineers of the day, Sanders knew German — he had studied it both before and during college. He also incorporated a German phrase "aber nit" ("but not") into one of his poems.

In addition to the anagram itself, it has been noted that embedded within the book's subtitle "Artifice RUSE AND Subterfuge" is the name "Andrews" ("AND RUSE") phonetically permuted into "RUSE AND." While not essential to the unpacking of the mystery, this is an additional clue signaling that the obvious backwards spelling of "E.S. Andrews" was perhaps a ruse, artifice, or subterfuge itself. We describe below how Sanders, in one of his poems, performed a similar phonetic shuffling on the name of one of his college classmates.

Sanders' early diaries and notebooks reinforce the anagram theory and provide perhaps the most striking piece of evidence in his favor. They contain examples of partial anagrams and rearrangements of the letters in his own name. For example, on one page he rearranges the letters in his name to spell out "WandersS." And apparently his predilection for thinking of names in terms of their constituent letters extended well into his adulthood.

In published correspondence from 1896 (while he was at the Montana Historical Society and only a few years before he unveiled the anagram S.W. Erdnase), Sanders writes about the soon-to-be-adopted name for his home state of Montana: "It is a short, sightly, and simple name, and one of much euphonic beauty; one which the people of this state would not care to part with for any possible COMBINATION OF LETTERS."

Magic and Gambling links: There is quite a bit of evidence linking Sanders to both gambling and magic. In particular:

- He received letters related to his gambling debts.
- He refers to card games mentioned by Erdnase (cassino, whist, euchre) in his diaries. In addition, he and Erdnase both misspell cassino in the same way.
- He used gambling slang/terminology in his writings.
- He purchased a half dozen decks of cards for a trip.
- He included details about the card trick Mutus Nomen Dedit Cocis in his notebooks.
- He wrote in his diaries about "seeing through" a magic performance.
- Aside from Marshall Smith, the illustrator of the book, the only other first-hand personal account of Erdnase came from the magician Hugh Johnson. After a performance in Denver, Johnson was met backstage by the
As mentioned above, Erdnase and Sanders used the same unorthodox spelling of the card game Cassino.

Writing ability: A well-educated, polished, published writer. Capable of writing at the level of Erdnase.

Writing style: Uncanny linguistic similarity with Erdnase. This includes word choice, idioms, syntactic/semantic patterns, metaphors, and underlying themes. In addition both writers make frequent and effective use of colloquial language/dialects, parenthetical question marks, puns, and scare quotes. In one instance they both make a pun pivoting on the same word: "shift". Aside from the many linguistic and thematic matches in their writing, the same personality and "voice" shines through. And just as Erdnase adopts different styles within EATCT, so does Sanders range through those same styles in his various writings, from precise/analytical (e.g. the descriptions of the sleights) to humorous/ironic (e.g. parts of the introduction) to grandiloquent/oratorical (eg the patter in the Card Tricks).

Topical overlap: Similarity in the themes/patter of Erdnase's first two and most distinctive tricks "Exclusive Coterie" and "The Divining Rod" to Sanders' background in private salons/clubs and as a mining engineer and his duties as Librarian for the Montana Historical Society in preserving ancient artifacts and cultures.

Etymology is another shared interest. In their writings, both Erdnase and Sanders go out of their way to describe the derivation and meaning of names and terminology. Sanders does this extensively in his article on Montana [MONT], in his mining articles, and facetiously in his Columbia class reunion writings. Erdnase touches on this topic several times: he explicitly mentions the derivation of the term "cold deck" and the misnomer "back palm;" and he explains the names he gave to a couple of his own sleights (Longitudinal Shift and S.W.E. Shift).

Motive: A strong reason for a pseudonym (his father was a US Senator) and evidence in other ways of hiding aspects of his identity: pages torn from diary; references to his "other life."

Personal characteristics: The book's illustrator, Marshall Smith, was tracked down and interviewed in the mid 1940s by the magician and popular math and puzzle columnist Martin Gardner. While it was several decades since he had met Erdnase to do the drawings, Smith was able to remember some details. Sanders provides a good match with most of Marshall Smith's recollections.

Smith recalled that the author had "a name with a W." This matches the initial W in Wilbur Sanders.

Physically, Smith described Erdnase as being of slight build and between 5'5 and 5'7, while Sanders at age 20 was 5'8 and weighed 130 lbs. Smith, himself, was a tall man, probably at least 6' and remembered looking down at Sanders. People tend to categorize people's heights in bins, and aren't particularly accurate when the height is different than their own. So it is easy to imagine Smith's 45 year old recollection being in the right direction (significantly smaller than himself) but off by an inch or two.

Smith also estimated that Erdnase was about 40 years old, which exactly matches Sanders' age at the time. According to Smith, Erdnase seemed to be unmarried and not from Chicago (where the illustrations were done and the book was printed) — both aspects matching Sanders. And significantly, Smith mentioned Erdnase's extremely polite, gentlemanly, and refined manner; and that he was good looking and well-dressed. These qualities all apply to Sanders' upper class background and education; and are reflected in the quality/polish of his writing and what we can see in photos.

Erdnase mentioned to Smith that he had a family connection to the well known cartoonist Louis Dalrymple. According to Marty Demarest's research [Montana Magazine of Western History Winter 2013], the Dalrymple and Sanders families had been related since the late eighteenth centuries. And Dalrymple had also caricatured Wilbur Fisk Sanders, in one of his cartoons, as the face of Montana.

In one aspect, Sanders doesn't seem to match Smith's recollections of Erdnase, whom he described as being "blondish" and not having dark hair or eyes. However, one can infer, from Sander's humorous self-description in his Columbia class reunion bio, that he had a fair complexion with reddish hair and freckled face. (He air young an' beautifulst an' fair; he hez carroty face an' a freckled hair.) One can imagine a fair complexion with reddish hair as being conflated with being blondish after the passage of 45 years.

Publishing experience: Erdnase self-published EATCT. Sanders had knowledge and experience with publishing, both as clerk for his father in the US Senate, and later as Librarian at the Montana Historical Society. He understood the limitations/problems involved in the mechanical process of getting something out, and described (in a letter) the process with respect to his Montana publication: "The mechanical part of the work leaves much to be desired, but it is something to have gotten out the work, so that we can afford to overlook such an item as that."

Misspellings:

- As mentioned above, Erdnase and Sanders used the same unorthodox spelling of the card game Cassino.
The name "Charlier" is misspelled as "Charlies" in one location in EATCT. This can be explained by Sanders' handwriting where he often writes the letter "r" much like the letter "s".

Erdnase misspells "stratagem" as "strategem". This could be explained by Sanders' years of studying Latin, where the spelling is "strategem."

This document is focused on their writing. It includes a list of excerpts that illustrate side-by-side the many similarities in the language they use. As David Alexander pointed out, this involves not just common linguistic patterns but also the underlying personality and modes of thought that shine through—the overall writing voice and related thematic concerns. One finds in both men a strong attention to detail and an appeal to precision and rigor (with frequent use of logic-oriented terms like "axiom," "rule," and "invariably" as well as technical terms like "longitudinal" and "jog"). Sanders was a professional engineer, and the writing reflects that mode of thinking.

Likewise, the writings of both manifest a healthy ego, proud of what they've achieved. Neither is shy about claiming superiority of their systems over others ("vastly superior", "far in advance of"). In addition, both frequently adopt an ironic tone, and take delight in pointing out hypocrisy and pretense, as they sarcastically rail against so-called "professionals" and their ruses and deceptions. And both employ a similar self-deprecating humor when describing themselves: in Erdnase's "insufferable conceit" and Sanders' "yer braggin' yet".

Erdnase and Sanders both take great pleasure in the nuances of language and use it in a very creative manner. Hence the heavy use of "scare quotes", parenthetical (?) punctuation, colloquial speech and accents ("langwidge", "Get yo' own han' "), alliteration ("wiles and wickedness", "wicked waste"). And topic-wise, they sometimes even cross into each other's domain, with Erdnase invoking mining for patter ("metals as gold, silver, or copper...prospected area") and Sanders touching on gambling themes ("Make simple faro, poker plays...").

In addition to the actual content of the book, Erdnase's facility with language and the clarity with which he expresses his thoughts make him stand out among magic authors of his and any other time. Sanders' writings show the same attributes and qualities, but applied to a wider range of topics. There's much stylistic and topical variety among the following: his mining articles (which share Erdnase's great clarity and attention to detail); his Columbia class reunion writing (in which he shines as a humorist in both his prose and poetry, while often presenting a more valedictory voice as well); and his Montana historical and linguistics studies (which present a leisurely and scholarly tone). It's very easy to imagine Expert at the Card Table as a Sanders treatment of yet another specialized domain, that of card table artifice, where these various stylistic strains combine into the voice we know as Erdnase.

The roughly 200 examples below are intended to show the two (?) writers' significant shared linguistic patterns AND a common voice, personality, and thematic concerns. For example, while the use of a word like "utmost" doesn't imply much linguistically on its own, the large number of such references (along with related words such as "perfect," "excellent" etc) indicates a persistent concern with excellence and high standards. In both writers, there is almost a reverence for perfection and the artistic heights that accompany it.
Mining and Scientific press that illustrates, in a single short text, many Erdnasean characteristics; and b), a paragraph from Erdnase annotated with corresponding excerpts from Sanders. The addendum also includes a list of words that demonstrate Sander's well-developed vocabulary and a selection from the many literary allusions found in his writing.

A HIGHLIGHTS section is provided as a way to quickly see some of the most salient examples.

**Notation:** In general, if thematic or other linguistic attributes are indicated at the top of a section, they are intended to apply to all examples in that section. Additional attributes are sometimes mentioned above the individual excerpt (for example, if an example fits more than one theme). About one third of the examples are highlighted with red asterisks (****). These are cases that seem particularly worth noting or otherwise more relevant than others. They are generally near the top of each section and can be read first to get a sense of the most salient examples before examining the rest. An even smaller set of examples have an additional red (H) next to them. These are also collected together in the Highlights addendum. Also, within each example, a few less fully corresponding, but closely related variants, are sometimes included. These are usually separated from the main pairings by a blank line.

**References:** Sanders' excerpts are taken from the following sources (most available online). The source is not generally indicated with the individual excerpts except to differentiate between the different parts of the Columbia Reunion text. There are no page numbers currently given for Sanders' excerpts. For Erdnase, however, the page number is always indicated (for the Charles T Powner 1975 edition). Thanks to Bill Mullins for providing the references to some of these.

- Memoir of the summer school of practical mining june and july 1884. Wilber E Sanders (in Practical Mining. [SMR]
- The Miner 1885 [MINER]
- Sanders Masters Thesis. 1885 [THESIS]
- Letter to Brower 1896 (in Missouri River and its Utmost Source) [L1896]
- Report of the Librarian for the Historical Society of Montana 1896 [montLib]
- The Best Shape for a Shaft - in Mining and Scientific Press. April 14th, 1906, p255. (Letter: Helena, March 16, 1906) [L1906]
- Reference Schemes for Mine-Workings 1906 [RSMW]
- Mine Timbering — book, edited by Sanders with two articles by Sanders 1907 [MT]
- Montana — Organization, Name and Naming 1910 - article [MONT]
- Columbia School of Mines Twenty-fifth Anniversary Reunion, 1885-1910 [CR] [CRbio] [CRpoem]

The [CRbio] annotation is made on excerpts taken from the biographical sketches Sanders wrote about his classmates. The information in those overall sketches was partially supplied by his classmates with Sanders usually providing his own commentary in a lead-in paragraph with additional language that framed the rest. These excerpts were only used when the language was from Sander's first person point of view, in his voice, and exhibiting his distinctive style. In addition, excerpts from his poems are indicated as [CRpoem].

- "Mining Reports" (Letter) in Mining and Scientific Press, Volume 107 1913 [ML1913]
- Sanders Diaries 1875-1896. I don't have access to these. The few quotes referenced come from the Marty Demarest and David Alexander articles listed below. [DIARIES]

**Articles and resources on Erdnase and Sanders:**

- Unshuffling Erdnase by Marty Demarest— Genii Magazine, Sept 2011
- Montana Conjurers, Con Men, and Card Cheats. Wilbur E. Sanders, S.W. Erdnase, and The Expert at the Card Table by Marty Demarest. Montana The Magazine of Western History, Winter 3013, Volume 63, Number 5
- Genii Forum Erdnase thread (2003 to present)
- The Gardner-Smith Correspondence. Richard Hatch, Charlie Randall & Martin Gardner, 2007

Some of the cited examples were first pointed out by others in the articles above or the Genii Forum (in particular David Alexander, Marty Demarest, Bill Mullins, Leonard Hevia). I make note of that if/when I'm aware of it. Also some were gleaned from Carlo Morpurgo's list of common word patterns between EATCT and Mine Timbering, extracted automatically by software.

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1) Humor, metaphor, and rhetoric
Many of these examples show insight into human psychology and take an [ironic] point of view.

****(H) PROFESSIONALS --- EXHUME/BURIAL metaphor --- wiles/wicked/waste alliteration [irony] ----

Erdnase and Sanders both take delight in pointing out hypocrisy and pretense. In this example, they sarcastically mock so-called "professionals" and their ruses and deceptions. And in doing so, they use identical metaphors (EXHUMING) and alliteration (Wicked/Wiles/Waste).

Erdnase: Self-styled 'EX-PROFESSIONALS' have regaled the public with astounding disclosures of their former WILES and WICKEDNESS, and have proven a wonderful knowledge of the subject by EXHUMING some ANTIQUATED moss-covered ruses [p13]

Sanders: certainly in part it is too good to keep, and in a spirit of benevolence and as an offering upon the shrine of professional goodwill toward PROFESSIONAL brethren, the following extracts have been EXHUMED from their OBSCURE place of burial [...] and how many reports presuming to describe mining properties are written that should never have been penned - because of the WICKED WASTE of ink resulting therefrom. [ML1913]

****(H) --- acquiring WISDOM in bulk when younger [knowledge] ----

Both writers characterize their past in the same way—describing how they (using the pronoun "we") quickly absorbed knowledge in bulk quantities.

Erdnase: We naturally began to imbibe WISDOM in COPIOUS DRAUGHTS at the customary sucker rates. ...and the sum of our PRESENT KNOWLEDGE is proffered in this volume [p14]

Sanders: We did a lot of hustlin' then and gained a HEAP OF KNOWLEDGE and picked VAST WISDOM UP IN CHUNKS in MANY VARIOUS LINES. [CRpoem]

****(H) --- something "too good" to not be indulged in. ----

Erdnase: A self-satisfied unlicked cub with a fairly fat bank roll was TOO GOOD A THING TO BE PASSED UP. [p14]

Sanders: and the joke, TOO GOOD TO BE PERMITTED TO DIE EARLY [CRbio]

Sanders: Certainly in part it is TOO GOOD TO KEEP, and in a spirit of benevolence ....

---- other "TOO XX TO YY" examples ----

Erdnase: some of us are TOO TIMID TO risk a dollar [p9]

Sanders: those dear bygone times were TOO JOYOUS TO last [CRpoem]

Sanders: whereby hangs a tale which Sanders says is TOO LONG AND BOLD TO relate here [CRbio]

**** --- idiom for the need for money as a prerequisite ----

Erdnase: but one reservation, — THAT HE HAS THE PRICE. [p18]

Sanders: he asserts he is still able to eat three large meals per day — "WHEN I HAVE THE CASH"! [CRbio]

[pointed out by Marty Demarest]

****(H) --- deferring telling a story/tale/letter (for unstated reasons) ----

In this example, the writers have something very interesting to tell. But they refrain from fully revealing it, because it would be embarrassing or self-incriminating.

Erdnase: the back palm once helped us out of a difficult situation BUT THAT IS ANOTHER STORY. [p147]

Sanders: whereby hangs a TALE which Sanders says is TOO LONG AND BOLD TO RELATE HERE [CRbio]

Sanders: More of the LETTER might be given, BUT I REFRAIN. [CRbio]

Sanders has others of this sort where he sets the stage but then pulls back.

Sanders: We see him (and another WHO SHALL BE NAMELESS) at a semi-annual examination, interviewing two unwashed Italian organ grinders [CRbio]

Sanders: Hollis has always accused the scribe of flirting with the waitress or the cook or somebody; but since he
did not bring all of the proofs and records back from that journey into the unknown, the same is not proven, and though the flirting is barely possible, IT MAY NOT HAVE HAPPENED. [CRbio]

****(H) ---- "make good" [idiomatic. Scare quotes] ----

Erdnase: he coolly proposes to "MAKE GOOD" by transforming the wrong card [p151]
Sanders: Has "MADE GOOD" at the bar, where he shines [CRpoem]
Sanders: But in his work he's long MADE GOOD [CRpoem]

****(H) ---- Boasting. Vanity. Insufferable conceit. Bragging. ----

[updated 9/2018]
Erdnase and Sanders both refer to the psychology behind vanity and boasting.

Erdnase: Excessive VANITY proves the undoing of many experts. ... It requires the philosophy of the stoic to possess any great superiority and refrain from BOASTING to friend or foe. [p23]
Sanders: Not given to VAIN BOASTINGS was he, and we learned but little of his life's history [CRbio]

And more significantly, they confess to this personality flaw themselves. Erdnase admits to being "self-satisfied" and to his "insufferable conceit." And Sanders mocks himself as "braggin' yet." Like Erdnase, he's very self aware of this failing; and he can see right through his own pretense, admonishing himself "you can't fool me." In a second instance, he contrasts conceit ("vain boastings") with true "high and reckless courage." And in a third instance, he idealizes the benefits of true courage, where rather than Erdnase's "heartrending jolts," the truly brave man would reap "heart-satisfying rewards."

Erdnase: OVERWEENING FAITH in our own potency. We BUCKED THE TIGER voluntarily, and censure no one for the inevitable result. A SELF-SATISFIED unlicked cub with a fairly fat bank roll ... but the jars to our pocketbook caused far less anguish than the HEARTRENDING JOLTS to our INSUFFERABLE CONCEIT [p14]
Sanders: [mocking] to hear him talk of the pace he's set; an' of what he's done, for HE'S BRAGGIN' YET; ... but I know you, Bill, an' you can't fool me!
Sanders: [contrasting] not given to VAIN BOASTINGS...that high and reckless COURAGE
Sanders: [idealizing] HEART-SATISFYING REWARDS that can come to "a BRAVE MAN struggling in the storms of fate,"

They also both make a point of highlighting the modesty in their own or others' claims/assertions.

Erdnase: We MODESTLY CLAIM originality for the particular manner of accomplishing ... [p13-14]
Sanders: He now MODESTLY ASSERTS that he wears "only an upper-lip adornment," [CRbio]
Sanders: And we all know full well how necessary the work is, whatever, in OUR MODESTY, we may state as to the possession of brains. [CRbio]

****(H) ---- FLASH ----

In this example a simple word choice reveals a larger metaphor and similar patterns of thought.

Erdnase: made like a FLASH [p134]
Erdnase: in a FLASH [p92]
Sanders: humour would FLASH and beam in him as FLASH the lightnings

In addition to the word choice itself, there is something very interesting about FLASH. Erdnase uses the word six times to describe the speed of certain sleights being performed; and in three of those he mentions the absence of sound. In one case, however, he characterizes that missing sound as a "snap and crack," clearly of lightning.

Erdnase: The shift can be MADE LIKE A FLASH, and with the cards in perfect order. When executed perfectly, the ONLY SOUND is the slipping of one packet over the other. There is NO SNAP OR CRACK, and it is in every way worthy of the practice necessary to acquire it. [p134]

Significantly, when Sanders uses the term FLASH, he mentions lightning explicitly and even invokes the way lightning forms on a warm midsummer day. The metaphorical FLASH has become literal.

Sanders: enjoyed the added WARMTH UPON A MIDSUMMER DAY, ... mirth and humor would FLASH and
beam in him as FLASH the LIGHTNINGS of his beloved Physics.

It could be argued that the sound of a shift is as important an aspect as the speed, and hence we would expect a description of its sound. While this is true, it would be unusual to characterize the sound of a shift as a "snap or crack" independently of the flash of lightning metaphor. In both texts, the author uses the term "flash" figuratively but augments the metaphor by connecting it to its literal roots.

And then, in a pair of consecutive paragraphs, Erdnase ties the bow by directly stating the metaphor.

Erdnase: The actual palming can be done IN A FLASH, and as we have said, the only objections are the necessary manoeuvers to obtain the position in a natural and easy manner. [...] In the second part of this book will be found, under the caption Changes, several methods of palming which are LIGHTNING-LIKE in rapidity but are more applicable to card conjuring than card playing. [p92-93]

To summarize: in this example, both writers are not just using the term FLASH as a synonym for FAST. Instead they are thinking (consciously or unconsciously) in terms of the metaphorical roots (lightning) from which it is derived, even in cases where lightning is not mentioned. This is a deeper and more significant similarity than a mere word choice— it is a sign of an identical thought process underlying that choice.

[Matching words "flash" noticed by Leonard Hevia]

--- target shooting ---

The image of literally shooting at target is employed by both writers. In the first set of cases (below), it is also used as a metaphor to make a point.

Erdnase: Proficiency in TARGET practice is not the sole qualification of the TRAP SHOOTER. Many experts with the gun who can nonchalantly RING UP THE BULL'S EYE in a SHOOTING GALLERY could not hit the side of a barn in a DUEL. The greater the emergency, or the greater the stakes, the greater the nerve required. [p22-23]

Erdnase: two or three coups in the course of an evening will not FLUSH THE QUARRY [p19]

Sanders: Some characteristic of one's classmate is usually made a peg upon which to hang, or a TARGET for some SHAFT if one sharp enough to tickle can be found in the QUIVER [CRbio]

In the following case Sanders refers to a target and weapon in a purely literal (though humorous) manner.

Sanders: tremendously big SHOT-GUN or BLUNDERBUSS was turned loose at us at short range which luckily or unluckily missed a hoped-for TARGET [CRbio]

--- so-called ---

Erdnase: We have neither grievance against the fraternity nor sympathy for SO-CALLED victims. [p10]

Sanders: in the SO-CALLED lunch room

--- road to success ---

Erdnase: the student will be fairly established on the ROAD TO SUCCESS, and have overcome by far the greatest difficulty. [p80]

Sanders: while the story is easy to relate, the ROAD at times has been a hard one to travel, but abundant SUCCESS seems to have been the reward. [CRbio]

--- rhetorical scheme of litany of opposites ... toward a sum/integral in education context ---

In this example, both writers use similar rhetorical devices to structure their expressions.

Erdnase: After the AWAKENING OUR EDUCATION progressed through close application and constant study of the game, and the sum of our present knowledge is proffered in this volume, for any purpose it may answer, TO FRIEND AND FOE, TO THE VERT AND THE FOOLISH, TO THE GOOD AND THE BAD, TO ALL ALIKE, with but one reservation, that he has the price. [p14]

Sanders: And thus FOR GOOD OR ILL, FOR BETTER OR FOR WORSE, FOR AFFAIRS GREAT AND AFFAIRS SMALL, our "class of '85" was organized and launched as an integral and concrete fact in the existence of what is now COLUMBIA UNIVERSITY in the City of New York.

[updated (below) 11/2018]
Erdnase: BUT it will not make the innocent vicious, OR transform the pastime player into a professional; OR make the fool wise, OR curtail the annual crop of suckers; BUT whatever the result may be, if it sells it will accomplish the primary motive of the author, as he needs the money. [p3]

Erdnase: THE slightest action that appears irregular, THE least effort to distract attention, OR THE first unnatural movement, will create suspicion [p11]

Sanders: Some, and in fact the larger number of our Mining Engineers, have forsaken THE gay and humdrum, THE exhilarating and precarious, THE usually unsettled and usually hard and disagreeable BUT always the fascinating existence of the honest miner and the princely smelterman, and have become TRADERS on the exchange, TRAVELERS at large, BANKERS in Wall Street, EDUCATORS and planters, AND what not, and here, in our friend Bemis, we find one who, in the Life Insurance business, is laying up vast treasures on earth. [CRbio]

Sanders: the society MAKES NO PRETENCE of publishing a connected account of the series of events that have taken place relative to the history of Montana both before and since its organization as a Territory, NOR yet beyond a certain point, as to its correctness, is an attempt made to weigh and sift what has been gathered, NOR do we draw conclusions as to the relative importance of the events narrated, OR follow out in them the relation between cause and effect. [montLIB]

Sanders: A quiet, agreeable and kindly chap, direct in his ways, determined in his manner, even-tempered, well set up but not tall, studious and standing high in his studies and friendships, one who held a very high place in the esteem of his classmates ...

2) The author on his work

Erdnase: The SUBJECT of prepared cards is almost as FOREIGN TO the MAIN PURPOSE OF THIS WORK as the preceding one of hold outs, but a CURSORY REVIEW of the commoner kinds and their uses may not be out of place. [p15]

Sanders: Nor is it intended to EXPLAIN METHODS technically FOREIGN TO the SUBJECT, although such will be TOUCHED UPON.

Sanders: A PERUSAL OF THE FOLLOWING excerpts from the text will CONVINCE any fair minded unbiased mining engineer (ML)
Erdnase: we have, in DESCRIBING the various processes and conditions, used CERTAIN TERMS for the SAKE OF BREVITY, to DESIGNATE the particular matters referred to. [p25]

Sanders: for the SAKE OF BREVITY in DESCRIPTION, CERTAIN SYMBOLS letters or figures, are employed to DESIGNATE the various mine workings, as follows: [RFMW]

Sanders: they are thus marked, CERTAIN SYMBOLS may be discarded for the SAKE OF BREVITY, and only such as are essential to the DESCRIPTION of the working be employed. [MT]

**** --- uses/makes (no) sophistry/pretence for this work ---

[added 5/2018]

Erdnase: Then he MAKES A PRETENSE of confusing the company by changing their places on the table. [p122]
Erdnase: the writer USES NO SOPHISTRY as an excuse for its existence [p3]
Sanders: the society MAKES NO PRETENCE of publishing a connected account of the series [montLib]

👀 See also transitive no

**** --- claiming the uniqueness of their work among other written material on the subject [excellence] ---

Erdnase: Hence this work STANDS UNIQUE IN THE LIST OF CARD BOOKS. [p13]
Sanders: that it is UNIQUE AMONG MANY DOCUMENTS PERTAINING TO mines and mining situations (MT)
Sanders: a picturesque and UNIQUE DOCUMENT that is readable and fairly well filled... [ML1913]

**** --- offering a treatise/narration and stressing the importance of completeness/details [precision] ---

Erdnase: A TREATISE on the Science and Art of Manipulating Cards [p1]
Erdnase: the SUM of our present knowledge is PROFFERED THIS IN VOLUME [p14]
Erdnase: IMPORTANCE of DETAILS -- The finished card expert considers NOTHING TOO TRIVIAL that in any way contributes to his success [p25]
Erdnase: The EXACT manner in which each artifice is performed is FULLY DESCRIBED IN MINUTIA. [p12]

Sanders: it has appeared worth while to make the present COLLECTION WHICH IS OFFERED not as a complete TREATISE on the subject, but rather as a series of essays which go fully into many IMPORTANT DETAILS (MT)
Sanders: the FACTS HERE NARRATED...I am compelled to rely upon memory which may not be EXACT as to SPECIFIC DETAILS and dates (MONT)
Sanders: IMPORTANT DETAILS connected with the methods of timbering HEREIN DESCRIBED, and other systems now in successful operation among the metal mines of this country, are excluded from this necessarily abridged article.

**** --- IT IS NOT THE PURPOSE...Disclaimers on intentions/purpose/limitations of what is covered ---

Erdnase: IT IS NOT OUR PURPOSE TO DESCRIBE the various kinds of apparatus, or prepared or mechanical cards, that play so great a part in the professional conjurer's startling exhibitions. [p171]

Sanders: IT IS NOT THE PROVINCE OF THIS ARTICLE TO TOUCH UPON methods of mining in use above ground, whether by hydraulic mining, or other processes, but rather to deal with the support of underground excavations by the use of timbers, and the details of mining therewith connected. NOR IS IT INTENDED to ...

**** --- the writer unable to find/learn-establish a fact (in field of [knowledge]) ---

Erdnase: yet WE have been UNABLE TO FIND in THE WHOLE CATEGORY more than an incidental reference... [p13]
Sanders: but the truth of this statement I have been UNABLE to definitely ESTABLISH
Sanders: the WRITER has been UNABLE to LEARN if this is A FACT.

**** --- describe/present every known ... [knowledge] ---

Erdnase: ...DESCRIBING with detail and illustration EVERY KNOWN expedient, manoeuvre and strategem [p1]
Sanders: the mines operated under these methods PRESENT EVERY KNOWN characteristic of lode formation.

---- enumeration in a volume [precision] ----
Erdnase: The ENUMERATION alone of these devices would fill a VOLUME twice this size [p171]
Sanders: the following ENUMERATION, taken in part from VOLUME 1... [montLib]

Sanders: The various considerations ENUMERATED above were sufficiently conclusive to satisfy the historian.

---- for the purpose of illustration -----

Erdnase: select the four Jacks FOR THE PURPOSE OF ILLUSTRATING how an original athletic tendency [p191]
Sanders: FOR THE PURPOSE OF ILLUSTRATION, assume that...

3) Rigor and Precision

Erdnase and Sanders write in a very clear analytical style. This includes the use of mathematical and logical terms such as axiom, true, rules, prove, preclude, requirements, sufficiency, invariably, generally, knowledge, facts. It also involves quantifying and qualifying the degree of precision (to some extent, regularity, etc). Sanders was trained as an engineer and this tendency is likely an outgrowth from that.

****(H) ---- this is generally true but (not always so / exceptions): ---

Erdnase: That THIS IS GENERALLY TRUE cannot be denied, BUT it is BY NO MEANS ALWAYS SO. [p109]
Sanders: THIS IS GENERALLY TRUE BUT has one or two EXCEPTIONS [SMR]
Sanders: This HYPOTHESIS, however, is TRUE ONLY IN PART; for through causes that are SOMETIMES KNOWN, BUT OFTEN are UNKNOWN,

---- with the exception
Erdnase: WITH THE EXCEPTION of the first shuffle [p75]
Sanders: in a manner almost identical with that of the one-compartment shaft, WITH THE EXCEPTION that the sides plates are...

**** ---- demonstrate/establish the truth of assertion/statement ----

Erdnase: I shall DEMONSTRATE the TRUTH OF my ASSERTION. [p191]
Sanders: but the TRUTH OF this STATEMENT I have been unable definitely to ESTABLISH [Mont]

Erdnase: but we regret the TRUTH OF the CONFESSION that once upon a time we were... [p116]

**** ---- method/axiom should be strictly/invariably followed/adhered-to ----

Erdnase: It is an EXCELLENT MANNER of holding the deck for the true shuffle, and SHOULD BE STRICTLY ADHERED TO on all occasions. [p29]
Sanders: this latter is an AXIOM in mining during this period of development, and SHOULD BE INVARIABLY FOLLOWED where possible.

Erdnase: It is almost an AXIOM that a novice will win his first stake. [p9]
Sanders: this latter is an AXIOM in mining

**** ---- identically the same as in ----

Erdnase: The thumb movement is IDENTICALLY THE SAME AS IN the true deal [p55]
Sanders: when set the machine is operated in IDENTICALLY THE SAME WAY AS IN sinking or...[SMR]

Erdnase: The positions of the hands ARE IDENTICALLY THE SAME AS the first method [p85]
Erdnase: Each hand occupies IDENTICALLY THE SAME position. [p161]

--- practically (the same as / identical with)
Erdnase: the method IS PRACTICALLY THE SAME as the "Longitudinal," [p135]
Sanders: a method of spiling is employed that IS PRACTICALLY IDENTICAL WITH...

**** --- correct positions ... accurately secured/joined ---

Erdnase: The CORRECT POSITIONS and movements can be ACCURATELY SECURED [p24]
Sanders: and the joints thus framed will be in their CORRECT RELATIVE POSITIONS, exact in size and shape, and they will JOIN ACCURATELY with those ....

**** --- [some bad thing] PROVES to be (UN)SUCCESSFUL ---

Erdnase: other RUSES, which are less risky, have PROVEN UNSUCCESSFUL [p23]
Erdnase: This CLUMSY JUGGLING might PROVE SATISFACTORY if performed by an awkward novice [p165]
Sanders: they [CRIB NOTES] have been PROVED TO BE very SUCCESSFUL [MINER]

Erdnase: and the third card PROVES TO BE the ace. [p123]
Erdnase: To all lovers of card games it should PROVE INTERESTING. [p3]
Sanders: should either of the walls PROVE TO BE WEAK, this single piece
Sanders: the same is not PROVEN, and though the flirting is barely POSSIBLE, it may not have happened.
Sanders: oft PROVED BY RULE OF THUMB [CRpoem]

****---- it will be seen by/from the foregoing that... ----


"It will be seen that" is a phrase often used by technically trained people accustomed to logical arguments, mathematical proofs, etc. Here, both writers use it in conjunction with a reference to "the foregoing."

Erdnase: IT WILL HAVE BEEN SEEN BY THE FOREGOING THAT the presentation [p175]
Sanders: Therefore, FROM THE FOREGOING IT WILL BE SEEN THAT the cost of the square set...

Erdnase: IT WILL BE SEEN THAT the old-fashioned or hand shuffle gives the greater possibilities... [p22]
Erdnase: Hence IT WILL BE SEEN THAT proficiency in one artifice does not finish the education of the professional [p23]
Sanders: IT WILL BE SEEN THAT a great deal of timber is used....
Sanders: IT WILL BE SEEN THAT the cost of the square set placed in the mine...

---- is found to
Erdnase: and IT IS FOUND TO consist of the four Queens only. [p172]
Erdnase: selected cards are commanded to change places and FOUND TO have done so. [p177]
Sanders: Indeed, it is a fact that its use in large operations IS OFTEN FOUND TO be cheaper in the end

---- preclude the possibility of ----

[added 9/2018]
Erdnase: so as to PRECLUDE THE POSSIBILITY OF the schemer being discovered with the goods on him. [p116]
Sanders: the slope of the vein (21 degrees) PRECLUDES THE POSSIBILITY OF the tripod support being used... [SMR]

---- impossibility (to prove/establish) ----

[updated 5/2018]

--- almost/entirely impossible ...prove
Erdnase: is ALMOST IMPOSSIBLE, and PROOF of the act is wholly wanting [p24]
Sanders: it PROVED to be ENTIRELY IMPOSSIBLE to ESTABLISH [MONT]

---- quite/almost impossible ... without
Erdnase: as it appears QUITE IMPOSSIBLE TO throw the top card WITHOUT dropping both. [p120]
Sanders: more, it is ALMOST IMPOSSIBLE TO replace a rung WITHOUT destroying
Erdnase: as it is UTTERLY IMPOSSIBLE for me to see at all \[p176\]
Erdnase: it is ABSOLUTELY IMPOSSIBLE to detect the least \[p81\]

--- the greatest/least possible/probability ---

[added 9/2018]
Erdnase: employed with THE GREATEST PROBABILITY of success at the card table \[p99\]
Sanders: this framing is such as obtains THE GREATEST POSSIBLE stiffness...

Erdnase: THE LEAST POSSIBLE pressure should be exerted when \[p38\]
Erdnase: the two packets pass through THE LEAST POSSIBLE space in changing their position \[p99\]
Sanders: to form a connection that will weaken the timbers forming the "set" or frame IN THE LEAST POSSIBLE degree

--- it is nevertheless (a fact / certain) that ---

Erdnase: IT IS NEVERTHELESS A FACT THAT the coat sleeve of the magician is to him much the same as a Saratoga trunk to a summer girl \[p185\]
Sanders: IT IS NEVERTHELESS CERTAIN THAT the Class as a whole has followed with very great interest and pride his success and good fortune... [CRbio]

--- it is a fact (well known / often found) ---

Erdnase: but IT IS A FACT WELL KNOWN to conjurers. \[p175\]
Sanders: indeed, IT IS A FACT that its use in large operations IS OFTEN FOUND to be cheaper in the end...

--- the fact that .... (tell whether / tell the true / accept / find to be ) ----

Erdnase: THE FACT THAT he cannot TELL WHETHER all or none were \[p190\]
Erdnase: conscious OF THE FACT THAT he himself cannot TELL THE TRUE from the blind shuffle \[p21\]
Sanders: THE FACT THAT on this point Father Coquard ACCEPTED the indirect or hearsay EVIDENCE of indians
Sanders: it is A FACT THAT its use in large operations is often FOUND TO BE

--- (as a rule / generally) careless ----

[added 5/2018]
erdnase: and AS A RULE IS generous, CARELESS and improvident.
Sanders: they are GENERALLY caused by CARELESSNESS as in improperly feeding the machine or by....

--- the rule (is / should be) ----------- [technical-speak idiom] ----

Erdnase: THE RULE IS "divide the number by thirteen," \[p183-184\]
Erdnase: The INVIOLABLE RULE of the professional IS uniformity of action \[p22\]
Sanders: THE RULE SHOULD BE that the size of workings must be ample to carry out their purposes properly, BUT NOT larger than is necessary for ...

Erdnase: The cautious and prudent expert MAKES IT A RULE to NEVER "hold out," or palm extra cards.. \[p115\]
Erdnase: IT IS THE RULE for players to cut in about the same manner each time. \[p113\]
Erdnase: AS A GENERAL RULE the card expert WILL NOT hold out EXCEPT on his own deal for the cut \[p113\]
Sanders: oft PROVED by RULE OF THUMB [CRpoem]

--- immutable/fundamental laws/principles (of science/nature/causation) [theme-centric: science/logic] ---

Erdnase: The LAWS OF CHANCE are as IMMUTABLE as the LAWS OF NATURE. \[p9\]
Sanders: Acquire the LAWS OF TECHNIC TRUTH AND SCIENTIFIC LORE [CRpoem]

Erdnase: to obtain an understanding of its FUNDAMENTAL PRINCIPLES \[p194\]
Sanders: All pressure affecting earthworks is due to NATURAL FORCES, of which GRAVITY acting vertically downward is the FUNDAMENTAL consideration.

[added 9/2018]
--- cause and effect
Erdnase: one must have an understanding of THE CAUSE AND EFFECT of the various actions. \[p80\]
Sanders: or to follow out in them the relation between CAUSE AND EFFECT

[added 11/2018]
--- (caused by l due to) resistance [as force in physics]
Erdnase: The turn is CAUSED BY the RESISTANCE of the air against the protruding side. [p170]
Sanders: The pressure-forces encountered in underground excavations are DUE TO THE RESISTANCES offered by the rock-masses to the force of gravity
Sanders: to offer their powers of RESISTANCE to the pressure-forces bearing upon excavations

---- conclusively/sufficient prove/satisfy [theme-centric] ----

[updated 11/2018]
Erdnase: To CONCLUSIVELY PROVE that I take no part in the action [p176]
Sanders: the ample success of the Whiting or Red Jacket double-width six-compartment shaft of the Calumet & Hecla mines is SUFFICIENT PROOF.
Sanders: sufficiently CONCLUSIVE to SATISFY the historian...

---- disprove [theme-centric] ----

[added 5/2018]
Erdnase: I have duplicate cards concealed in my coat above, but that is easily DISPROVED [p187]
Sanders: it seems impossible to DISPROVE that his description bears especial reference to... [MONT]

---- Exact details/minutia ----

Erdnase: The EXACT manner in which each artifice is performed is fully described in MINUTIA. [p12]
Sanders: the facts ... may not be EXACT as to SPECIFIC DETAILS and dates although in all but MINOR POINTS the statements are correct. [MONT]

---- data ----

[added 5/2018]
Erdnase: give once more to the world complete and SCIENTIFIC DATA for positively ascertaining the immediate whereabouts of such metals as gold [p175]
Sanders: unique document that is readable and fairly well filled with DATA culled in a measure from... [ML1913]

---- the required (used as an adjective) ----

Erdnase: repeated until THE REQUIRED number are jogged [p63]
Erdnase: If THE REQUIRED suit is the next [p183]
Erdnase: and mentally urge THE REQUIRED action [p196]
Sanders: each scantling is bored at THE REQUIRED intervals
Sanders: it sometimes happens that THE REQUIRED information
Sanders: poles of THE REQUIRED length

☛ See also THE adj noun (reified)

Quantifying and qualifying

---- (rarely / only on) and then only ----

Erdnase: the expert will hold too many ONLY ON his own deal, AND THEN ONLY before the draw. [p115]
Sanders: is RARELY used for the inclines, AND THEN ONLY when posts are employed to form...

Erdnase: and is practiced ONLY WHEN the player is alone [p113]
Sanders: this joint is without doubt an excellent one WHEN, AND ONLY WHEN, the entire pressure upon...

---- any considerable ----

Erdnase: can be accomplished to ANY CONSIDERABLE extent [p65]
Erdnase: all men who play for ANY CONSIDERABLE stakes are looking for the best [p10]
Sanders: is not in itself sufficient to sustain ANY CONSIDERABLE thrust without a tendency ....
Sanders: the discovery had brought together ANY CONSIDERABLE number of persons

Sanders: to A CONSIDERABLE DEGREE taken their place in architectural structures

---- proportionately ----

[added 9/2018]
Erdnase: the action and time are shortened PROPORTIONATELY [p81]
Sanders: and thereby weakens the pieces at such points PROPORTIONATELY

---- to some extent ----

Erdnase: a sitting of prearranging TO SOME EXTENT for his deal. [p60]
Erdnase: TO SOME EXTENT with that chance in view. [p109]
Erdnase: without employing the prearranged deck TO SOME EXTENT [p185]
Sanders: although altered TO SOME EXTENT by the influence... [mont]
Sanders: and the grades will be necessarily mixed TO SOME EXTENT. [SMR]

Sanders: classified TO SUCH AN EXTENT as will greatly aid those who desire... [montLib]

---- in such/which case ----

[added 11/2018]
Erdnase: IN SUCH CASE the cards are not crimped. [p124]
Erdnase: IN SUCH CASE the performer will at once state [p190]
Sanders: IN SUCH CASES the remedy is usually applied
Sanders: often IN SUCH CASES from what will be its top

Erdnase: IN WHICH CASE the assistance of the deck for the third exchange is not required [p178]
Sanders: IN WHICH CASE the sets are framed with a hitch..

---- at some other point ----

[added 11/2018]
Erdnase: but of course hesitating AT SOME OTHER POINT. [p166]
Sanders: and another shape or construction more suitable AT SOME OTHER POINT

---- all the various ----

[added 11/2018]
Erdnase: insist that ALL OR ANY OF THE VARIOUS methods of executing it [p125]
Sanders: ALL THE VARIOUS newspapers... [montLib]

---- almost invariably ----

[added 11/2018]
Erdnase: It is ALMOST INVARIABLY done quite openly, and in company where... [p18]
Sanders: but round timbers for the level workings are ALMOST INVARIABLY shaped by hand

---- almost universal belief/accepted ----

[added 5/2018]
Erdnase: the ALMOST UNIVERSAL BELIEF that none but the unsophisticated can be deceived by blind shuffling [p21]
Sanders: but those described below are now ALMOST UNIVERSALLY ACCEPTED as affording the greatest possible strength
Sanders: of ALMOST UNIVERSAL application in advanced methods
4) Excellence

Both Sanders and Erdnase have a respect and almost reverence for Excellence. This includes a) excellence in performance or methods (e.g., "simple and easy" or "practical") as well as the inferiority of other methods (e.g., "cumbersome"); b) Education as a means to excellence; and c) Honor and Aesthetics ("grace" "pleasing effect" etc) as specific domains of excellence. There is also overlap with the theme of Rigor in words like "utmost" and "perfect" (over 70 occurrences in Erdnase) that imply both excellence and precision. Claims for the superiority of particular methods, appear repeatedly.

It is also significant that this high regard for excellence is highlighted in the title of The Expert at the Card Table. The term "expert" appears over twenty times in the body of the book. Similarly, Sanders uses the term a half a dozen times or more while describing the occupations of his classmates. And as mentioned, the concern for expertise carries over into the subtheme of education.

Some terms related to evaluating excellence: satisfactory, perfection, utmost, worthy, greatest, advanced, superior, by far, excellent, post-graduate, best, simplest, grace, artistic, pretty, novel, artistic, inartistic, artlessness, contrivance, honorable, upright ...

[excellence in methods]

*****(H) ---- MOST x and y MACHINE/DEVICE EVER/YET CONSTRUCTED ----

Erdnase: the MOST novel AND perfect MACHINES EVER CONSTRUCTED [p15]
Sanders: the simplest AND MOST easily manipulated DEVICE YET CONSTRUCTED

Erdnase: the MOST subtle AND ingenious gambling GAMES EVER DEVISED [p117]

*****---- best and simplest/cheapest method ----

Erdnase: the BEST AND SIMPLEST METHODS of accomplishing the sleights [p24]
Sanders: being the SIMPLEST AND CHEAPEST METHOD OF framing

---- simple and easy ----
Erdnase: method of stocking which has just been explained is very SIMPLE AND EASY to understand [p68]
Erdnase: This change is one of the SIMPLEST AND EASIEST feats [p149]
Erdnase: The action is very SIMPLE AND EASY to execute, [p40]
Sanders: these bolts are the SIMPLEST AND MOST EASILY manipulated device yet constructed

---- simplest/best methods ----
Erdnase: we shall describe several of the BEST METHODS known for secretly exchanging
Sanders: probably the SIMPLEST METHOD OF aligning the side plates of inclined-shaft sets

***** ---- the greatest advantage ----

Erdnase: if requested to determine from what single artifice THE GREATEST ADVANTAGE is derived we would unhesitatingly decide...[p23]
Sanders: the plan above described may be of THE GREATEST ADVANTAGE in blocking-out the ores...

***** ---- assistance/simple-system is CUMBERSOME and menace/expensive ----

Erdnase: the expert professional disdains THEIR ASSISTANCE. They are CUMBERSOME, unnecessary, and a constant MENACE to his reputation. [p15]
Sanders: This SYSTEM of shaft timbering is the SIMPLEST and often the cheapest in use BUT it becomes CUMBERSOME and EXPENSIVE.

Erdnase: in this respect is that the really clever card-handler can dispense with the ENDLESS DEVICES AND PREPARATIONS that ENCUMBER the performer in other branches.

***** ---- contrivances/makeshifts ----

Erdnase: Many mechanical CONTRIVANCES termed "hold outs" [p14]
Erdnase: and will dispense with such MAKESHIFTS as "cold decks" or any kind of prepared cards. [p19]
Sanders: and all other CONTRIVANCES whatsoever
Sanders: the various other CONTRIVANCES in use for enabling the timbers to come together [MTE]
Sanders: the accommodation of CONTRIVANCES connected with the drainage [L1906]

--- far in advanced/ vastly superior [theme-centric] ---

Erdnase: believe them VASTLY SUPERIOR to others that have come under our observation. [p14]
Sanders: such a construction is considered to be SUPERIOR in strength to the circular form.
Sanders: FAR IN ADVANCE of that in use among the older and less progressive mining communities.
Sanders: and represents THE MOST ADVANCED timbering in use.

--- incredible/remarkable rapidity ---

[added 11/2018]
Erdnase: a practiced operator can run up one or two hands with INCREDBILE RAPIDITY [p61]
Sanders: drawing the sap upward into the top and drying the wood with REMARKABLE RAPIDITY

--- the utmost xx [theme-centric] ---

Erdnase: acquiring perfect ability to run the whole deck through in this manner with THE UTMOST rapidity [p26]
Erdnase: An expert can run the whole deck with THE UTMOST rapidity [p58]
Sanders: huge timbers that have been frames with THE UTMOST precision
Sanders: he was taken up by the tides of fortune and lifted to THAT UTMOST pinnacle of human ecstacy [CRbio]
Sanders: where the framing of timbers for support is a matter of THE UTMOST precision
Sanders: whose opinions on this subject are entitled to THE UTMOST attention [MONT]

--- is by far the more/most ---

Erdnase: this method IS NOW BY FAR THE MORE prevalent among men who play for money [p21]
Erdnase: The riffle ... IS BY FAR THE MORE prevalent method in use among regular card players. [p33]
Sanders: this station, while requiring more excavating to construct, IS BY FAR THE MOST economical in the end
Erdnase: The next two methods of blind cuts are AMONG THE MOST subtle and indetectable manoeuvres [p41]
Erdnase: This is really ONE OF THE MOST subtle and ingenious gambling games ever devised [p117]
Erdnase: and yet ONE OF THE MOST useful and undetectable. [p149]

--- an excellent one [somewhat idiomatic] ---

Erdnase: The first described is AN EXCELLENT ONE for retaining either the top or bottom stock [p39]
Erdnase: The position is AN EXCELLENT ONE for ordinary dealing, and should never be changed. [p54]
Erdnase: The latter position is AN EXCELLENT ONE [p134]
Sanders: this joint is without doubt AN EXCELLENT ONE

--- miscellaneous other (non-matching) superlatives [theme-centric] ---

Erdnase: the ACME of ingenuity and mechanical skill has been reached [p18]
Erdnase: the ACME of control [p197]
Erdnase: The passion CULMINATES in the professional. [p9]
Erdnase: Advantages that are bound to ULTIMATELY give a percentage [p10]
Sanders: lifted to that utmost PINNACLE of human ecstacy [CRbio]

[excellence and respect for education]

**** --- take a post-graduate course in a field/vocation. ---

Erdnase: to TAKE A POST-GRADUATE COURSE in the highest and most artistic branches of his vocation [p3]
Erdnase: However, THE POST-GRADUATE in the art is quite conscious of the fact [p21]
Sanders: during the following year HE TOOK A POST-GRADUATE COURSE in Civil Engineering [CRbio]

**** --- CURRICULUM: educational path: study and practical experience [education - theme-centric] ---

For both, an educational path is described by the study and the CURRICULUM ("close application and constant study," "burned the midnight oil"), but KNOWLEDGE is ultimately achieved through practical experience ("cold
school of experience," "practical observation").

**Erdnase**: After the awakening our education progressed through CLOSE APPLICATION AND CONSTANT STUDY of the game, and the SUM OF OUR PRESENT KNOWLEDGE is proffered in this volume [p14]

**Erdnase**: essential to the CURRICULUM of artistic card handling [p25]

**Erdnase**: Our TUITION was received in the COLD SCHOOL OF EXPERIENCE. [p14]

**Sanders**: The COURSES WE POURED OVER, the STUDIES over which we BURNED THE MIDNIGHT OIL, the subjects of the CURRICULUM,

**Sanders**: we gained by PRACTICAL OBSERVATION much VALUABLE KNOWLEDGE of our future chosen work,

**Sanders**: Preliminary TRAINING of a PRACTICAL NATURE is an indispensable part of the equipment of the successful operator

We also hear echoes of Erdnase's "cold school of experience" in this excerpt from Sanders about the life of a mining engineer.

**Sanders**: you quit the game our MINING ENGINEERS have played, Through ARCTIC COLD and tropic flame

See also "for practical purposes" for more on the theme of theory vs practice.

----- artistic/delightful/fine VOCATION [education + aesthetics] -----

**Erdnase**: in the highest and most ARTISTIC branches of his VOCATION [p3]

**Sanders**: your successes do DELIGHT US in the work of your VOCATION [CRpoem]

**Sanders**: engaged in the DELIGHTFUL AVOCATION of underground work [CRbio]

**Sanders**: Where so FINE an AVOCATION? [CRpoem]

----- the art [field of knowledge, as in "state of THE ART"] -----

[added 11/2018]

**Erdnase**: Although many professors of THE ART vehemently deny the imputation... [p185]

**Sanders**: in any of the ways known to THE ART [Patent]

[excellence in aesthetics, ethics, and merit]

**** ---- produce/present a PLEASING effect/appearance ----

In addition to parallel syntax, meaning, and word choice (produce pleasing effect ↔ present pleasing appearance), note also the common use of alliteration on the letter P in both. This includes the near alliteration on the B, which is a bilabial plosive like P.

**Erdnase**: never fails in PRODUCING a most PLEASING and brilliant EFFECT. [p188]

**Sanders**: when thus placed the passage PRESENTS a PLEASING APPEARANCE.

----The related phrase "very pretty" is also used by both

**Erdnase**: We think it is VERY PRETTY. [p154]

**Erdnase**: A VERY PRETTY true cut is made in the following manner. [p46]

**Erdnase**: This is a VERY PRETTY method of varying the deal, and [p56]

**Sanders**: it was a VERY PRETTY site, on the right bank of the Platte river

----- artistic (or not) [theme-centric] -----

**Erdnase**: most ARTISTIC branches of his vocation [p3]

**Erdnase**: the curriculum of ARTISTIC card handling. [p25]

**Erdnase**: when making his own discard, is INARTISTIC, and risky, [p115]

**Sanders**: that from their very ARTLESSNESS and ingenuousness should convince...

**Sanders**: mining report that is less PICTURESQUE, less unique

**Sanders**: the not less PICTURESQUE nor less barbaric trappers

----- grace [theme-centric] -----

**Erdnase**: and such BUNGERS must learn to handle a deck GRACEFULLY before attempting a flight to the HIGHER BRANCHES of card manipulation. [p22]

**Erdnase**: when the action is GRACEFULLY executed without either haste or hesitation [p37]
**Erdnase:** with any degree of GRACE or SMOOTHNESS. [p37]
**Erdnase:** nicely calculated to make the deal appear GRACEFUL. [p56]
**Erdnase:** with the smoothness and GRACE of a clever card handler [p81]
**Sanders:** (about himself): He hez WONDROUS GRACE in hiz nether pegs, when he pir-hoo-ets on hiz rear hind legs
**Sanders:** we cheer good lad your heart of GRACE, your pride that ne'er has halted. [CRpoem]
**Sanders:** so GRACELESS a character (and punster) as Cozzens. [CRbio]

--- splendid [theme-centric] ---

**Erdnase:** But this is a SPLENDID change for many purposes. [p151]
**Sanders:** largest and most SPLENDID ship of the armada

--- (fascinating | many interesting) [theme-centric] ---

[updated 9/2018]
**Erdnase:** Acquiring the art is in itself a most FASCINATING pastime [p127]
**Erdnase:** It is the most FASCINATING of layout games. [p18]
**Sanders:** but always the FASCINATING existence of the honest miner and the princely smelterman

----- many interesting (in context of writing/publishing)-----
**Erdnase:** Part second describes the sleights employed in conjuring and MAY VERY INTERESTING card tricks. [p12]
**Sanders:** a library has been gathered which contains MANY valuable and INTERESTING works
**Sanders:** and MANY INTERESTING papers are thus obtained

--- honorable game/dealing [theme-centric] ---

**Erdnase:** the ancient and HONORABLE GAME whose title furnishes the headline for this paragraph. [p117]
**Sanders:** the precepts towards HONORABLE DEALING and fair living,.....

----- Many more thematic variants on honesty theme. An example. ----
**Sanders:** and therefore mining was given up for the work of teaching the young idea how to shoot, to so bend the young shoot (as we understand it) as to incline the tree towards an UPRIGHT EXISTENCE.

**** --- in every way worthy/better ****

**Erdnase:** It is IN EVERY WAY WORTHY of the practice necessary to acquire it [p134]
**Sanders:** good mining practice makes use of the framed set as being stronger and IN EVERY WAY BETTER.
**Sanders:** Here his work is WORTHY and WORTHILY done. [CRbio]

--- merit [theme-centric] ---

[added 5/2018]
**Erdnase:** the MERIT of the feat will be solely due to the mysterious properties [p176]
**Sanders:** and smile with friendly nod or frown in well-MERITED rebuke [CRbio]

---

### 5) Methods and practicality

This engineering-oriented theme involves the characterization of [methods], including their practicality. As such, it is also related to the earlier themes of [rigor/precision] and [excellence]. Terms: employ, manner, method, difficulties, system, process, advantageous, in practice, successful, etc. Of course, to a large degree, this theme and terms within it are part and parcel with any technical domain (sleight of hand and mining). However, grouping these examples together helps highlight the frequency and similarity of these correspondences, which wouldn't necessarily be expected from the technical domains alone.
difficulties/objections OVERCOME by the use of XX which is YY

Erdnase: This OBJECTION is entirely OVERCOME BY THE USE OF the break, WHICH IS illustrated in the following blind shuffle [p31]
Sanders: this DIFFICULTY is OVERCOME BY THE USE OF a half right-angled miter, of 45 deg., WHICH IS framed from the face of the timber...

difficulties OVERCOME by knowledge/understanding

Erdnase: When the positions and process are thoroughly UNDERSTOOD the main DIFFICULTIES ARE OVERCOME [p90]
Sanders: It is only by actual KNOWLEDGE in the handling of affairs that he is enabled to judge correctly of the conditions and to apply the proper remedies for OVERCOMING THE DIFFICULTIES that are continually arising.

Erdnase: and have OVERCOME by far the greatest DIFFICULTY. [p80]
Sanders: which DIFFICULTY may in a measure BE OVERCOME by diagonal spiling

---- difficulty is avoided ----
[added 5/2018]
Erdnase: the DIFFICULTY of the twisting out process IS AVOIDED. [p163]
Sanders: the DIFFICULT and expensive construction of the sloping bottom bin IS AVOIDED.

may be employed advantageously under XX circumstances/conditions

Erdnase: we shall describe several processes that MAY BE EMPLOYED ADVANTAGEOUSLY UNDER special CIRCUMSTANCES. [p144]
Sanders: but they MAY BE EMPLOYED ADVANTAGEOUSLY UNDER ALL CONDITIONS, except where the structure... [L1906]

Erdnase uses the term "employ" 44 times, and Sanders uses it 31 times in Mine Timbering alone. Here are some other ways they use it in common:

---- necessarily / employed ----
Erdnase: this hand would be the one NECESSARILY EMPLOYED [p192]
Sanders: Under ordinary conditions the L shaft should NEVER BE EMPLOYED, for its shape is such that it MUST NECESSARILY increase the expense... [L1906]

---- successfully employed ----
Erdnase: EMPLOYED with the greatest probability of SUCCESS at the card table [p99]
Erdnase: to EMPLOY a machine SUCCESSFULLY requires considerable address [p15]
Sanders: SUCCESSFULLY EMPLOYED to meet just such conditions in swelling ground. [MT]

---- methods employed ----
Erdnase: the several METHODS EMPLOYED appear the same as those in common every-day usage. [p164]
Sanders: may METHODS of framing the joints have been EMPLOYED and many forms of joints used.

---- (process) ... employed ... (for the/this purpose) ----
Erdnase: In this PROCESS an entirely different subterfuge IS EMPLOYED, and it is probably the most ingenious ever devised FOR THE PURPOSE [p149]
Sanders: For this purpose the PROCESS known as spiling or forepoling IS EMPLOYED
Sanders: with some form of the v-tenon IS EMPLOYED FOR THE PURPOSE of dividing the cross-sectional area

There would/can be little advantage... if/were (conditional)

[added 9/2018]
Erdnase: THERE WOULD BE LITTLE ADVANTAGE derived from clever shuffling, WERE the order to be subsequently disturbed in cutting [p39]
Sanders: THERE CAN BE LITTLE ADVANTAGE to the profession at large IF the discussion as to the best shape for a shaft is to be... [L1906]

be successfully worked [transitive use of "work"]

**** --- difficulties/objections OVERCOME BY the use of XX which is YY ----

****(H) --- difficulties OVERCOME BY knowledge/understanding ----

****(H) --- may be employed advantageously under XX circumstances/conditions ----

**** --- There would/can be little advantage... if/were (conditional) ----

**** --- be successfully worked [transitive use of "work"] ----
Erdnase: The methods described can BE SUCCESSFULLY WORKED with as many as eight or ten cards [p115]
Erdnase: we shall describe an exception that is at times WORKED SUCCESSFULLY [p114]
Sanders: from the deposits too small to BE SUCCESSFULLY WORKED in a commercial way

Erdnase: The top card is brought to the bottom by a ruse WORKED in connection with the Blind Cut [p103-104]
Erdnase: Some ARE WORKED by arm pressure [p15]
Sanders: the face HAS BEEN WORKED to line with the assumed plane
Sanders: the selected face IS WORKED to straight-edges, sighting
Sanders: and the valve (slide) IS WORKED INDEPENDENTLY by a separate machine [SMR]

("successfully worked" gleaned from from Carlo Morpurgo's overlapping sequences)

**** ---- the entire work (should be) done ----

[added 5/2018]
Erdnase: The ENTIRE WORK SHOULD BE DONE by the second fingers and thumbs. [p38]
Sanders: and THE ENTIRE WORK DONE during admission and expansion [THESIS]

Ease of methods

**** ---- without inconvenience ----

Erdnase: The bottom palm may be held while the deal is in progress WITHOUT INCONVENIENCE. [p93]
Sanders: leaves sufficient height for passage WITHOUT INCONVENIENCE.

**** ---- the ease with which ----

[added 5/2018]
Erdnase: To show THE EASE WITH WHICH the cards travel I shall [p187]
Sanders: and THE EASE WITH WHICH it may be manipulated [MTE]

**** ---- require (little or no | little if any) ----

Erdnase: LITTLE OR NO skill is REQUIRED, but a practiced hand can locate and bring the cards... [p62]
Sanders: shafts sunk in some localities REQUIRE LITTLE IF ANY timbering

---- little or no... and/but ----
Erdnase: There is LITTLE OR NO difficulty in performing this perfectly, AND the deal can be... [p94]
Sanders: large excavations may be supported with LITTLE OR NO timbering, BUT usually... [p18]

---- little difficulty ----
Erdnase: There is very LITTLE DIFFICULTY in acquiring the ability [p119]
Sanders: removed and replaced with apparently LITTLE DIFFICULTY [L1906]

---- with little ... ----
Erdnase: Strippers may be used in Faro WITH LITTLE fear of detection
Sanders: legal connections are looked upon WITH LITTLE favor by the average Mining Engineer;

---- requires no ... ----
Erdnase: It REQUIRES NO feat of memory [p73]
Sanders: this qualification, of itself, REQUIRES NO APOLOGY

---- can be readily ----

[added 5/2018]
Erdnase: The percentage in their favor is a known quantity, or CAN BE READILY calculated
Sanders: The leaf jk CAN BE READILY applied to any flat-bottom bin already constructed

---- facility ----

[added 5/2018]
Erdnase: in acquiring FACILITY to push out the bottom card [p54]
Sanders: the real value of the inclined-bottom bin lies in its FACILITY of discharge

--- greatly aid ---

Erdnase: risks that are taken MAY AID GREATLY in lessening the casualties. [p11]
Sanders: will be classified to such an extent as WILL GREATLY AID those who desire to ...[montLib]
Sanders: Many of Montana's citizens find the collection A GREAT AID in looking up matters... [montLib]

Patterns/frequency of use

**** --- RARELY USED/ATTEMPTED in a system ... and/but ----

Erdnase: running down so many cards WILL RARELY BE ATTEMPTED, BUT it shows the possibilities of the SYSTEM. [p82]
Sanders: the halved SYSTEM of framing, as explained under vertical shafts, IS RARELY USED for the inclines, AND then only when posts are employed to...

Erdnase: Printed cards are manufactured, but these ARE RARELY USED by professionals. [p16]

---- are much used ----

Erdnase: Prepared cards known as Strippers ARE MUCH USED by certain players [p17]
Sanders: Circular shafts are but little employed in America, but they ARE MUCH USED in Europe [L1906]

---- in general use ----

Erdnase: It is probably the oldest and best IN GENERAL USE. [p97]
Sanders: which has brought the single-width construction INTO SUCH GENERAL USE. [L1906]
Sanders: which it would seem is likely to come INTO GENERAL USE

---- usually made ----

[added 5/2018]
Erdnase: The cut is USUALLY MADE in this way [p110]
Sanders: yet there is a distinction USUALLY MADE in that the longer pair

---- those in use ----

Erdnase: the several methods employed appear the same as THOSE IN COMMON EVERY-DAY USAGE. [p164]
Sanders: the systems of timbering dealt with are THOSE IN USE among the mines of the mountainous regions

---- the practice of XX ["practice" meaning "habitual action"]----

Erdnase: Some players make A PRACTICE OF marking cards during [p17]
Sanders: the modern PRACTICE OF balancing loads [L1906]
Sanders: good mining PRACTICE makes use of the framed set... [MT]

---- oftentimes success/failure ----

Erdnase: A daring and yet OFTENTIMES SUCCESSFUL ruse of overcoming the cut difficulty [p110]
Erdnase: The mode of cutting OFTENTIMES becomes a HABIT that is unconsciously followed. [p113]
Sanders: OFT-TIMES they DRAW THE RICHEST PRIZE, most OFTENTIMES GET BLANKS
Sanders: certain variations of these several joints are employed, OFTENTIMES TO ADVANTAGE...

Various locutions using "manner" (and related)
Erdnase: The deck is held IN exactly THE SAME MANNER AS DESCRIBED for bottom dealing. [p56]
Sanders: have been brought to their places IN THE SAME MANNER as has been DESCRIBED

Erdnase: The top palm can be made with the right hand IN MUCH THE SAME MANNER
Erdnase: right hand packet again on top IN MUCH THE SAME MANNER,
Sanders: near the center of the set in MUCH THE SAME MANNER as are located the end posts or plates.
Erdnase: the coat sleeve of the magician is to him MUCH THE SAME as a Saratoga trunk to a summer girl
Erdnase: This brings the hands into MUCH THE SAME position 20

Erdnase: It can be ACCOMPLISHED IN THE FOLLOWING MANNER: [p62]
Sanders: the hole is now charged which IS ACCOMPLISHED IN THE FOLLOWING MANNER as observed,... [SMR]

Erdnase: The four Aces are TREATED IN THIS MANNER, then turned end for end, and the OPERATION REPEATED. [p16]
Sanders: the other set is TREATED IN A SIMILAR MANNER and so are the RUNS WORKED ALTERNATELY [SMR]

Erdnase: the left-hand packet, which is brought down IN LIKE MANNER, and so on. [p104]
Sanders: to which is bolted IN A LIKE MANNER the plunger piece [THESIS]

Erdnase: the deck IN SUCH A MANNER that the most critical observer [p83]
Sanders: that they otherwise might IN SUCH MANNER as they would wish to.

Erdnase: which make THIS STYLE OF shuffle POSSIBLE [p125]
Sanders: THIS STYLE OF cylinder is PREFERABLE because it causes the whole of the weights [THESIS]

Suitability/necessity of methods

Erdnase: This method of blind cutting is PARTICULARLY ADAPTED for working in with the blind riffle [p44]
Erdnase: it is EQUALLY WELL ADAPTED for retaining the top or bottom portion
Sanders: Such shafts are PARTICULARLY WELL ADAPTED to firm ground [L1906]

best suited to
Erdnase: but he can pick up any card or group of cards in the order BEST SUITED TO his design [p82]
Sanders: come together from the six directions in a manner BEST SUITED TO the needs of the occasion.

**** --- indispensable for the (successful operator | professional player) ---

[added 9/2018]
Erdnase: This artifice is erroneously supposed to be INDISPENSABLE to THE PROFESSIONAL PLAYER [p95]
Sanders: Preliminary training of a practical nature is an INDISPENSABLE part of the equipment of THE SUCCESSFUL OPERATOR

☛ See also THE adj noun (reified)

---- for practical purposes ----

Erdnase: The possibilities of the riffle, FOR ALL PRACTICAL PURPOSES at the card table [p33]
Erdnase: and FOR PRACTICAL PURPOSES stocking more than three should not be attempted [p77]
Sanders: would be far too cumbersome FOR PRACTICAL PURPOSES [RSMW]

---- in practice (and in theory) ----
Erdnase: IN THEORY it seems that this action will be very easily noticed. IN PRACTICE, if cleverly performed, it is almost impossible to detect. [pp147-148]
Sanders: IN PRACTICE certain variations of these several joints are employed, oftentimes to advantage, but the above discussion is intended to describe the PRACTICAL METHODS of framing the typical rectangular shaft set.

Sanders: Preliminary training of a PRACTICAL NATURE is an indispensable part of the equipment of the successful operator,

☛ See also practical education

Various locutions using "method"

---- methods of locating and Xing ----

Erdnase: various METHODS OF LOCATING AND PRODUCING selected cards [p128]
Erdnase: A more artistic METHOD OF LOCATING and SECURING cards [p62]
Erdnase: ordinary METHODS OF stocking, LOCATING and SECURING [p60]
Sanders: the METHODS OF LOCATING AND ALIGNING the sets are those used for...

Sanders: the METHOD OF LOCATING the sets

---- the modern method/practice ----

[added 5/2018]
Erdnase: THE MODERN METHOD of shuffling on the table [p28]
Sanders: THE MODERN PRACTICE of balancing loads upon the hoisting engine [letter 1906]

---- improving old methods ----

[added 5/2018]
Erdnase: Many professionals have attained their success by IMPROVING OLD METHODS, or inventing new ones [p14]
Sanders: and in IMPROVING UPON WELL-KNOWN METHODS already in vogue

---- THE USUAL method/practice/manner/ ...plan/procedure/way/ (samples) ----

Erdnase: The USUAL METHOD of "forcing" is to bring the particular [p143]
Sanders: when the USUAL METHODS of timbering may be resorted to.

Erdnase: The USUAL PRACTICE is to deal from the bottom. [p83]
Sanders: the USUAL PRACTICE in the West being for each
Sanders: the USUAL PRACTICE being to make the inner faces of the station sets aline with those of...
Erdnase: bring it down IN THE USUAL WAY of shuffling on [p160]
Sanders: are hung IN THE USUAL WAY by lag-screw [L2-1906]

Erdnase: card with the thumb in the USUAL MANNER [p56]
Sanders: to afford secure support to the sets by blocking and wedging in the USUAL MANNER.

--- by this method/plan/means/ ---

Erdnase: and much time and labor are saved BY THIS PLAN. [p24]
Erdnase: Two or more hands may be run up BY THIS METHOD [p66]
Erdnase: and BY THIS EXPEDIENT overcomes the principal obstacle [p96]
Erdnase: ascertaining its suit and value BY THIS MEANS as he holds it poised in the right hand. [p182]
Sanders: BY THIS METHOD the frames can be so exactly dimensioned that...

Details of specific methods (holding and positions)

--- in the same relative position ---

Erdnase: it leaves the top and bottom cards IN THE SAME RELATIVE POSITION
Sanders: both being placed IN THE SAME RELATIVE POSITION within the joint

--- roughen to hold (together) ---

[added 5/2018]
Erdnase: By ROUGHENING the faces of some of the cards they will HOLD TOGETHER [p18]
Sanders: surfaces are ROUGHENED to aid in its HOLDING TO the wooden end pieces

--- held in position ---

[added 9/2018]
Erdnase: The in-jog card is HELD IN POSITION by the little finger [p31]
Sanders: these sets are HELD IN POSITION by distance pieces

--- bind/hold firmly together ---

Erdnase: the other fingers and thumb HOLDING the packet FIRMLY TOGETHER. [p135]
Erdnase: the first, second and third fingers HOLDING the cards FIRMLY IN PLACE [p144]
Sanders: in order to BIND the frames FIRMLY TOGETHER at this point
Sanders: only serves to BIND the set more FIRMLY TOGETHER

6) Crossover content and topics

Several topics appear in the writings of both men. It is especially significant when Sanders writes about gambling and uses gambling terminology, including similar metaphors. It is also significant when Erdnase references mining and archaeology, both key biographical elements from Sanders' life as a mining engineer and Librarian for the Montana Historical Society. And likewise, Sanders' demonstrated interest in the derivation of words is mirrored in Erdnase.

Gambling and deception

****(H) ---- Sanders on GAMBLING (poem to Johnson) ----

Sanders writes explicitly about gambling games in a poem to Johnson.
Sanders:
Come, Johnson, cease your naughty ways,
Make simple faro, poker plays
Or roulette e'en, but stop this craze
For playin' the "Shell game."

However, Johnson, when I learn
The shell game played by your concern
Is not the western game I yearn
To see played on the square,
[...]

****(H) ---- Sanders on MINING/GAMBLING ----

[added 5/2018]

In poems for his classmates Huntington and Hollis, mining and gambling are tightly linked (as they were historically). Huntington left mining to settle down with a family and work in education. Sanders refers to it as having "quit the game," a phrase also referenced by Erdnase. And then Sanders says that Huntington is "STRAIGHT and true."

Erdnase: In most card GAMES ... there is an old adage much quoted that runs, 'If suspected, QUIT.' [p78]

Sanders:
So, Huntington, you QUIT THE GAME
Our mining engineers HAVE PLAYED ...
How thoughtful, gentle, STRAIGHT and true

Sanders:
As one who knows THE MINING GAME
From primal A to izzard...
He'd brave the cannon's mouth
When he some METAL CHASES.

And here's the kicker: both Sanders and Erdnase explicitly contrast other MORE RESPECTABLE PROFESSIONS (education and stock trading) with the WILD DELIGHTS and SENSATIONS associated with gambling and/or mining.

Sanders: Huntington has placed taboo the WILD DELIGHTS AND EXHILERATING INFLUENCES of the MINING PROFESSION and settled into the more prosaic, even if MORE RESPECTABLE, calling of education. [crbio]

Erdnase: have impressed the PROFESSIONAL CARD PLAYER with a certain knowledge that his MORE RESPECTED brother of the stock exchange possesses ... Hazard at play carries SENSATIONS THAT ONCE ENJOYED ARE RARELY FORGOTTEN [p10]

The danger of gambling is also described metaphorically. Erdnase writes of how he "bucked the tiger" and lost his money. This is a figure of speech referring to gambling at faro. Sanders uses a very similar image in describing how Hollis, his classmate and fellow mining engineer, would "brave the cannon's mouth" in the context of pursuing of money (metal) in "the mining game." The metaphors visually evoke the perils of the cannon's mouth and the tiger with its huge jaws, and the ferocious roar of both— all in the context of chasing money.

Erdnase: We BUCKED THE TIGER voluntarily, and censure no one for the inevitable result. A self-satisfied unlicked cub with a FAIRLY FAT BANK ROLL was too good a thing to be passed up. [p14]

Sanders: As one who knows THE MINING GAME From primal A to izzard...HE'D BRAVE THE CANNON'S MOUTH When he some METAL CHASES. [CRpoem]

**** ---- Sanders on condition of hands ----

[added 5/2018]

Given its relevance to sleight of hand with cards, we would expect Erdnase to mention the condition and other attributes of hands. And that is what we find, both in the text of EATCT and in Marshall Smith's recollections as told to Martin Gardner.
Erdnase: The beginner invariably imagines his HANDS are too small or too large, but the size has little to do with the possibilities of skill. Soft, moderately moist HANDS are best adapted for the purpose. When the CUTICLE is hard and dry, or excessively humid, the difficulties increase. A simple PREPARATION TO SOFTEN the HANDS and good general health usually produce the desired CONDITIONS. Of course dry FINGERS may be moistened, or damp ones dried, but either operation is objectionable. [p24]

Erdnase: We presume that THE LARGER, OR THE LONGER THE HAND, the easier it will be for a beginner to accomplish this shift, but a VERY SMALL HAND can perform the action when the knack is once acquired. [p101]

Smith: His hands were not large. He called my attention to them and I remember well FEELING THEIR SOFTNESS, much softer than any woman's hands I ever fussed with. He explained how HE TOOK CARE OF THEM and why. Was proud of them.

Smith: I mean he was proud of the job he made on his hands and not proud of his hands.

Smith (via Gardner): Smith recalls his HANDS very vividly. They were the SOFTEST HANDS he'd ever seen. Obviously he had done no heavy work or washed dishes. HANDS WERE SOFT like a woman's. He spoke good deal about how he had to keep them IN CONDITION

Smith (via Gardner): He remembers Andrews showing him some card tricks, and complaining that the cold made his fingers stiff. He remembers Andrews rubbing his hands together to warm them up, and telling him that it was necessary for him to KEEP HIS HANDS IN GOOD CONDITION. He said that he kept them greased.

We would not, however, expect a mining engineer to be as focused on hands, but that is what we find. In Sanders' diaries, he complains about the rheumatism and discomfort he felt from working in the cold ground in mining work. He was concerned about damage to his hands and called wheelbarrows "instruments of torture." And in his writings, he vividly describes various attributes of hands (often with humor and irony). The condition of hands seems to have been a subject of considerable interest to him.

Sanders: He had been engaged in the delightful avocation of underground work, on a "lease," at Bannack, and the CONDITION OF HIS HANDS, then exhibited with amiable pride, bore ample evidence that he knew well the joys of handling the shovel and "polishing the head of a drill"—good, hearty, wholesome work. [CRbio: bemis]

Sanders: Of the days when you worked in the mines; On my life! Then the HORN ON YOUR HANDS was a wonderful sight. [CRbio: bemis]

Sanders: And the bone-smashing GRIP OF YOUR PAW [CRpoem]

Sanders: and up would go his HAND, WITH FINGERS popping like a bunch of firecrackers on a Celestial New Year. [CRbio: On "Pop" Starek]

Sanders: a wriggling, sinuous forward movement of the HAND with the INDEX FINGER advanced, much resembling the motion of a snake in crawling. [MONT]

We list, here, examples (from the above and elsewhere) of Sanders and Erdnase reference similar gambling or deception-related terms and topics.

**** --- on the square [gambling slang] ---

Erdnase: it is generally dealt ON THE SQUARE in gambling rooms that are run openly [p18]

Sanders: Is not the western game I yearn To see played ON THE SQUARE, [CRpoem]

See Full poem for context

**** --- quit the game [gambling slang] ---

Erdnase: In most card GAMES ... there is an old adage much quoted that runs, "If suspected, QUIT." [p78]

Sanders: so, Huntington, you QUIT THE GAME our mining engineers have played, [CRpoem]

See Full poem for context

**** straight [as "honest"] ****

[added 9/2018]

Erdnase: and the game is sometimes dealt with STRAIGHT cards. [p118]

Sanders: how thoughtful, gentle, STRAIGHT and true [CRpoem]

Sanders: and well we know, dear pal of old, how STRAIGHT you are and true [CRpoem]

****(H) --- CULLED ... fairly well ****
In this example, a distinctive word with a gambling connotation (“Cull”) is used in the same sentence as the collocation "fairly well."

Erdnase: These examples of CULLING, if FAIRLY WELL executed. [p81]
Sanders: FAIRLY WELL filled with data CULLED in a measure from geologic reports... [ML1913]

**** ---- jog [uncommon word, used extensively as a gambling sleight by Erdnase] ----

Erdnase: 191 occurrences (card sleight)
Sanders: in this way the JOG can be avoided [L1906]

**** ----- devising shrewd/keen/cunning ----- 

[added 5/2018]
Erdnase: impossible for the KEENEST eye to detect the ruse
Erdnase: We don't think many SHREWD players could be so imposed upon
Erdnase: This CUNNING and absolutely unfathomable STRATAGEM must have been DEVISED by an individual of truly MACHIAVELLIAN SUBTLETY.
Sanders: and their SHREWD KEENNESS IN DEVISING WAYS to meet the problems presented

**** ----- furtive glance ----- 

[added 11/2018]
Erdnase: the operator might GLANCE AT IT WITHOUT BEING NOTICED [p31]
Erdnase: Now the operator LOOKS COVERTLY into the eyes of the spectator [p168]
Sanders: How with FURTIVE SIDE-GLANCE through the tail of the eye [CRpoem]

Derivation of linguistic terms

Both Sanders and Erdnase show substantial interest in the derivation of words and names. They both call attention to cases when a word is commonly misused or a misnomer.

****(H) ---- Sanders and Erdnase on the derivation of linguistic terms ----

[added 5/2018]

While librarian for the Montana Historical Society, Sanders wrote an in-depth article on the derivation of the name Montana. And in his Columbia class reunion bios, he explicates the sources of the nicknames of his classmates. In addition, his mining articles also describe the derivation of terminology.

Sanders: the WORD is an adjective form that is DERIVED from the noun mount or mountain. [MONT]
Sanders: making their way over to the headwaters of the Musselshell river, SO NAMED because of the shells that are to be found along its banks. [MONT]
Sanders: Of Starek we remember the CAUSE which led to the NICKNAME by which he was known to us all, that of "Pop" Starek. [CRbio]
Sanders: ERNEST JULIUS HYACINTH AMY...a name which served the double use of his COGNOMEN and our own mark of affection, for he was never known to us by his FRONT NAME or any of them.
Sanders: This designation is now generally applied to the plates of both the vertical and inclined shafts, although it is probable that the NAME ORIGINATED in connection with the timbering of the latter ...and this SIGNIFICANCE of the TERM was finally EXTENDED TO comprehend the similar longer plates of vertical shafts as well. [MT]
Sanders: An adit, USUALLY MISCALLED tunnel throughout the West [MT]

Erdnase displays a similar interest in the derivation of names and other terms. He mentions the likely source of the term "cold deck" and recognizes that the standard name of a sleight ("back palm") is actually a misnomer. He also takes time to describe the origins of names that he, himself, has invented.

Erdnase: The "Cold Deck" ... The NAME is probably DERIVED from the fact that the deck must await its opportunity long enough to contract a chill in the interim. [p18]
Erdnase: The Back Palm.-- We are afraid the above title is a MISNOMER.
Erdnase: The Longitudinal Shift.-- This shift, for which we have to thank no one, is GIVEN A VERY LONG NAME ... [p135]
Erdnase: The S. W. E. Shift. We have not DUBBED the following process with OUR INITIALS because we wish to appear "big on the bills," but merely to GIVE IT A NAME. [p134]

Both are interested not only in origins of words but of methods.

[added 9/2018]

Erdnase: methods following were ORIGINATED by us, and we believe [p25]
Erdnase: we must confess to some satisfaction in having ORIGINATED what we believe to be... [p134-135]
Sanders: square-set system of timbering was ORIGINATED to meet the needs of the situation
Sanders: it is probable that the name ORIGINATED in connection with the timbering of the latter,

☛ See also **term as, known as** and **combination of letters** and the section on **Wordplay**.

Archaeology, mining, and history

****(H) ---- Erdnase on MINING and ARCHAEOLOGY (from "The Divining Rod") ----

The Divining Rod represents a remarkable confluence of Sanders' background and interests (mining and cultural preservation) into a single card trick.

Erdnase's patter centers on the conceit of prospecting for gold. This is something Sanders did in real life.

Erdnase: I have mapped out a plan of experiment and study that will in time, I trust, enable me to give once more to the world complete and scientific data for positively ascertaining the immediate whereabouts of such METALS AS GOLD, SILVER OR COPPER by a process as simple as the waving of a willow wand over the PROSPECTED AREA. [p175]

Both Erdnase and Sanders describe the search for hidden underground deposits.

Erdnase: DIVINING THE PRESENCE of water or metals that lay HIDDEN far under the ground [p175]
Sanders: except in the case of PROSPECTING HIDDEN or BLIND deposits

In the same trick, Erdnase refers to ARCHAEOLOGY and bemoans the WONDERFUL ARTS from ancient times that are now LOST. Sanders, in the 1890s, was Librarian for Montana Historical Society and actively worked to preserve the "archaeology" and its "wonderfully interesting" oral history and relics among those that are already "irretrievably lost."

Erdnase: It is a fact well known to ARCHAEOLOGISTS that many very WONDERFUL ARTS which were POSSESSED by the ANCIENTS have, through the COURSE OF AGES, been completely LOST to MODERN CIVILIZATION. [p175]
Sanders: the various objects which might serve to enlighten us upon the ARCHAEOLOGY and Ethnology of the Northwest; and such narratives and RELICS as would be of future interest which deal with the lives and works of the EARLY DWELLERS and travellers in this section or tend to illustrate some incident IN HISTORY... What a vast mass of WONDERFULLY interesting and valuable material might be gathered. Already much from our PAST that we SHOULD POSSESS is IRRETRIEVABLY LOST to us [montLib]

And throughout their writing, both invoke the term "ancient" as almost a talisman.

---- "ancient" ----
Erdnase: without giving some consideration to the ANCIENT and honorable game [p117]
Erdnase: It is a fact well known to archaeologists that many very wonderful arts which were possessed by the ANCIENTS have, through the course of ages, been completely lost to modern civilization. [p175]
Erdnase: The saying is as true as it is ANCIENT, and [p185]
Sanders: it is difficult to determine the exact limits of what in ANCIENT times were regarded as...
Sanders: which in ANCIENT times, were called colles...
Sanders: and that the word Montana was so applied in ANCIENT times.
Sanders: ANCIENT historians
Sanders: in fellowship of ANCIENT days to meet each gladsome year
Sanders: where i see the ANCIENT affection burn
In addition to thematically and topically grouped linguistic correspondences, there are a number of more neutral linguistic constructs that show up in both writers.

**** Relationship with knowledge

**** ---- our/my early knowledge ----

Erdnase: we sorrowfully admit that OUR OWN EARLY KNOWLEDGE was acquired ... [p10-11]
Sanders: From MY EARLY KNOWLEDGE of you [CRPoem]

**** ---- our present knowledge ----

[added 5/2018]
Erdnase: and the sum of OUR PRESENT KNOWLEDGE is proffered in this volume [p14]
Sanders: The latter averment is manifestly wrong to OUR PRESENT KNOWLEDGE [MONT]

**** ---- intimate acquaintances/associations ----

Erdnase: An INTIMATE ACQUAINTANCE with the modus operandi of card table artifice
Sanders: the INTIMATE ASSOCIATIONS which in youths of generous minds form a mutual regard
Sanders: and, furthermore, a DEFINITE ACQUAINTANCE with the upper Missouri country is assured in the certainty with which..

**** ---- an understanding. ----

Erdnase: It is not difficult if A PROPER UNDERSTANDING of the action is obtained [p140]
Erdnase: to obtain AN UNDERSTANDING of its fundamental principles, [p194]
Erdnase: desiring A COMPLETE UNDERSTANDING should take the deck in hand [p12]
Erdnase: A PERFECT UNDERSTANDING of the exact manner in which it is performed [p52]
Sanders: definite information as to that name, the word "Montana," or an UNDERSTANDING as to its actual significance...
Sanders: with this UNDERSTANDING the qualifying word mountainous will be employed as a noun, properly and logically to signify,

**** ---- it does not matter/detract in the least ----

[added 5/2018]
Erdnase: IT DOES NOT matter IN THE LEAST when performing [p179]
Sanders: while IT DOES NOT detract IN THE LEAST from the column. [SMR]

Erdnase: without IN THE LEAST suspecting the choice is influenced in [p142]
Sanders: the most powerful detonator known that is IN THE LEAST, safe to handle. [SMR]

**** ---- the greater the X, the greater the Y ----

Erdnase: though of course THE GREATER the number, THE MORE probability of the dealer noticing the diminished condition of the deck [p115]
Erdnase: In all card entertainments THE MORE palaver THE MORE the interest is excited [p174]

**** ---- This follows a more general pattern: a parallel comparative construction ----

Erdnase: THE LARGER, or THE LONGER the hand, THE EASIER it will be for a beginner to accomplish this shift [p101]
Erdnase: THE MORE at a time THE SIMPLER to run up more desired [p77] cards.
Erdnase: THE MORE PLAYERS THE MERRIER
Erdnase: THE MORE THE methods for blind shuffling are varied THE GREATER ARE the probabilities of convincing the company that the cards are genuinely mixed [p164]
Sanders: when the material run through IS RICH a LONGER head with a SHORTER tail is taken, where POOR a SHORTER head with a LONGER tail. [SMR]

Note: "the greater the" pattern gleaned from from Carlo Morpurgo's overlapping sequences

See also litanies

**** --- (purpose is sufficiently answered | sufficient for all purposes) ---

[updated 5/2018]
Erdnase: His PURPOSE in that respect IS SUFFICIENTLY ANSWERED by keeping the desired cards... [p20]
Erdnase: Two or three coups in the course of an evening... are quite SUFFICIENT TO ANSWER ALL PURPOSES. [p19]
Sanders: the required information ... IS SUFFICIENTLY ANSWERED in and by the workings of adjoining property [MT]
Sanders: iron bars and straps (iron) WHICH ANSWER TO THE SAME PURPOSE as the iron frame. [SMR]
Sanders: It is probable that the single-shanked bracket would be SUFFICIENT FOR ALL PURPOSES [1906L2]

Note: "is sufficiently answered" pattern gleaned from from Carlo Morpurgo's overlapping sequences

---- fair and impartial ----

Erdnase: I wish some gentleman in the audience who is desirous of giving my ability A FAIR AND IMPARTIAL test,
Sanders: a perusal of the following excerpts from the text will convince any FAIR MINDED UNBIASED mining engineer.

---- the greater NOUN ----

Erdnase: seen that the old-fashioned or hand shuffle gives THE GREATER POSSIBILITIES [p20]
Sanders: timber furnishes THE GREATER PART of the artificial supports...

---- the real value of ----

[added 5/2018]
Erdnase: He knows little of THE REAL VALUE OF money [p10]
Sanders: THE REAL VALUE OF the inclined-bottom bin lies in its facility of discharge

---- excessive cost ----

Erdnase: knowledge was acquired at the usual EXCESSIVE COST to the uninitiated. [p11]
Sanders: because it does away with the ponderous and EXCESSIVELY COSTLY ... [THESIS]

---- summing up ----

Erdnase: an adversary enjoying ordinary luck, will find IN SUMMING UP his points [p116]
Sanders: the advantages of this construction ... MAY BE SUMMED UP as follows [L2-1906]

Various linguistic constructions using "but" (and related)

---- with but one/few reservation/exceptions ----

Erdnase: WITH BUT ONE RESERVATION, that he has the price
Sanders: WITH BUT FEW EXCEPTIONS [montLib]

---- there is but AMOUNT ... ["but" meaning "only"] ----

[added 5/2018]
Erdnase: there is BUT ONE pleasure in life greater [p9]
Erdnase: there are BUT TWO OR THREE players in a game [p111]
Sanders: ARE BUT FEW that rest upon our shelves. [montLib]
Sanders: there now remain in the possession of the society BUT 50 copies [montLib]
Sanders: the stull IS BUT the adaption of the prop...

Erdnase: THERE BEING BUT THIRTEEN names to commit, [p179]
Sanders: THERE BEING TWO men at each of the five drills... [SMR]

Sanders: Circular shafts are BUT LITTLE employed in America [L1906]
Sanders: they blasted BUT LITTLE stronger than if for solid rock [SMR]

Erdnase: we will describe BUT THREE which we consider at all practicable [p95]
Sanders: The stull IS BUT THE adaptation of the prop
Sanders: which IS BUT THE application of the post [MT]

[pointed out by Bill Mullins in Genii Forum]

--- some AMOUNT ---

Erdnase: It is necessary to put SOME LITTLE BRAINS into so simple [p80
Erdnase: separated again by SOME LITTLE DISTANCE [p148]
Erdnase: SOME LITTLE PRACTICE must be put in to acquire the knack [p159]
Erdnase: show SOME SLIGHT embarrassment [p202]
Sanders: after SOME FOUR YEARS this opened up to the ... [CRbio body]
Sanders: on an average SOME FOUR DRILLS are sharpened [SMR]
Sanders: the "caps" are made of a case SOME 3/4" IN LENGTH which contains... [SMR]

--- all but ---

Erdnase: A little practice enables the right hand to release ALL BUT the bottom card with ease and accuracy. [p72]
Sanders: although in ALL BUT minor points the statements are correct. [MONT]

--- but for ---

Erdnase: BUT FOR use in this particular case we would advise another palm [p107]
Erdnase: hold out that we consider really safe is made by the dealer, and BUT FOR the moment of cutting. [p110]
Erdnase: I have impressed you somewhat with the intelligence and agility the Jacks possess in themselves, BUT FOR fear you may fancy that I have anything to do with their performance [p192]
Erdnase: and the palmed cards remain in the dealer's possession BUT FOR the moment. [p111]
Sanders: the facts here narrated were related to me by my father, BUT FOR the reason that the notes thereon have been misplaced and cannot be found I am compelled... [MONT]
Sanders: and angles with regard to it; BUT FOR sufficient reasons I believe that the basis of all framing should...

--- the nature of the ---

[added 5/2018]
Erdnase: company is not yet informed of THE NATURE OF the trick [p180]
Sanders: The timbering of shafts varies according to THE NATURE OF THE ground [MT]
Sanders: as THE NATURE OF THE ground requires [MT]
Sanders: depending upon THE NATURE & EXTENT OF the damage done. [SMR]
Sanders: and the bank partakes more of THE NATURE OF a wall [MTE]

--- might (well) be termed ---

Erdnase: This example MIGHT WELL BE TERMED a fancy cull [p82]
Sanders: from the extraction of ores with WHAT MIGHT BE TERMED open blocks...
Sanders: by WHAT MIGHT BE TERMED an enclosing and protecting shield

... TERMED ...
Erdnase: Many mechanical contrivances TERMED "hold outs" have been invented. [p15]
Erdnase: We should mention that a shift is TERMED by the conjurer a "pass." [p128]

... might/may WELL be/have ...
sanderson: Another plan MIGHT WELL BE employed in connection with...
Sander: the various transverse and longitudinal passageways....MIGHT WELL BE made to coincide with the series of...[RSMW]
sanderson: of which any class, ancient or modern, MAY WELL BE proud.
sander: he MIGHT WELL HAVE added Chinese

Erndnase: Prepared cards KNOWN AS "Strippers"... [p17]
Erndnase: The winnings KNOWN AS "pretty money," [p10]
Sander: by what is KNOWN AS the single-piece...
Sander: while the square pieces are KNOWN AS "girts"

Erndnase: some antiquated moss-covered ruses AS WELL KNOWN AS nursery rhymes [p13]

Erndnase: knowing players require NOTHING MORE THAN a bare suspicion of skill to [p24]
Sander: a method of timbering ... is NOTHING MORE THAN the crib of the flat deposits

Erndnase: The deck SO ARRANGED makes every thirteenth card the same value, [p179]
Sander: one being SO ARRANGED that the ore cars dump directly....
Sander: and SO ARRANGED time and place that he was taken up...
Sander: the holes were SO ARRANGED as to take out from face first a triangular prism [SMR]
Sander: shafts are of two kinds, one being SO ARRANGED that the ore cars
Sander: an iron strap is SO ARRANGED that the feeder is told... [SMR]

--- other verbs using same "so" verb passive construction ---
ernsdnase: as long as the originators are SO DISPOSED.
erndnase: Four of a Kind will be found SO REMOVED. It is very simple to
ernsdnase: players could be SO IMPOSED UPON, but we regret the truth
Sander: by an amount equal to the sections a/ y' SO REMOVED.
Sander: and when SO HELD are blocked and wedged firmly in place
Sander: the parts of which... are SO FITTED together at the joints as to form a ...
Sander: the piece is SO BEVELED that this mitered face will coincide
Sander: the timbers are SO CUT that the splice will coincide with the length-
Sander: the parts being SO FRAMED that the set may be placed in position
Sander: should be SO AFFLICTED [crbio]
Sander: and in his high place he has since SO BORNE himself that he has made us proud of him [crbio]
Sander: overcome by diagonal spiling SO PLACED as to cover these openings,
Sander: The "lift-Pump" at the bottom of the shaft is SO PLACED for various reasons
Sander: making their way over to the headwaters of the Musselshell river, SO NAMED because of the shells that
are to be found along its banks. [MONT]
Sander: it must, however, be SO CONSTRUCTED to withstand the impact of... [ORE]

Erndnase: it will TAKE NO PART at all in the action. [p101] (two other "take no part")
Erndnase: the writer USES NO SOPHISTRY as an excuse for its existence [p3]
Erndnase: The mode of shuffling ... incites NO NOTICE [p161]
Sander: author of this monograph has been able to DISCOVER NO definite or sufficient REASON [MONT]
Sander: the framing of the sets INVOLVES NO small ITEM of outlay.
Sander: was POSSESED IN NO small DEGREE by victorious Rome. [Mont]
Sander: the society MAKES NO PRETENCE of publishing a connected account of the series [montLib]
but the first finger TAKES NO PART in the action.
The mode of shuffling over and under the left hand packet is commonly employed, and INCITES NO NOTICE.
DEVISE NO END of tricks for himself,
to SHOW NO PARTIALITY we shall
To conclusively prove that I TAKE NO PART in the action
test the performers ability by MAKING NO TRANSFER
but IN NO CASE stopping until well separated again. [slightly different syntax]

[Pattern pointed out by Bill Mullins in Genii Forum]

☛ See also uses no sophistry

---- the occasional/required/average [idiomatic with definite article ... reified "THE" adj noun]----

In these examples, the definite article ("the") and an adjective are used to essentially define a type or category on the fly. e.g. "The observant dealer" is not talking about a specific dealer but a class of dealers.

Erdnase: the principal difference between the professional gambler and THE OCCASIONAL gambler [p10]
Sanders: require little support other than that furnished by THE OCCASIONAL pillar of ground

Erdnase: and mentally urge THE REQUIRED action [p196]
Erdnase: the REQUIRED number [p63]
Sanders: each scantling is bored at THE REQUIRED intervals
Sanders: it (the machine) is directed in THE REQUIRED direction and there fastened... [SMR]
Sanders: THE REQUIRED INFORMATION as to orebodies beneath the surface of a mining claim [MT]

Erdnase: THE AVERAGE card player [p21]
Erdnase: THE AVERAGE professional who is successful at his own game [p10]
Erdnase: THE AVERAGE luck [p9]
Sanders: THE AVERAGE mining engineer

Others (unmatched)...
Erdnase: THE OBSERVANT DEALER is thus enabled to put in his crimp high
Erdnase: THE EXPERT PROFESSIONAL disdains their assistance.
Erdnase: to the PROFESSIONAL PLAYER
Erdnase: THE CLEVER PROFESSIONAL who values his reputation
Erdnase: THE RESOURCEFUL PROFESSIONAL failing to improve the method changes the moment
Erdnase: THE FINISHED CARD-TABLE EXPERT will experience little or ...
Erdnase: THE FINISHED CARD EXPERT CONSIDERS nothing too trivial that in any way contributes
Erdnase: but THE FINISHED PERFORMER will use the right hand only as a cover
Erdnase: the FAMILY deck
Sanders: the fascinating existence of THE HONEST MINER and THE PRINCELY SMELTERMAN
Sanders: the fascinating existence of THE SUCCESSFUL OPERATOR

☛ See also "the required"

---- many another ----

Erdnase: and the reputation is liable to precede him in MANY ANOTHER. [p23]
Sanders: among files containing MANY ANOTHER mining report that is less picturesque, less unique. [ML1913]
Sanders: as sweet and handsome as MANY ANOTHER [CRbio]

---- would (not do | do well) to ----

[added 6/2018]
Erdnase: Of course, IT WOULD NOT DO TO make up the desired cards from [p79]
Sanders: he WOULD DO WELL TO soliloquize with Burns [CRbio]

Various connectives

---- in either event ----
[added 5/2018]  
**Erdnase**: IN EITHER EVENT the answer to the first question discloses the identity of the thought card. [p195]  
**Erdnase**: IN EITHER EVENT he has only thirteen cards to run through before finding one of the same value [p181]  
**Sanders**: IN EITHER EVENT it is necessary to clear it out before it can be charged. [SMR]

--- needless to say [common idiom] ---

**Erdnase**: "IT IS NEEDLESS TO SAY THAT I do not know which cards were selected," (in patter) [p201]  
**Sanders**: IT IS NEEDLESS TO SAY THAT exactness in the fitting together...

--- so far as ---

**Erdnase**: but SO FAR AS we can learn from the exhibitions and literature of conjurers  
**Sanders**: except SO FAR AS such unused space is advantageous [L1906]

--- so as to ---

[added 5/2018]  
**Erdnase**: SO AS TO preclude the possibility of the schemer being discovered [p116]  
**Sanders**: the drill is driven slowly SO AS TO decrease this vibration [SMR]

--- In this way xx can ... ---

**Erdnase**: IN THIS WAY he CAN get the under cards by bottom dealing. [p110]  
**Sanders**: IN THIS WAY the jog CAN be avoided [L1906]

--- it would seem ---

**Erdnase**: IT WOULD SEEM very awkward indeed [p56]  
**Sanders**: which IT WOULD SEEM is likely to come into general use  
**Sanders**: so as to allow more spring but THIS IT WOULD SEEM must weaken the timbers. [SMR]

--- but/and...in any case ---

[added 9/2018]  
**Erdnase**: BUT IN ANY CASE it would not matter much [p95]  
**Sanders**: AND it is well IN ANY CASE to leave them in place for several sets from the bottom of the shaft [MT]

--- it is well to ---

[added 5/2018]  
**Erdnase**: IT IS WELL TO insist that but one card must be moved at a time. [p188]  
**Sanders**: IT IS WELL TO leave the tops undisturbed  
**Sanders**: in this classification IT IS WELL TO assume as of the normal type those rocks that possess...

--- in other words ---

[added 5/2018]  
**Erdnase**: IN OTHER WORDS, to run one and throw balance on top [p81]  
**Sanders**: IN OTHER WORDS the texture of the materials of construction, becomes possessed of sufficient strength

--- i trust [stilted locution] ... able/enable ---

**Erdnase**: I have mapped out a plan of experiment and study that WILL in time, I TRUST, ENABLE me... [p175]
Sanders: However, I TRUST I SHALL BE ABLE so to mix the joyous with the serious as to yield a proper "blend" suited to every palate

--- the object of ---

[added 5/2018]
Erdnase: THE OBJECT OF a shift is well known, and especially... [p96]
Sanders: THE OBJECT OF this table is to concentrate low grade material to such a degree that it will pay to smelt and handle it. [SMR]

--- save that ---

[added 9/2018]
Erdnase: the player has no greater advantage SAVE THAT he knows enough not to bet. [p120]
Sanders: in all respects SAVE THAT of immediate delivery of the chute, the most satisfactory

--- (by the fact that | and in fact) ---

[added 9/2018]
Erdnase: seen BY THE FACT THAT it is seldom or never
Sanders: it is counterbalanced, however, BY THE FACT THAT when ...

--- and in fact
Erdnase: AND IN FACT if the packets can be held under perfect control [p163]
Sanders: Some, AND IN FACT the larger number of our Mining Engineers, have forsaken...
[CRbio]

--- on the subject ---

Erdnase: While ON THE SUBJECT OF cuts, [p48]
Sanders: a complete treatise ON THE SUBJECT,

Erdnase: our treatment OF THE SUBJECT [p97]
Sanders: its bearing UPON THIS SUBJECT the following letter...
Sanders: whose opinions ON THIS SUBJECT are entitled to the utmost attention [MONT]

--- without/litle heed ---

[added 5/2018]
Erdnase: while the deck is being shuffled apparently WITHOUT HEED or design. [p20]
Sanders: seldom takeup a pen for writing and pay LITTLE HEED to letters [montLib]

--- such conditions ---

[added 5/2018]
Erdnase: Will they endure SUCH CONDITIONS?
Sanders: successfully employed to meet just SUCH CONDITIONS in swelling ground. [MT]
Sanders: Under SUCH CONDITIONS the use of full-length wall plates is impossible, [MT]
Sanders: Under SUCH CONDITIONS was born the infant Life. [MONT]

8) Miscellaneous word choice

This section includes unusual or idiosyncratic word choices (e.g. "dalliance"), idioms ("quit the game") as well as associated topics. Not all unusual words, idioms or topic references will be listed below. For example, words related to themes or topics highlighted in other sections are included in those sections. Also, in some cases, a word choice invokes a topic that strongly suggests biographical elements. See crossover topics for fuller examples of that (though some snippets are included below).
dalliance

Erdnase: If DALLIANCE with the deck is allowed [p60]
Erdnase: when the company will stand for DALLIANCE at all [p62]
Sanders: to tread the primrose paths of DALLIANCE and joyance. [CRbio]

Dalliance is an uncommon word used by both writers. It also has some interesting biographical connotations with Sanders. Dalliance is defined as: "Frivolous spending of time; dawdling: passed the summer in idle dalliance."

We know that Sanders enjoyed spending time in his home in Helena "reading," "writing," and "loafing." He poetically titled the first section in his summer mining school memoir as "Sinking and Drifting with Machines." And in one of his college reunion poems he writes "I'd rather lie upon my back and gaze up to the sky." These all evoke the feeling of passing the summer on the "primrose paths" of idle dalliance.

distinctive/unusual UN-words.

Erdnase: with the sublimest UNCONCERN [p10]
Sanders: with UNWHISPERED request that tears and other paraphernalia be reserved for future occasion.

See also without inconvenience

coups

Erdnase: Two or three COUPS in the course of an evening will not flush the quarry [p19]
Sanders: In fact, we're in a precious mess through all their COUPS des main [CRpoem]

longitudinal [technical/engineering-oriented term]

Erdnase: The LONGITUDINAL Shift [p130]
Sanders: and their designations marked within the main LONGITUDINAL workings
Sanders: distance pieces, where necessary, retain the sets in their proper relative positions, LONGITUDINALLY;

crosswise [technical/engineering-oriented term]

Erdnase: but as the deck is held CROSSWISE it is much more rapid. [p135]
Erdnase: CROSSWISE, in the customary manner for the hand shuffle. [p159]
Sanders: those CROSSWISE lines which locate and outline the shapes of the joints

crowding [adjectival/verbal form]

Erdnase: who have been least CROWDING and therefore more deserving [p173]
Sanders: and have followed with admiration and pride their CROWDING labors through nearly half a century
Sanders: if indeed it does not CROWD, the excavation of the working.

interwoven

Erdnase: so that the left hand holds several cards that are not INTERWOVEN at the bottom [p162]
Sanders: so closely INTERWOVEN as to make their undergraduate lives warp and woof of the same fabric

countenance ... [relatively uncommon word — different senses for verb/noun]

Erdnase: Where the civil authorities COUNTENANCE these institutions [p11]
Sanders: ever at the front to give the light of his COUNTENANCE [CRbio]
Sanders: our friend Page was removing from his COUNTENANCE a week's ragged growth of whiskers [CRbio]

proprietors
Erdnase: we do not refer TO THE PROPRIETORS or managers of gaming houses. [p11]
Sanders: both TO THE PROPRIETORS and to the staffs thereof [montLib]

---- propriety ----

[added 5/2018]
Erdnase: they may be with more PROPRIETY, taken up into both hands and squared. [p114]
Sanders: as regards the undoubted PROPRIETY and fitness of the word Montana as a name employed [MONT]

---- terrific [used in ironic context] ----

[added 9/2018]
Erdnase: If TERRIFIC denunciation of erstwhile associates, and a diatribe on the awful consequences of gambling are a criterion of ability [p13]
Sanders: Now, think with what TERRIFIC aches the brain would have to do that for its line invention takes to work out ideas new. [CRpoem]

---- neighbor [using out-of-domain term figuratively]----

[added 5/2018]
Erdnase: this probability when his right-hand NEIGHBOR is not an ally. [p24]
Sanders: is to pound on the NEIGHBORING rock where it wears to no advantage. [SMR]

---- idiomatic carry ----

Erdnase: and some one says, "CARRY THE CUT," he will, of course, do so [p110]
Sanders: and at this time Mr Ashley was able to CARRY THE NAME through [L1896]

---- misty [poetic/florid term]----

Erdnase: require nothing more than a bare suspicion of skill to immediately seek a less MISTY atmosphere. [p24]
Sanders: As o'er fair stretches MISTY curtains drift [CRpoem]
Sanders: Save MISTY years, save through some vagrant rift [CRpoem]

---- lofty [poetic/florid term] ----

Erdnase: I shall call upon all four Jacks to execute their ground and LOFTY tumbling at the same time [p192]
Sanders: the victim and principal actor in the comedy has found fame and worthily won his way to proud and LOFTY eminence [CRbio]
Sanders: In imagination let us ascend to some LOFTY height from which we may view... [MONT]

---- prince [used figuratively] ----

[added 5/2018]
Erdnase: A "crooked" box and a clever dealer can give the house a percentage that would impoverish a PRINCE. [p18]
Sanders: the fascinating existence of the honest miner and the PRINCELY smelterman [CRbio]
Sanders: We were fed fit for PRINCES (?) stuffed with veal without the veal [Diaries... Marty Demarest]

---- once upon a time ----

[added 9/2018]
Erdnase: but we regret the truth of the confession that ONCE UPON A TIME we were, and we marveled greatly and also sorrowed, over a continuous and very protracted run of hard luck [p116]
Sanders: ONCE UPON A TIME, as all good fairy tales begin, callow, bashful and hopeful youths met together

---- word cluster: marked/figures/color ----

[added 9/2018]
Erdnase: Each card is MARKED at both ends, so as to be read in any position. The peculiarity of the FIGURES or design across the end is first closely considered, and twelve fairly distinct points, or dots or dashes, are noted and located. Then the four Aces are laid out, and with a fine pen the first point located is shortened barely enough to
notice. The point is white and the background RED OR BLUE, the COLOR of the ink used. [p16]
Sanders: however MARKED and COLORED may be the FIGURES shaped in the weaving. [CRbio]

---- enlightenment ----

Erdnase: inspire the crafty by ENLIGHTENMENT on artifice. [p3]
Erdnase: benefit of the UNENLIGHTENED or curious reader we shall describe [p16]
Sanders: the various objects which might serve TO ENLIGHTEN us upon the Archaeology and ... [montLib]
Sanders: home of an advanced and ENLIGHTENED civilization [montLib]

Erdnase: After THE AWAKENING our education progressed through close application and... [p14]

---- culminate ----

[added 5/2018]
Erdnase: The passion CULMINATES in the professional. [p9]
Sanders: they were to CULMINATE in the building up of a Commonwealth [MONT]

---- nowise ----

[added 5/2018]
The uncommon word "nowise" is used in the context of some explanation/description.

Erdnase: REVELATIONS are calmly dismissed with the ASSERTION that this or that artifice is employed; in NOWISE attempting to EXPLAIN the process or give the detail of the action mentioned. [p14]
Sanders: are too insignificant for MENTION in this connection, while in other points the DESCRIPTION of the surrounding region in NO WISE tallies therewith. [MONT]

---- detriment ----

[added 5/2018]
Erdnase: and the slightest friction is a DETRIMENT to perfect manipulation. [p25]
Sanders: the piston pounds on the cylinder head to the DETRIMENT of the machine. [SMR]

---- indifferent(ly) ----

[added 9/2018]
Erdnase: but two INDIFFERENT cards are added. [p65]
Sanders: An embankment, per se, is constructed of INDIFFERENTLY sized materials heaped together to form a bank or mound

---- assume [as "adopt"] ----

[added 9/2018]
Erdnase: The positions the hands ASSUME are taken quite naturally in squaring up the cards [p85]
Sanders: an adjective may ASSUME the attributes of a noun
Sanders: upon ASSUMING the duties of this office on November 6th, 1895, the Librarian was confronted by...
[montLIB]

---- coincident ----

[added 9/2018]
Erdnase: When the blind shuffles with the COINCIDENT jog and break [p126]
Erdnase: a movement appearing as COINCIDENT card table routine [p96]
Sanders: within the bin, approximately COINCIDENT with or at a slightly steeper inclination

---- decided(ly) ----

[added 9/2018]
Erdnase: The first method is DECIDEDLY the better, as it gives
Sanders: and here there would be a DECIDED WASTE of force shown by the crushing of the rock [SMR]
fitting(ly) [i.e. as appropriate/commensurate]

[added 5/2018]
Erdnase: palm, which is MOST FITTING for a discard, and especially the [p107]
Erdnase: and we may FITTINGLY select the four Queens as representing [p172]
Sanders: gives FITTING evidence of the hard work that he has accomplished.... [CRbio]
Sanders: make such donations to its collections as they SEE FIT [montLib]

menace

[added 5/2018]
Erdnase: They are cumbersome, unnecessary, and a constant MENACE to his reputation. [p15]
Sanders: their traditions of heroism amidst the encircling MENACE of angry hordes [CRbio]

novel construction

[added 11/2018]
Erdnase: one of the most most NOVEL and perfect machines ever CONSTRUCTED makes [p15]
Sanders: it consists of the NOVEL features of CONSTRUCTION... [Patent]

principal

Erdnase: a perfect understanding of the exact manner in which it is performed will avoid the PRINCIPAL
difficulties.
Sanders: the victim and PRINCIPAL actor in the comedy has found fame and worthily won his way [CRbio]
Sanders: the PRINCIPAL screens were in each of the four ends of the arms [SMR]

uppermost

Erdnase: the Ten being UPPERMOST
Erdnase: spectator to hold it in the hand that happens to be UPPERMOST.
Sanders: the one that will be the top or UPPERMOST side of the timber..

9) Wordplay

8a) Scare quotes ****

Scare quotes are quotation marks a writer places around a word or phrase to signal that they are using it in a non-standard,
ironic, or otherwise special sense [Wikipedia]. Both writers use them extensively.

Erdnase

- to "make good"
- A colored attendant of a "club-room,"
- "pretty money"
- "squeals"
- so-called "victims"
- "rake-off" "look-out" "ex-professionals"
- makes "the sneak" by
- in "club-room articles"
- can be "doctored"
- of the two "blockouts"
- certain form of "brace" box
- a "crooked" box
- the "cold deck"
- "blind" shuffle
• resort to "crossfiring"
• the art of "advantage playing"
• use the "riffle"
• or make a "shift" afterwards
• for "stocking" and "culling"
• these gentlemen have to "be shown"
• however with "readers" "stripers"
• the whole "skinned"
• the use of "patter"
• the player "to skin"
• "go south"
• "with the goods on him"
• a "short" deck
• protracted run of "hard luck"
• deal or "throw" is
• locate the ace "just for fun" every time
• missed the "cinch"
• turned by a "capper"
• make the "corner" throw
• "gift of the gab"
• a "transformation"
• "big on the bills"
• method of "forcing"
• the "palm"
• "but that is another story"
• another "homemade"
• may be sprung or "ruffled"
• "shop worn" articles

Sanders:

• "made good"
• "shell game"
• our "dear delightful days"
• "four-in-hand" ties
• the "cane rushes"
• "killing off" the "freshies"
• real "dead ones" [CR mixed section]
• the purpose of "winning" or obtaining [MTE]
• and how our manly "buzzums" swell with pride [CRbio]
• "smile that won't come off" [CRbio body]
• nor yet a "long-hair" [CRbio body]
• a case of "big jaw"
• the "hatch" [CRbio body]
• "story of a life"
• no wise "skeered" "de gents" [CRbio]
• so proudly "sported" [CRbio body]
• "upon the carpet" [ML1913]
• one that will "stick" [ML1913]
• "a brave man struggling in the storms of fate" [CRbio]
• "untrodden ways" [montlib]
• "blazed the trails" [montlib]
• the historian would be inclined to "lave his work the bye," to side-stem the task and retnousse "down the center and do-si-do" in fear at.. [CRbio]

8b) Parenthetical punctuation ****(H)

Both Sanders and Erdnase use parentheses around individual letters/characters, to interject doubt:

Erdnase: careless (?) dealer
Erdnase: when his error (?)
Erdnase: cant of reformed (?) gamblers
Sanders: innate and in(co)herent modesty
Sanders: We were fed fit for princes (?) stuffed with veal without the veal [Diaries... Marty Demarest]
Sanders: I am becoming quite a professional (?) cuisiner [Diaries... Marty Demarest]
8c) Speech patterns/accents ****(H)

Both Sanders and Erdnase mimic dialectical speech, accents, and various colloquialisms.

**Erdnase:**
A colored attendant of a club-room, overhearing a discussion about running up two hands at poker, ventured the following interpolation: Don't trouble 'bout no two han's, Boss. Get yo' own han'. De suckah, he'll get a han' all right, suah!

**Sanders**
- and dormitzer as coxswain, with his lurid "langwidge" free
- how in the name of "Heavings" did columbia...pasht th' nowlidge av the saints.
- (stockholders lafin' fit ter kill when you got down ter biz);
- We see you slayin' Mexic's sons with seven-foot machetes,...[more, in Dwight bio]
- an event occurred that was so "amoosin'" that it has stuck in the minds...
- he is not married but 'as 'opes
- and faseehushy smileth his smisle...for to sin till late once in a whistle
- if half they say is true, B'GOSH, THE GAME IS UP, B'JINKS!
- the while the BLOOMIN' octopi..
- all this BLOOMIN' coil
- of one, the fiercest of them all, YELEPT YE standard oil
- the Divvil's own crew
- lith'rachure -- in but one minnit ... that contains a sthick to lick wid;

"Expect a poem," now ye do! Consarn yer blawsted nerve
(The only fun about it is that you too have to serve).
Here, I must give the wheels a turn, unwind the bloomin' coil,
Knock off a yard or two of rhyme and burn the midnight oil;
And mewed up here, like mewing Tom, while midnight hours enthuse,
Amuse the using miners with the music of my muse,
With dithyrambic runctions and blanked pentameter verse,
Rambunctious hexameter frills, each than the other worse,
Im memory of other days, in rhyme that's bold and free
I'll offer here the best I have to mon cherez freres d'amie;
I'll give a poem, sure I will, to curl your fringe of hair
And make you wish you ne'er had sent that tellygraft, I swear!

It sufficeth to say that only the innate and in(co)herent modesty of the objective subject of this "story of a life" prevents the Class Historian (offically when writing of Billy Sanders) from dealing in higher superlatives than these hereinafter detailed, specified and contained, to wit: lie air young an' beautifullest an' fair; he hez carroty face an' a freckled hair; he seems pure an' nobil ez he kin bebut, nixkumarouse, Bill, yer kaint fule me ! He hez wondrous grace in hiz nether pegs, when he pir-hoo-ets on hiz rear hind legs: an' he thinks he's sum with hiz hullabaloo; but he kaint fule me know him throo an' throo! He hez tears in hiz eyes when he talks uv him; what he sez uv him, sure it ain't so slim; but 1 sez ter him, with hiz reinekaboo, naow yer kaint fule meso yer jess gaow tew ! An' ter h'ar him talk uv ther pace he's set; an' uv what he's done, fer he's braggin' yet; what a bad man he, an' so Woolly! Gee! but I know yer, Bill, an' yer kaint fule me!

---- Sanders was very sensitive to speech patterns and word sounds and even discusses them explicitly. ----

**Sanders:** his style of RAPID-FIRE DICTION in the lecture room was effective; for once he had started upon a sentence, no convulsion of nature, fall of constellations or wreck of worlds could daunt or stop him until his say was said; and sometimes in phrase so warped and convoluted that no formula of mathematics outside of the fourth dimension could establish its sinuosities. [CRbio]

**Sanders:** It is a sightly and simple name, to the PRONUNCIATION of which the comparatively numerous VOWELS that go to make up the word bring forth a liquid richness, a MUSICAL RHYTHM and a RESONANT FLOW OF SOUND that is delightful. [MONT]

8d) Alliteration ****

This section lists instances where Sanders and Erdnase use alliteration.

**Erdnase:** CONGENIAL COTERIE
**Erdnase:** FRIEND or FOE
**Erdnase:** PASSION for PLAY
**Erdnase:** PRETENSIONS of PIETY
**Erdnase:** PURIFIED PRODIGALS
8e) French and other foreign terms  

Both Sanders and Erdnase include foreign (especially French) terms in their writing.

**Erdnase:** beté [sic] noir, denouement, Beau monde, entrée, congé

**Sanders:** mon chérez frères d'amie [CRpoem]; coups des main [CRpoem]; chapeaux [CRpoem]; retrousse [CRbio]; avec corp de sanitation [CRpoem]; salud! [CRbio], terra incognita [montLib], aber nit [CRpoem]

8f) Puns  

**Erdnase:** The Longitudinal Shift -- This SHIFT, for which we have to thank no one, is given a VERY LONG NAME, but the reader who is interested sufficiently to practice the process, will find it a VERY SHORT SHIFT [p130]

**Sanders:** SHIFTED some more cars up to the platform. ... Glad to hear the noon whistle and still more so to hear the evening's signal for the end of the SHIFT.

(The above pointed out by Marty Demarest.)

**Erdnase:** In the average game where the players keep their hands, and arms also, on the table there is little opportunity to shift the cut [p111]

**Erdnase:** [added 5/2018] certain knowledge that his more respected brother of the stock exchange possesses, viz. manipulation is more profitable than speculation; [pun on "manipulation": literal (cards) vs figurative (stocks)] [p10]

**Erdnase:** In the average game where the players keep their hands, and arms also, on the table there is little opportunity to shift the cut [p111]

**Erdnase:** Without ability to control his feelings the "advantage player" is without advantage. [p22]

**Sanders:** Am sore all over, blisters on hands, boots which I am trying to break in are breaking me up ...  

**Sanders:** along with heart-failure we had a sudden change of heart [CRbio]

**Sanders:** You may distillate or early [distillate ~ late (or early) -- Clark worked on distillation of turpentine] [CRPoem]

**Sanders:** Still your record you hold, mighty man at the ORE! -- (for G.B. Lee, on rowing team. Pun or oar/ore ) [CRPoem]
Sanders: He's selim and selender, but, BLAME ME! -- (homophone with AMY, the subject of the poem) [CRpoem]
Sanders: And he'll go very far, allee SAMEE. -- (homophone with AMY, the subject of the poem) [CRpoem]
Sanders: For, Noble, you done noble and you are (on Louis S. Noble) [CRPoem]
Sanders: And while Doolittle you may be, Doolittle, you do much. [CRPoem]
Sanders: We wish thee joy, thou Angel heart, and here's a cup to you! [angel heart ~ E.N. Engelhardt in [CRPoem]
Sanders: Now don't you, Me Boy -- ("Me Boy" ~ "Bemis" on Fred Bemis) [CRPoem]
Sanders: Though your face it was beaming (beaming ~ Bemis on Bemis) [CRPoem]
Sanders: [added 5/2018] And we drink his health in LIQUID That contains a stick to LICK WID; [CRpoem]
Sanders: [added 5/2018]: Aren't you tired of constructing such finely drawn wire? It's a subject that seems long drawn out, Sir! [CRpoem]

Note that the wordplay with Bemis (with the leading consonants (B,M) permuted into "Me Boy") is signaled by the capitalization. And the phonetic importance of Bemis is also reinforced earlier in the poem by the near homophones of "Bemis" and "beaming". This bit of wordplay is particularly interesting in that it mirrors the ("Ruse And" ↔ "Andrews") shuffling observed in the book's title.

(Some of the puns above from Bill Mullins and Marty Demarest)

### 10) Tables of common thematic words

<table>
<thead>
<tr>
<th>Prev</th>
<th>Next</th>
<th>Index</th>
<th>📘 Highlights</th>
</tr>
</thead>
</table>

The following tables include relatively ordinary terms that Erdnase uses over and over. These words are not unusual, in and of themselves, but they represent the themes of [rigor/precision], [excellence], and concern with [methods]. Some of these themes (and associated terms) are what you would expect in technical procedures and descriptions. Nonetheless, these words and their themes are worth emphasizing, as they show up repeatedly in a great many of the more linguistically interesting examples presented earlier. The word counts are not intended, at this stage, to prove anything. They are provided primarily as raw data to get a handle on what specific words the two writers commonly use (in contrast to the more distinctive phrases and idioms highlighted in the document above).

The words below were obtained by examining an automatically sorted list of words and their counts from Erdnase. The salient words, matching the criteria, were selected and counts performed from Mine Timbering and EATCT. Wildcards (denoted with an asterisk) were used to capture variations of word forms. For example "precis*" will match "precision", "precise", "precisely". Also note, the distinction between thematic words (included below) and topic words (excluded). This is roughly analogous to the linguistics notion of function words versus content words. Topic words would include words particular to or closely associated with the domain at hand (e.g. "minerals", "shuffle"). Thematic words closely associated with the domain topic were also omitted. For example, "execute" fit the [methods] theme but is tightly tied to an action-oriented domain (e.g. slight of hand moves).

Most often, only word counts are provided below. But for some of the more salient words, sample sentences are also given to give a flavor how they are used. Mine Timbering contains roughly 16K words compared to 56K words in EATCT (roughly 28% as many words). One future step would be to present these counts normalized relative to the length of the text (along with other stats like number of individual words in the text, etc). Also to count these same thematic words in other Sanders' writings and in other writers of magic/gambling and mining literature of the time.

In a couple cases below, counts from other Sanders mining articles are included. In the process of collecting these counts, it becomes apparent how much genre and domain (e.g. between Sanders' Montana article and his mining articles) and random variation affect word counts and other characteristics of the language found. Similarly, EATCT has three quite different sections with different linguistic properties: the long introduction, the main sleights sections, and the card trick section. As an example of how sensitive word counts are to domain, consider the word "sufficient" and its variants ("sufficiently", ...). Erdnase uses it 21 times; Sanders uses it 13 times in Mine Timbering but not at all in his college class reunion writing.

Note: That these words are very frequently used by both writers is illustrated by the fact that many sentences include several of these terms. For example, this phrase by Erdnase contains seven!!

"...to OBTAIN a PERFECT UNDERSTANDING of the METHODS EMPLOYED, and the EXACT MANNER in which they are executed."
Rigor

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase</th>
<th>Sanders</th>
</tr>
</thead>
<tbody>
<tr>
<td>exact*</td>
<td>Erdnase: a perfect understanding of the EXACT manner in which it is performed [p52]</td>
<td>Sanders: must coincide when the true edge is EXACTLY vertical</td>
</tr>
<tr>
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<tr>
<td>invariably</td>
<td>Erdnase: The beginner INVARIALEY imagines his hands are too small... [p24]</td>
<td>Sanders: the bark should INVARIALEY be removed from the round timbers...</td>
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<tr>
<td>var* (vary, invariably, various, ...)</td>
<td>Erdnase: we have, in describing the VARIOUS processes and conditions... [p25]</td>
<td>Sanders: The framing of the VARIOUS sized shafts is very similar</td>
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<tr>
<td><em>necessar</em></td>
<td>Erdnase: this hand would be the one NECESSARILY employed [p192]</td>
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<tr>
<td><em>possib</em></td>
<td>Erdnase: it is absolutely IMPOSSIBLE for the keenest eye to detect the ruse.</td>
<td>Sanders: is IMPOSSIBLE to reinforce satisfactorily sets framed from such</td>
</tr>
<tr>
<td></td>
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<tr>
<td>require*</td>
<td>Erdnase: and mentally urge THE REQUIRED action [p196]</td>
<td>Sanders: each scantling is bored at THE REQUIRED intervals</td>
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<tr>
<td></td>
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<tr>
<td>rule</td>
<td>Erdnase: The inviolable RULE of the professional [p22]</td>
<td>Sanders: as a RULE yield the most durable wood [MTE]</td>
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<tr>
<td>thus</td>
<td>Erdnase: THUS enabling the right hand to seize them easier [p150]</td>
<td>Sanders: and THUS hastens the decay of the wood</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase</th>
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</table>
Degree/amount/precision

This table groups terms that denote a degree or position on a linear scale, including relative positions.

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<thead>
<tr>
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<th>Erdnase</th>
<th>Sanders</th>
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</table>

**Erdnase**: This method requires CONSIDERABLE practice, [p67]

**Sanders**: in adits the set is often aligned with CONSIDERABLE exactness

**Erdnase**: An expert can run the whole deck with THE UTMOST rapidity [p58]

**Sanders**: huge timbers that have been frames with THE UTMOST precision

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase</th>
<th>Sanders</th>
</tr>
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<td>*usually</td>
<td>13</td>
<td>21</td>
</tr>
<tr>
<td>utmost</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

Methods, Systems, processes

**Erdnase**: it is usually EMPLOYED TO receive and bring a selected card to the top [p130]

**Sanders**: when posts are EMPLOYED to form the complete square shaft set.

**Erdnase**: the exact MANNER in which it is performed [p52]

**Sanders**: brought to their places in the same MANNER as has been described

**Erdnase**: This METHOD requires considerable practice, [p67]

**Sanders**: while the METHOD OF timbering is extremely simple it is unsatisfactory...

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase</th>
<th>Sanders</th>
</tr>
</thead>
<tbody>
<tr>
<td>combination*</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>employ*</td>
<td>44</td>
<td>31</td>
</tr>
<tr>
<td>enable</td>
<td>26</td>
<td>2</td>
</tr>
<tr>
<td>instead</td>
<td>19</td>
<td>1</td>
</tr>
<tr>
<td>limited/limits/limitations</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>(Erdnase: limited. Sanders: others)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>manner</td>
<td>78</td>
<td>10</td>
</tr>
</tbody>
</table>
### Excellence

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase: The correct positions and movements can be ACCURATELY secured. [p24]</th>
<th>Sanders: they will join ACCURATELY with those of the other connecting parts of the set</th>
</tr>
</thead>
<tbody>
<tr>
<td>accurate*</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>advanced</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><em>correct</em></td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>excellent</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>perfect*</td>
<td>70</td>
<td>5</td>
</tr>
<tr>
<td>proper*</td>
<td>22</td>
<td>18</td>
</tr>
<tr>
<td>satisf*</td>
<td>14</td>
<td>6</td>
</tr>
<tr>
<td>sufficient*</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>superior</td>
<td>7</td>
<td>2</td>
</tr>
</tbody>
</table>

### Misc

<table>
<thead>
<tr>
<th>Word</th>
<th>Erdnase</th>
<th>Sanders</th>
</tr>
</thead>
<tbody>
<tr>
<td>acquire*</td>
<td>36</td>
<td>0</td>
</tr>
<tr>
<td>alike</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>become</td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td>care</td>
<td>27</td>
<td>4</td>
</tr>
<tr>
<td>common (diff senses)</td>
<td>13</td>
<td>3</td>
</tr>
<tr>
<td>conditions</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>constant</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>could</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>descri*</td>
<td>51</td>
<td>6</td>
</tr>
<tr>
<td>determine*</td>
<td>18</td>
<td>1</td>
</tr>
<tr>
<td>except</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>exped*</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>former</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>important</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>indeed</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>indicate</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>itself</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>latter</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>matter* [n/v]</td>
<td>14</td>
<td>2</td>
</tr>
<tr>
<td>occur*</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
The case for W.E. Sanders as S.W. Erdnase is strong. While there's no proof that the two men are one, many pieces of circumstantial evidence point in that direction. The starting point is the pseudonym "Erdnase."

- The double anagram was the perfect misdirection. The obvious backwards spelling of E.S. Andrews led everyone astray. No one noticed, until David Alexander and Richard Kyle discovered it, that the pseudonym encoded a different name.
- The book's subtitle suggests that the name Andrews ("artifice RUSE AND subterfuge..." ↔ "And Ruse" ↔ "Andrews") is a ruse. And interestingly, we find that Sanders performed the same sort of wordplay and phonetic transpositions in his own poems.
- The pseudonym, itself, takes on meaning with the author as a mining engineer (erdnase = earth nose = mining engineer). And this is reinforced by one of the most prominent tricks in the book— one centered around prospecting for gold.
- The possibility that Sanders used an anagram is backed up by hard evidence. Sanders demonstrated a lifelong interest in anagrams, letter combinations, and other forms of wordplay. These spanned from his early diaries, where he played with arrangements of the letters in his own name, to his writings later in life.

The pseudonym and supporting evidence gets us half the way there. It establishes Sanders as a compellingly interesting "person of interest." Marty Demarest's subsequent research, linking Sanders to both gambling and magic, fills in the crucial blanks. And the compatibility with Smith's recollections reassure us that we're not being led astray.

The case is further strengthened and enriched by the personality and modes of thought that show through in the language. Sanders' writing voice and Erdnase's are strikingly similar. This document demonstrates, in detail, the many ways they correspond— from lexical-syntactic constructions, to word choice, to ironic flourishes, to rhetorical devices, to shared metaphors, to biographically-related topics, to stylistic quirks (e.g. vernacular speech and parenthetical punctuation), to coinciding thematic concerns, to the use of puns and scare quotes on the exact same words. Phew!!

More can be done to further map out the linguistic similarities. A partial list:

- Additional Sanders' writings can be examined (e.g. his diaries and notebooks). And possibly others can be found.
- Statistical analysis can be performed on Erdnase/Sanders common thematic words versus other authors of the day, in similar and different genres.
- Computational techniques can be applied to "mine" both writers' texts for additional syntactic and semantic patterns.
- And as always, new linguistic parallels can be identified, and deeper analysis performed to illuminate those already identified.
Addendum: Sanders' 1906 mining letter annotated (and Erdnase passage annotated)

In the following, we annotate two extended passages (one from Sanders, and one from Erdnase) with corresponding excerpts from the other writer's texts. The first passage is a mining letter written by Sanders. The second is an Erdnase paragraph from the introductory Card Table Artifice section in EATCT.

Sanders wrote the following letter to a mining journal in 1906. In every sentence within it, he touches on many of the same themes, linguistic elements, metaphors, and sources of humor as Erdnase. In the annotation below, we show the mappings of various elements in the letter to similar elements in EATCT. At the core is the metaphor of laughably naïve or deceptive written works related to PROFESSIONALS in the domain (mining, card table artifice) which are EXHUMED and encased in some outer container (MOSS-COVERED, ENCLOSING SHELL). In both, the idea is expressed in a highly ironic and satiric tone.

Sanders mining letter

Sir— Some time ago, a report that was stated to have been the result of an examination made upon a mining property located on the vein formation of the famous Mother Lode of the western foothill region of the Sierra Nevada of California, came into my hands and has been carefully preserved (1) by me as a classic (6). That it is unique among many documents pertaining to mines and mining situations (2), a perusal of the following excerpts from the text will convince (3) any fair minded unbiased (4) mining engineer. Certainly in part it is too good to keep (5), and in a spirit of benevolence and as an offering upon the shrine of professional goodwill toward professional brethren, the following extracts have been exhumed from their obscure place of burial (6) among files containing many another (7) mining report that is less picturesque, less unique (2). The following contains the rich kernel removed from the enclosing shell (6).

[three paragraphs of mining report quotes removed …]

How plain and simple all is to write a mining report. Not necessarily one that will ‘stick,’ (8) but a picturesque and unique document that is readable and fairly well filled with data culled (8) in a measure from geologic reports and folios of the region or from other vicarious sources and containing more or less uncertain assumptions (6) and statements as to ore values and to positive, probable, and possible ore reserves that from their very artlessness and ingenuousness should convince, but which somehow fail to carry a satisfactory weight (10) when their authors are brought upon the carpet. (9) And how many reports presuming (6, 10) to describe mining properties are written that should never have been penned – because of the wicked waste of ink resulting therefrom (6).

Wilbur E. Sanders
Sonora, California, July 6

Erdnase

1 The secrets of professional card playing have been well preserved.

2 this work stands unique in the list of card books.

3 A careful perusal of the following definitions will save much time and perplexity in comprehending the processes described.

4 some gentleman in the audience who is desirous of giving my ability a fair and impartial test

5 A self-satisfied unlicked cub with a fairly fat bank roll was too good a thing to be passed up.

6 Self-styled ‘ex-professionals’ have regaled the public with astounding disclosures of their former wiles and wickedness, and have proven a wonderful knowledge of the subject by exhuming some antiquated moss-covered ruses.

   • classic; antiquated, ✋ moss-covered
   • kernel from enclosing shell ✋ moss-covered ruses
   • presuming; uncertain ✋ ruses
   • wicked waste ✋ wiles and wickedness (alliteration)

7 the reputation is liable to precede him in many another.

8 Scare quotes: to “make good”, “pretty money”, “squeals”, so-called “victims”, “ex-professionals”, can be “doctored”, of the two “blockouts”

9 These examples of culling, if fairly well executed,

   ✧ is inartistic, and risky, and unworthy of any but a neophyte or a bungler
   ✧ This clumsy juggling might prove satisfactory if performed by an awkward novice before a parcel of school children, but it appears simply ridiculous in the hands of a card conjurer, who, it is presumed, knows how to shuffle a deck in the customary manner

The following Erdnase passage [p14] touches on several themes that are echoed in Sanders’ writings, sometimes in almost identical words. The main theme is his "insufferable conceit" and education acquiring WISDOM (in LARGE QUANTITIES) in the "cold school of experience". In addition there are several subsidiary themes as well as linguistic constructs that are used by both writers.
Addendum: Sanders' and Erdnase's vocabulary

As seen, Sanders had facility with language in various forms, using foreign terms, colloquial and dialectical speech, and his own humorous neologisms (cyclopaediculous) in a natural, unforced manner. He also had a very well-developed vocabulary, an outcome of his education and experience as a writer. Erdnase, likewise, had a talent for picking just the right word, and clearly was a well-educated person and experienced writer. While it is somewhat subjective as to what constitutes an "advanced" or "well-developed" vocabulary, these are words in their writing that can be considered to match that criterion:

Sanders

1) So, Huntington, you quit the game
   Our Mining Engineers have played, 
   through arctic cold and tropic flame 
   Oft, worn and torn, we've plied the trade.

2) In these extracts, Sanders A) mocks his own conceit, B) idealizes its opposite, and C) contrasts vain boasting with true (reckless) courage.
   A. [Sanders mocking his own conceit]
   to hear him talk of the pace he's set; an' of what he's done, for he's 
   braggin' yet; ... but I know you, Bill, an' you can't fool me!
   B. [Idealized heartrending⇒heart-satisfying, jolts⇒rewards, buck 
   tigers⇒brave]
   heart-satisfying rewards that can come to 'a brave man struggling 
   in the storms of fate.'
   C. [Contrastive] not given to vain boastings ...that high and reckless 
   courage

3) * and the joke, too good to be permitted to die early 
   * Certainly in part it is too good to keep, and in a spirit of benevolence ...

4) We did a lot of hustlin' then and gained a heap of knowledge and picked 
   vast wisdom up in chunks in many various lines.

5) Of the exams that were sent by Providence to keep us in constant terror 

6) present collection, which is offered not as a complete treatise on the 
   subject, but rather as a series of essays which go fully into many important 
   details

7) for good or ill, for better or for worse, for affairs great and affairs small

8) He asserts he is still able to eat three large meals per day -- 'when I have 
   the cash'!

Erdnase

We betray no confidences in publishing this book, having only ourselves to thank for what we know. Our tuition was received in the cold school of experience (1). We started in with the trusting nature of a fledgling, and a calm assurance born of overweening faith in our own potency.

We bucked the tiger voluntarily, and censure no one for the inevitable result. A self-satisfied unlicked cub with a fairly fat bank roll (2) was too good a thing to be passed up (3). We naturally began to imbibe wisdom in copious draughts (4) at the customary sucker rates, but the jars to our pocketbook caused far less anguish than the heartrending jolts (28) to our insufferable conceit (2). After the awakening our education progressed through close application and constant study (5) of the game (1), and the sum of our present knowledge is proffered in this volume (6), for any purpose it may answer, to friend and foe, to the wise and the foolish, to the good and the bad, to all alike (7), with but one reservation, that he has the price (8).
sauntering, scintillate, segregation, semblances, sequestered, serenade, sinuosities, skeins, soliloquize, stenographically, SUBLIME, subsequent, subsidiary, succulent, suffice, superseding, sylvan, tandem, tawny, temerity, tempestuous, tenacity, topographical, torrid, transpire, transverse, truncated, ulsters, unceremoniously, unobtrusive, unscrupulous, vagabonding, vagrant, veneration, verbatim, vicarious, vicissitudes, vocative, waving, warrant

**Erdnase**: abhorrent, accede, acme, actuated, adage, adjuring, alacrity, allaying, APPARATUS, ascertain, auditors, bosh, BREVITY, cant, censure, chicanery, commensurate, concave, confine, commensurate, congenial, conning, consequences, CONTRIVANCE, convex, copious, coterie, COUNCILLORS, covertly, coups, criterion, CULMINATES, cultivate, cupidity, cursory, cuticle, daintily, DALLIANCE, DENOTE, DETRIMENT, demeanor, denominations, denouement, denunciation, deportment, diatribe, diffident, diminished, disconcerting, disdains, effectually, elucidated, endeavor, enumeration, erroneously, erstwhile, essaying, exhaustive, exasperate, expedient, expeditiously, finesse, garnished, guile, hommage, hypocritical, imbibe, importuned, imposition, impoverish, improvident, imputation, incessant, incidental, INDUCE, injunction, insufferable, interpolation, inviolable, LATERAL, LONGITUDINAL, mealymouthed, misnomer, modus operandi, monologue, nonchalantly, nonplus, oblige, obviates, opportune, ostensible, ostentatiously, overweening, palaver, patrician, perilous, perplexity, piety, plebeians, presumptuous, pretense, prevalent, prodigals, proffer, proposition, protrayed, proximity, qualms, quarry, repertory, requisite, rigamarole, sophistry, stoic, SUBLIMEST, subterfuge, supposition, tacit, talismanic, vagaries, vehemently, unfathomable, unostentatious, unstinted, untutored, veracity

We note that Sanders' list of words is quite a bit longer. This is largely a result of the different domains and genres he wrote in. If we looked only at Sander's mining texts, his list would be significantly reduced. Note also that mining-centric and overly technical words (e.g. "stopes", "equilibrium", "metalliferous", "kaolinization") were omitted. Overall, one gets the sense that their working vocabularies are roughly equivalent and point to an experienced writer with a college education.

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**Addendum: Literary allusions**

Sanders was quite well read and sprinkled literary allusions throughout his writings. What follows is a collection of those references (and their sources) compiled by Bill Mullins and originally posted in the Genii Erdnase thread.


- "Then came the hunter tribes..." p. 15. quoted from William Cullen Bryant, "A Walk at Sunset" (1821)
- "trend of pioneers" p. 16. Probably a misquote of "tred of pioneers" from John Greenleaf Whittier, "On Receiving an Eagle's Quill from Lake Superior" (1849)
- "to gain the wealth of Ormus and the newer Ind." p. 17. From John Milton, Paradise Lost.
- "The days of old, the days of gold, the days of Forty-nine" p. 18. Title of a folk song, from no later than 1860.
- "Sunt loca montana..." p. 23. Pliny the Elder, The Natural History
- "loca montana et..." p. 23. Titus Livius, The History of Rome
- "Exsurgens autem..." p. 23. Luke 1:39, from the latin vulgate Bible
- "hominis asperi et montani" p. 26. Julius Caesar, Commentarii de Bello Civili (ca. 40 BC)
- "Many other examples of the metal..." p. 30. Miguel Salvedra, "Trafalgar -- From a Spanish Point of View" in Grand Magazine, Nov. 1905
- "Beyond all titles..." p. 60. Alfred Lord Tennyson, Idylls of the King (1869)
- passing reference to the Argonauts, the Golden Fleece, Aladdin's lamp. p. 17; the Battle of Trafalgar (1805); and numerous quotations from and references to various contemporary histories of Rome.
- numerous quotes from and references to documents concerning the history of Montana, including books, letters from historians and pioneers, and the Congressional Record of 1863 regarding the establishment of the government of the Territory of Montana.
- numerous translations of and discussions of relevant Spanish, Latin and Native American words.
- extensive discussions of the first Europeans to explore the region over the previous two centuries, and their writings.

From Class of '85 School of Mines Columbia College Twenty-Fifth Anniversary Reunion (1911)

- "We were monarchs of all we surveyed" p. 8. reference to "I am monarch of all I survey", a line from "Verses Supposed to be Written by Alexander Selkirk [inspiration for Robinson Crusoe]", by William Cowper, 1782
- "How the mighty have fallen" p. 30. 2 Samuel 1:27
- "... laying up vast treasures on earth" p. .30. Matt. 6:19
- "A brotherhood of venerable trees." William Wordsworth, "Composed at Neidpath Castle" 1803
"... smile that won't come off" p. 30. Line from Quaker Oats advertising campaign of 1903.

"Build a mansion in the skies" p. 33. "To mansions in the skies" is a line from "The Struggles of Flesh and Spirit" by Branwell Brontë 1836

"... affaires spiritual and terrestrial" p. 36. Possible allusion to "The Modern Major General" by Gilbert and Sullivan (1879)? The final words in the ends of several lines of the G&S song have the same form and meter: "in orders categorical", "with matters mathematical", etc.

"Octopi" p. 49. Reference to a then-current term for monopolies, such as Standard Oil and the Southern Pacific Railway.

"wealth of Golconda" p. 63. Golconda was the 16th-17th capital of the Indian region responsible for producing many famous diamonds, and thus the name used as a symbol of wealth.

"Surveys Geological... lines chronological" p. 69. See comments re: p. 36.

"buds the promise of celestial worth" p. 74. Line in "The Last Day" by Edward Young (1713)

"a brave man struggling in the storms of fate" p. 76. Alexander Pope, "Prologue to Mr. Addison's Cato" (1713)

"Hail to thee, blithe spirit" p. 90. Percy Bysshe Shelley, "To a Skylark" (1820)

"Oh, wad some power the giftie gie us... " Robert Burns, "To a Louse" (1786)

Newly added allusions from Class of '85 School of Mines Columbia College Twenty-Fifth Anniversary Reunion (1911)

"he seems pure an' nobil ez he kin be -- but, NIXKUMAROUSE, Bill, yer kaint fule me!" reference to "Count Nixkumarouse" mentioned once in the short sketch "Back from 'Yurrup" in "Mark Twain's Sketches" (p. 278) by Mark Twain. (1872) [added 5/2018]

Addendum: Sanders' height (and class photo)

How tall was Erdnase, and how tall was Sanders? The book's illustrator, Marshall Smith, was over 6 feet tall and recalled looking down on Erdnase. He estimated Erdnase's height as between 5'5 and 5'7. For Sanders, we have the following heights:

- 5'8 in his crew team listing (1882)
- 5'9 in his class reunion bio (1910)
- 5'8 1/2 in his passport (1918)

From Sanders' class photo and the reported heights of his classmates, we can form another estimate by comparing his height to four classmates who are standing on the same step as Sanders. These classmates' heights are all given in their class reunion bios:

- Englehardt is 5'10
- Moldenke is 5'10 1/2
- Starek is 5'7 1/2
- Whitman is 6'1

These heights can't all be exactly correct, since Englehardt looks to be slightly taller than Moldenke, who he is standing next to, even though Moldenke's listed height is half an inch taller. Likewise, Whitman looks to be quite a bit taller than 6'1 (assuming the other heights are correct).

Using the reported heights, we can estimate Sanders' height by comparing his height to his classmates in the class photo by using the bricks on the building as a ruler. The standard height of a brick is 2 1/4 inches, though some can be larger. (Similar metrics could used by measuring the average distance between eyes, length of nose, etc.) If we assume the standard 2 1/4 inch brick height, then we can estimate Sanders as being about one brick (2 1/4 inches) shorter than both Englehardt and Moldenke. This makes him 5'7 3/4 or 5'8 1/4. Likewise he appears to be about one inch taller than Starek, which would make him 5'8 1/2. If we assume accurate heights for these classmates, it seems that Sanders' height was a little over 5'8. On the other hand, if his classmates were exaggerating their heights, then Sanders' height would be correspondingly less.
One explanation for the inconsistencies is that men tend to inflate their heights by about an inch on average. So self-declared heights are not necessarily accurate.

As another example of inconsistent heights, on the second step we find Woolson (6') and Hollis (5'10), where Woolson appears to be about four inches taller than Hollis. However, the differential between Hollis’s height and other classmates on the same step (Page and Detwiller) seems consistent with their reported heights. So it appears that two of the tallest people (Whitman and Woolson) might be under-representing their heights. This is substantiated in the case of Whitman, where we learn elsewhere that Wiltsee (standing on his left) was six foot five inches tall. Whitman looks to be an inch or so shorter than Wiltsee, which would be substantially taller than the 6’1 given in the class bio (assuming that Wiltsee’s 6’5 height is accurate).

Note: the measurements and estimates above are all necessarily approximate. Aside from the potential error/exaggeration in reported heights, people's perceived heights can vary slightly depending on whether they're standing straight or slouched, what shoes they’re wearing, etc. In addition, the camera angle and distance adds additional variation to direct measurements made on the photo. For example, a view from above (more pronounced for people near the camera) will tend to make people appear to be shorter (as measured on the photo). Likewise people in the back will appear somewhat smaller due to the greater distance from the camera. However, none of these effects are major when comparing people standing in the same row in what appear to be relatively normal posture.

C. H. Detwiller Columbia 1885 Collection, Avery Architectural & Fine Arts Library, Columbia University

For reference, these are the same six steps with no people.
This section contains a couple dozen examples from the other sections — those that best convey the strength and range of similarities between the two authors. These include purely linguistic parallels (lexical, syntactic, semantic, stylistic, and idiomatic), biographical references, metaphorical and thematic commonalities, and other instances exemplifying the underlying voice and personality. We start with a couple significant new findings related to Sanders’ interest with anagrams and letter combinations.

**New finding on the anagram**

Sanders’ early diaries and notebooks reinforce the anagram theory and provide perhaps the most striking piece of evidence in his favor. They contain examples of partial anagrams and rearrangements of the letters in his own name. And apparently his predilection for thinking of names in terms of their constituent letters extended well into his adulthood.

In published correspondence from 1896 (while he was at the Montana Historical Society and only a few years before he unveiled the anagram S.W. Erdnase), Sanders writes about the soon-to-be-adopted name for his home state of Montana: "It is a short, sightly, and simple name, and one of much euphonic beauty; one which the people of this state would not care to part with for any possible COMBINATION OF LETTERS."

**New finding on the subtitle's phonetic shuffling**

In addition to the anagram itself, it has been noted that embedded within the book's subtitle "Artifice RUSE AND Subterfuge" is the name "Andrews" ("AND RUSE") phonetically permuted into "RUSE AND." While not essential to the unpacking of the mystery, this is an additional clue signaling that the obvious backwards spelling of "E.S. Andrews" was perhaps a ruse or subterfuge itself. In the example below, from one of his poems, Sanders performs a similar phonetic shuffling on the name of one of his college classmates (Fred Bemis).

> Though your face it was beaming [beaming ~ Bemis]
>
> "Me Boy" ~ "Bemis"

**Note** that the wordplay with Bemis (with the leading consonants (B,M) permuted into "Me Boy") is signaled by the capitalization. And the phonetic importance of Bemis is also reinforced earlier in the poem by the near homophones of "Bemis" and "beaming". This bit of wordplay is particularly interesting in that it mirrors the ("Ruse And" ↔ "Andrews") shuffling observed in the book's title.

****(H) PROFESSIONALS --- EXHUME/BURIAL metaphor --- wiles/wicked/waste alliteration [irony] ****
Erdnase and Sanders both take delight in pointing out hypocrisy and pretense. In this example, they sarcastically mock so-called "professionals" and their ruses and deceptions. And in doing so, they use identical metaphors (EXHUMING) and alliteration (Wicked/Wiles/Waste).

**Erdnase**: Self-styled "EX-PROFESSIONALS" have regaled the public with astounding disclosures of their former WILES and WICKEDNESS, and have proven a wonderful knowledge of the subject by EXHUMING some ANTIQUATED moss-covered ruses [p13]

**Sanders**: certainly in part it is too good to keep, and in a spirit of benevolence and as an offering upon the shrine of professional goodwill toward PROFESSIONAL brethren, the following extracts have been EXHUMED from their OBSCURE place of burial [...] and how many reports presuming to describe mining properties are written that should never have been penned - because of the WICKED WASTE of ink resulting therefrom. [ML1913]

****(H) --- acquiring WISDOM in bulk when younger [knowledge] ----

Both writers characterize their past in the same way— describing how they (using the pronoun "we") quickly absorbed knowledge in bulk quantities.

**Erdnase**: We naturally began to imbibe WISDOM in COPIOUS DRAUGHTS at the customary sucker rates. ...and the sum of our PRESENT KNOWLEDGE is proffered in this volume [p14]

**Sanders**: We did a lot of hustlin' then and gained a HEAP OF KNOWLEDGE and picked VAST WISDOM UP IN CHUNKS in MANY VARIOUS LINES. [CRpoem]

****(H) --- something "too good" to not be indulged in. [humor] ----

**Erdnase**: A self-satisfied unlicked cub with a fairly fat bank roll was TOO GOOD A THING TO BE PASSED UP. [p14]

**Sanders**: and the joke, TOO GOOD TO BE PERMITTED TO DIE EARLY [CRbio]

**Sanders**: Certainly in part it is TOO GOOD TO KEEP, and in a spirit of benevolence ....

---- other "TOO XX TO YY" examples ----

**Erdnase**: some of us are TOO TIMID TO risk a dollar [p9]

**Sanders**: those dear bygone times were TOO JOYOUS TO last [CRpoem]

**Sanders**: whereby hangs a tale which Sanders says is TOO LONG AND BOLD TO relate here [CRbio]

****(H) --- deferring telling a story/tale/letter (for unstated reasons) ----

In this example, the writers have something very interesting to tell. But they refrain from fully revealing it, because it would be embarrassing or self-incriminating.

**Erdnase**: the back palm once helped us out of a difficult situation BUT THAT IS ANOTHER STORY. [p147]

**Sanders**: whereby hangs a TALE which Sanders says is TOO LONG AND BOLD TO RELATE HERE [CRbio]

**Sanders**: More of the LETTER might be given, BUT I REFRAIN. [CRbio]

Sanders has others of this sort where he sets the stage but then pulls back.

**Sanders**: We see him (and another WHO SHALL BE NAMELESS) at a semi-annual examination, interviewing two unwashed Italian organ grinders [CRbio]

**Sanders**: Hollis has always accused the scribe of flirting with the waitress or the cook or somebody; but since he did not bring all of the proofs and records back from that journey into the unknown, the same is not proven, and though the flirting is barely possible, IT MAY NOT HAVE HAPPENED. [CRbio]

****(H) --- subject/method is FOREIGN TO the purpose/subject but (cursory review / touched upon) [methods]

**Erdnase**: The SUBJECT of prepared cards is almost as FOREIGN TO the MAIN PURPOSE OF THIS WORK as the preceding one of hold outs, but a CURSORY REVIEW of the commoner kinds and their uses may not be out of place. [p15]

**Sanders**: Nor is it intended to EXPLAIN METHODS technically FOREIGN TO the SUBJECT, although such will be TOUCHED UPON.

****(H) --- encourage reader to "PERUSE" a particular section of the work to aid understanding [methods] ----
Erdnase: A CAREFUL PERUSAL OF THE FOLLOWING definitions will save much time and perplexity in COMPREHENDING the processes described [p25]

Sanders: A PERUSAL OF THE FOLLOWING excerpts from the text will CONVINCE any fair minded unbiased mining engineer (ML)

****(H) ---- certain terms/symbols ... for the SAKE OF BREVITY ... designate / describing [methods] ----

Erdnase: we have, in DESCRIBING the various processes and conditions, used CERTAIN TERMS for the SAKE OF BREVITY, to DESIGNATE the particular matters referred to. [p25]

Sanders: for the SAKE OF BREVITY in DESCRIPTION, CERTAIN SYMBOLS letters or figures, are employed to DESIGNATE the various mine workings, as follows: [RFMW]

Sanders: they are thus marked, CERTAIN SYMBOLS may be discarded for the SAKE OF BREVITY, and only such as are essential to the DESCRIPTION of the working be employed. [MT]

****(H) ---- this is generally true but (not always so / exceptions) ---

[updated 9/2018] 
Erdnase: That this is GENERALLY TRUE cannot be denied, BUT it is BY NO MEANS ALWAYS SO. [p109]  
Sanders: THIS IS GENERALLY TRUE BUT has one or two EXCEPTIONS [SMR]  
Sanders: This HYPOTHESIS, however, is TRUE ONLY IN PART; for through causes that are SOMETIMES KNOWN, BUT OFTEN are UNKNOWN,

---- with the exception  
Erdnase:: WITH THE EXCEPTION of the first shuffle [p75]  
Sanders: in a manner almost identical with that of the one-compartment shaft, WITH THE EXCEPTION that the sides plates are...

****(H) ---- MOST x and y MACHINE/DEVICE EVER/YET CONSTRUCTED [excellence] ----

Erdnase: the MOST novel AND perfect MACHINES EVER CONSTRUCTED [p15]  
Sanders: the simplest AND MOST easily manipulated DEVICE YET CONSTRUCTED  
Erdnase: the MOST subtle AND ingenious gambling GAMES EVER DEVISED [p117]

****(H) ---- difficulties/objections OVERCOME BY THE USE OF xx which is yy [methods] ----

Erdnase: This OBJECTION is entirely OVERCOME BY THE USE OF the break, WHICH IS illustrated in the following blind shuffle [p31]  
Sanders: this DIFFICULTY is OVERCOME BY THE USE OF a half right-angled miter, of 45 deg., WHICH IS framed from the face of the timber...

****(H) ---- difficulties OVERCOME BY knowledge/understanding ----

Erdnase: When the positions and process are thoroughly UNDERSTOOD the main DIFFICULTIES ARE OVERCOME [p90]  
Sanders: It is only by actual KNOWLEDGE in the handling of affairs that he is enabled to judge correctly of the conditions and to apply the proper remedies for OVERCOMING THE DIFFICULTIES that are continually arising.

Erdnase: and have OVERCOME by far the greatest DIFFICULTY. [p80]  
Sanders: which DIFFICULTY may in a measure BE OVERCOME by diagonal spiling

---- difficulty is avoided ----
[added 5/2018]  
Erdnase: the DIFFICULTY of the twisting out process IS AVOIDED. [p163]  
Sanders: the DIFFICULT and expensive construction of the sloping bottom bin IS AVOIDED.

****(H) ---- may be employed advantageously under XX circumstances/conditions ----

[updated 5/2018]  
Erdnase: we shall describe several processes that MAY BE EMPLOYED ADVANTAGEOUSLY UNDER special
CIRCUMSTANCES. [p144]
Sanders: but they MAY BE EMPLOYED ADVANTAGEOUSLY UNDER ALL CONDITIONS, except where the structure ... [L1906]

Erdnase uses the term "employ" 44 times, and Sanders uses it 31 times in Mine Timbering alone. Here are some other ways they use it in common:

---- necessarily / employed ----
Erdnase: this hand would be the one NECESSARILY EMPLOYED [p192]
Sanders: Under ordinary conditions the L shaft should NEVER BE EMPLOYED, for its shape is such that it MUST NECESSARILY increase the expense... [L1906]

---- methods employed ----
Erdnase: the several METHODS EMPLOYED appear the same as those in common every-day usage. [p164]
Sanders: may METHODS of framing the joints have been EMPLOYED and many forms of joints used.

---- process ... employed ... for the/this purpose ----
Erdnase: In this PROCESS an entirely different subterfuge IS EMPLOYED, and it is probably the most ingenious ever devised FOR THE PURPOSE [p149]
Sanders: For this purpose the PROCESS known as spiling or forepoling IS EMPLOYED
Sanders: with some form of the v-tenon IS EMPLOYED FOR THE PURPOSE of dividing the cross-sectional area

****(H) ---- CULLED ... fairly well ----
In this example, a distinctive word w/ a gambling connotation ("Cull") is used in the same sentence as the collocation "fairly well."

Erdnase: These examples of CULLING, if FAIRLY WELL executed. [p81]
Sanders: FAIRLY WELL filled with data CULLED in a measure from geologic reports... [ML1913]

****(H) ---- dalliance ----

[added 5/2018]
Erdnase: If DALLIANCE with the deck is allowed [p60]
Erdnase: when the company will stand for DALLIANCE at all [p62]
Sanders: to tread the primrose paths of DALLIANCE and joyance. [CRbio]

Dalliance is an uncommon word used by both writers. It also has some interesting biographical connotations with Sanders. Dalliance is defined as: "Frivolous spending of time; dawdling: passed the summer in idle dalliance."

We know that Sanders enjoyed spending time in his home in Helena "reading," "writing," and "loafing." He poetically titled the first section in his summer mining school memoir as "Sinking and Drifting with Machines." And in one of his college reunion poems he writes "I'd rather lie upon my back and gaze up to the sky." These all evoke the feeling of passing the summer on the "primrose paths" of idle dalliance.

****(H) ---- Pun on "shift" ----
Erdnase and Sanders both make a pun on the same word ("shift")

Erdnase: The Longitudinal Shift -- This SHIFT, for which we have to thank no one, is given a VERY LONG NAME, but the reader who is interested sufficiently to practice the process, will find it a VERY SHORT SHIFT [p130]
Sanders: SHIFTED some more cars up to the platform. ... Glad to hear the noon whistle and still more so to hear the evening's signal for the end of the SHIFT.

(Pointed out by Marty Demarest.)

****(H) ---- "make good" [idiomatic. Scare quotes] ----
Erdnase and Sanders both use scare quotes extensively to signal ironic or some other non-standard sense. In this instance they both use scare quotes on the same short phrase.

Erdnase: he coolly proposes to "MAKE GOOD" by transforming the wrong card [p151]
Sanders: Has "MADE GOOD" at the bar, where he shines [CRpoem]
Sanders: But in his work he's long MADE GOOD [CRpoem]


Erdnase and Sanders both refer to the psychology behind vanity and boasting.

**Erdnase:** Excessive VANITY proves the undoing of many experts. ... It requires the philosophy of the stoic to possess any great superiority and refrain from BOASTING to friend or foe. [p23]

**Sanders:** Not given to VAIN BOASTINGS was he, and we learned but little of his life's history [CRbio]

And more significantly, they confess to this personality flaw themselves. Erdnase admits to being "self-satisfied" and to his "insufferable conceit." And Sanders mocks himself as "braggin' yet." Like Erdnase, he's very self aware of this failing; and he can see right through his own pretense, admonishing himself "you can't fool me." In a second instance, he contrasts conceit ("vain boastings") with true "high and reckless courage." And in a third instance, he idealizes the benefits of true courage, where rather than Erdnase's "HEARTrending jolts," the truly brave man would reap "HEART-satisfying rewards."

**Erdnase:** OVERWEENING FAITH in our own potency. We BUCKED THE TIGER voluntarily, and censure no one for the inevitable result. A SELF-SATISFIED unlicked cub with a fairly fat bank roll ... but the jars to our pocketbook caused far less anguish than the HEARTRENDING JOLTS to our INSUFFERABLE CONCEIT [p14]

**Sanders:** [mocking] to hear him talk of the pace he's set; an' of what he's done, for HE'S BRAGGIN' YET; ... but I know you, Bill, an' you can't fool me!

**Sanders:** [contrasting] not given to VAIN BOASTINGS....that high and reckless COURAGE [CRbio]

**Sanders:** [idealizing] HEART-SATISFYING REWARDS that can come to "a BRAVE MAN struggling in the storms of fate."

They also both make a point of highlighting the modesty in their own or others' claims/assertions.

**Erdnase:** We MODESTLY CLAIM originality for the particular manner of accomplishing ... [p13-14]

**Sanders:** He now MODESTLY ASSERTS that he wears "only an upper-lip adornment," [CRbio]

**Sanders:** And we all know full well how necessary the work is, whatever, in OUR MODESTY, we may state as to the possession of brains. [CRbio]

****(H)**** ***FLASH****

In this example a simple word choice reveals a larger metaphor and similar patterns of thought.

**Erdnase:** made like a FLASH [p134]

**Erdnase:** in a FLASH [p92]

**Sanders:** humour would FLASH and beam in him as FLASH the lightnings

In addition to the word choice itself, there is something very interesting about FLASH. Erdnase uses the word six times to describe the speed of certain sleights being performed; and in three of those he mentions the absence of sound. In one case, however, he characterizes that missing sound as a "snap and crack," clearly of lightning.

**Erdnase:** The shift can be MADE LIKE A FLASH, and with the cards in perfect order. When executed perfectly, the ONLY SOUND is the slipping of one packet over the other. There is NO SNAP OR CRACK, and it is in every way worthy of the practice necessary to acquire it. [p134]

Significantly, when Sanders uses the term FLASH, he mentions lightning explicitly and even invokes the way lightning forms on a warm midsummer day. The metaphorical FLASH has become literal.

**Sanders:** enjoyed the added WARMTH UPON A MIDSUMMER DAY, ... mirth and humor would FLASH and beam in him as FLASH the LIGHTNINGS of his beloved Physics.

It could be argued that the sound of a shift is as important an aspect as the speed, and hence we would expect a description of its sound. While this is true, it would be unusual to characterize the sound of a shift as a "snap or crack" independently of the flash of lightning metaphor. In both texts, the author uses the term "flash" figuratively but augments the metaphor by connecting it to its literal roots.

And then, in a pair of consecutive paragraphs, Erdnase ties the bow by directly stating the metaphor.
Erdnase: The actual palming can be done IN A FLASH, and as we have said, the only objections are the necessary maneuvers to obtain the position in a natural and easy manner. [...] In the second part of this book will be found, under the caption Changes, several methods of palming which are LIGHTNING-LIKE in rapidity but are more applicable to card conjuring than card playing. [p92-93]

To summarize: in this example, both writers are not just using the term FLASH as a synonym for FAST. Instead they are thinking (consciously or unconsciously) in terms of the metaphorical roots (lightning) from which it is derived, even in cases where lightning is not mentioned. This is a deeper and more significant similarity than a mere word choice — it is a sign of an identical thought process underlying that choice.

[Matching words "flash" noticed by Leonard Hevia]

****(H) ---- Sanders on GAMBLING ----

Sanders writes explicitly about gambling games in a poem to Johnson.

Sanders:
Come, Johnson, cease your naughty ways,
Make simple faro, poker plays
Or roulette e'en, but stop this craze
For playin' the "Shell game."

However, Johnson, when I learn
The shell game played by your concern
Is not the western game I yearn
To see played on the square,
[...]

****(H) ---- Sanders on MINING/GAMBLING ----

[added 5/2018]

In poems for his classmates Huntington and Hollis, mining and gambling are tightly linked (as they were historically). Huntington left mining to settle down with a family and work in education. Sanders refers to it as having "quit the game," a phrase also referenced by Erdnase. And then Sanders says that Huntington is "STRAIGHT and true."

Erdnase: In most card GAMES ... there is an old adage much quoted that runs, "If suspected, QUIT." [p78]

Sanders:
So, Huntington, you QUIT THE GAME
Our mining engineers HAVE PLAYED
How thoughtful, gentle, STRAIGHT and true

Sanders:
As one who knows THE MINING GAME
From primal A to izzard...
He'd brave the cannon's mouth
When he some METAL CHASES.

And here's the kicker: both Sanders and Erdnase explicitly contrast other MORE RESPECTABLE PROFESSIONS (education and stock trading) with the WILD DELIGHTS and SENSATIONS associated with gambling and/or mining.

Sanders: Huntington has placed taboo the WILD DELIGHTS AND EXHILERATING INFLUENCES of the MINING PROFESSION and settled into the more prosaic, even if MORE RESPECTABLE, calling of education. [crbio]

Erdnase: have impressed the PROFESSIONAL CARD PLAYER with a certain knowledge that his MORE RESPECTED brother of the stock exchange possesses ... Hazard at play carries SENSATIONS THAT ONCE ENJOYED ARE RARELY FORGOTTEN [p10]

The danger of gambling is also described metaphorically. Erdnase writes of how he "bucked the tiger" and lost his money. This is a figure of speech referring to gambling at faro. Sanders uses a very similar image in describing how Hollis, his classmate and fellow mining engineer, would "brave the cannon's mouth" in the context of pursuing of
money (metal) in "the mining game." The metaphors visually evoke the perils of the cannon's mouth and the tiger with its huge jaws, and the ferocious roar of both—all in the context of chasing money.

**Erdnase:** We BUCKED THE TIGER voluntarily, and censure no one for the inevitable result. A self-satisfied unlicked cub with a FAIRLY FAT BANK ROLL was too good a thing to be passed up. [p14]

**Sanders:** As one who knows THE MINING GAME From primal A to izzard...HE'D BRAVE THE CANNON'S MOUTH When he some METAL CHASES. [CRpoem]

****(H) ---- Sanders and Erdnase on the derivation of linguistic terms ----

[added 5/2018]

Both Sanders and Erdnase show substantial interest in the derivation of words and names. They both call attention to cases when a word is commonly misused or a misnomer.

While librarian for the Montana Historical Society, Sanders wrote an in-depth article on the derivation of the name Montana. And in his Columbia class reunion bios, he explicates the sources of the nicknames of his classmates. In addition, his mining articles also describe the derivation of terminology.

**Sanders:** the WORD is an adjective form that is DERIVED from the noun mount or mountain. [MONT]
**Sanders:** making their way over to the headwaters of the Musselshell river, SO NAMED because of the shells that are to be found along its banks. [MONT]
**Sanders:** Of Starek we remember the CAUSE which led to the NICKNAME by which he was known to us all, that of "Pop" Starek. [CRbio]
**Sanders:** ERNEST JULIUS HYACINTH AMY...a name which served the double use of his COGNOMEN and our own mark of affection, for he was never known to us by his FRONT NAME or any of them.
**Sanders:** This designation is now generally applied to the plates of both the vertical and inclined shafts, although it is probable that the NAME ORIGINATED in connection with the timbering of the latter ...and this SIGNIFICANCE of the TERM was finally EXTENDED TO comprehend the similar longer plates of vertical shafts as well. [MT]
**Sanders:** An adit, USUALLY MISCALLED tunnel throughout the West [MT]

Erdnase displays a similar interest in the derivation of names and other terms. He mentions the likely source of the term "cold deck" and recognizes that the standard name of a sleight ("back palm") is actually a misnomer. He also takes time to describe the origins of names that he, himself, has invented.

**Erdnase:** The "Cold Deck" ... The NAME is probably DERIVED from the fact that the deck must await its opportunity long enough to contract a chill in the interim. [p18]
**Erdnase:** The Back Palm.--We are afraid the above title is a MISNOMER.
**Erdnase:** The Longitudinal Shift.-- This shift, for which we have to thank no one, is GIVEN A VERY LONG NAME ... [p135]
**Erdnase:** The S. W. E. Shift. We have not DUBBED the following process with OUR INITIALS because we wish to appear "big on the bills," but merely to GIVE IT A NAME. [p134]

Both are interested not only in origins of words but of methods.

[added 9/2018]

**Erdnase:** methods following were ORIGINATED by us, and we believe [p25]
**Erdnase:** we must confess to some satisfaction in having ORIGINATED what we believe to be... [p134-135]
**Sanders:** square-set system of timbering was ORIGINATED to meet the needs of the situation
**Sanders:** it is probable that the name ORIGINATED in connection with the timbering of the latter,

☛ See also termed as, known as and combination of letters.

****(H) ---- Erdnase on MINING and ARCHAEOLOGY (from "The Divining Rod") ----

The Divining Rod represents a remarkable confluence of Sanders' background and interests (mining and cultural preservation) into a single card trick.

Erdnase's patter centers on the conceit of prospecting for gold. This is something Sanders did in real life.

**Erdnase:** I have mapped out a plan of experiment and study that will in time, I trust, enable me to give once more to the world complete and scientific data for positively ascertaining the immediate whereabouts of such METALS AS GOLD, SILVER OR COPPER by a process as simple as the waving of a willow wand over the PROSPECTED AREA. [p175]
Both Erdnase and Sanders describe the search for hidden underground deposits.

**Erdnase:** DIVINING THE PRESENCE of water or metals that lay HIDDEN far under the ground [p175]

**Sanders:** except in the case of PROSPECTING HIDDEN or BLIND deposits

In the same trick, Erdnase refers to ARCHAEOLOGY and bemoans the WONDERFUL ARTS from ancient times that are now LOST. Sanders, in the 1890s, was Librarian for Montana Historical Society and actively worked to preserve the "archaeology" and its "wonderfully interesting" oral history and relics among those that are already "irretrievably lost."

**Erdnase:** It is a fact well known to ARCHAEOLOGISTS that many very WONDERFUL ARTS which were POSSESSED by the ANCIENTS have, through the COURSE OF AGES, been completely LOST to MODERN CIVILIZATION. [p175]

**Sanders:** the various objects which might serve to enlighten us upon the ARCHAEOLOGY and Ethnology of the Northwest; and such narratives and RELICS as would be of future interest which deal with the lives and works of the EARLY DWELLERS and travellers in this section or tend to illustrate some incident IN HISTORY... What a vast mass of WONDERFULLY interesting and valuable material might be gathered. Already much from our PAST that we SHOULD POSSESS is IRRETRIEVABLY LOST to us [montLib]

And throughout their writing, both invoke the term "ancient" as almost a talisman.

--- "ancient" ---

**Erdnase:** without giving some consideration to the ANCIENT and honorable game [p117]

**Erdnase:** It is a fact well known to archaeologists that many very wonderful arts which were possessed by the ANCIENTS have, through the course of ages, been completely lost to modern civilization. [p175]

**Erdnase:** The saying is as true as it is ANCIENT, and [p185]

**Sanders:** it is difficult to determine the exact limits of what in ANCIENT times were regarded as...

**Sanders:** which in ANCIENT times, were called colles...

**Sanders:** and that the word Montana was so applied in ANCIENT times.

**Sanders:** ANCIENT historians

**Sanders:** in fellowship of ANCIENT days to meet each gladsome year

**Sanders:** where i see the ANCIENT affection burn

****(H) ---- Speech patterns ----

Both Sanders and Erdnase mimic dialectical speech, accents, and various colloquialisms.

**Erdnase:**
A colored attendant of a club-room, overhearing a discussion about running up two hands at poker, ventured the following interpolation: Don't trouble 'bout no two han's, Boss. Get yo' own han'. De suckah, he'll get a han' all right, suah!

**Sanders:**
He hez tears in hiz eyes when he talks uv him; what he sez uv him, sure it ain't so slim; but 1 sez ter him, with hiz reinekaboo, naow yer kaint fule me— so yer jess gaow tew

**Sanders:**
"Expect a poem," now, ye do! Consarn yer blawsted nerve [CRpoem]

Sanders was very sensitive to speech patterns and word sounds and even discusses them explicitly.

**Sanders:**
his style of RAPID-FIRE DICTION in the lecture room was effective; for once he had started upon a sentence, no convulsion of nature, fall of constellations or wreck of worlds could daunt or stop him until his say was said; and sometimes in phrase so warped and convoluted that no formula of mathematics outside of the fourth dimension could establish its sinuosities. [CRbio]

**Sanders:** It is a sightly and simple name, to the PRONUNCIATION of which the comparatively numerous VOWELS that go to make up the word bring forth a liquid richness, a MUSICAL RHYTHM and a RESONANT FLOW OF SOUND that is delightful. [MONT]

More speech patterns here

****(H) ---- Foreign terms ----

Both Sanders and Erdnase include foreign (especially French) terms in their writing.
Erdnase: beté [sic] noir, denouement, Beau-monde, entrée, congé
Sanders: mon chérez frè d'amie [CRpoem]; coups des main [CRpoem]; chapeaux [CRpoem]; retrousse [CRbio]; avec corp de sanita[ion] [CRpoem]; salud! [CRbio], terra incognita [montLib]

****(H) ---- Punctuation ----

Both Sanders and Erdnase use parentheses around individual letters/characters, to interject doubt:

Erdnase: careless (?) dealer
Erdnase: when his error (?)
Erdnase: cant of reformed (?) gamblers
Sanders: innate and in(co)herent modesty
Sanders: We were fed fit for princes (?) stuffed with veal without the veal [Diaries... via Marty Demarest]
Sanders: I am becoming quite a professional (?) cuisiner [Diaries... via Marty Demarest]