===Steel Advantage – 1AC===

# Contention one is steel —-

#### The embargo is ineffective now —- but only lifting it over nickel saves US metals producers from Chinese competition

CS 10 (Cuba Standard, "U.S. steel group uses embargo to hammer China", 5-14, http://www.cubastandard.com/2010/05/14/u-s-steel-group-uses-embargo-to-hammer-china/)

In written testimony during a House Ways and Means Committee hearing Thursday, a U

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, something SSINA~’s doesn~’t even whisper as a possible solution to its issues."

#### The embargo is key —- devastates US steel producers

Cuba News 10 ("SSINA: Chinese steel tests embargo", September, http://www.luxner.com/cgi-bin/view\_article.cgi?articleID=1924)

U.S. stainless steel producers say they~’re getting shafted by an embargo that

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alloy market, which has a number of applications in aerospace and defense.

#### A strong domestic steel industry is the lynchpin of economic competitiveness

Goodman 11 (Peter S., Business Editor – Huffington Post, "American Steel Blames China for Sagging Fortunes", Huffington Post, 1-10, http://www.huffingtonpost.com/2011/01/10/american-steel-blames-china\_n\_806112.html)

THE CASE FOR AMERICAN STEEL

At first blush, steel seems a different proposition. It is capital intensive—

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raw materials, such as iron ore and energy, at subsidized prices.

#### Only the plan averts a steel industry collapse —- China~’s displacing it now

Miller 13 (John W., Mining and Metals Correspondent – Wall Street Journal, and Chuin-Wei Yap, Resources Correspondent – Wall Street Journal and Dow Jones Newswires, "U.S. Icons Now Made Of Chinese Steel —- Imports Surge While U.S. Mills Idle; Lacking Bridge Expertise at Home", Wall Street Journal, 6-20, Proquest)

The reason is partly because Chinese-made steel is cheaper. In fact,

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and found that prices for Chinese-made steel were 25% lower.

#### US economic decline causes perceptual weakness that leads to nuclear war

O~’Hanlon 12 (Michael, Director of Research and Senior Fellow – Brookings Institution, "The Real National Security Threat: America~’s Debt", Los Angeles Times, 7-3, http://articles.latimes.com/2012/jul/03/opinion/la-oe-ohanlon-fiscal-reform-20120703)

Lastly, American economic weakness undercuts U.S. leadership abroad. Other countries

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regions will likely become less stable. Major war will become more likely.

#### The alternative is Chinese steel dominance —- that~’s an existential threat

Goodman 11 (Peter S., Business Editor – Huffington Post, "American Steel Blames China for Sagging Fortunes", Huffington Post, 1-10, http://www.huffingtonpost.com/2011/01/10/american-steel-blames-china\_n\_806112.html)

Yet even if the global appetite for steel soon expands, Nucor—which claims

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and it can lead to something catastrophic. Our very existence gets threatened."

#### The manufacturing industry is on the brink of collapse

Zacks, 9/20/13 (Zack~’s Equity Research, "Machinery Industry Stock Outlook — Sept 2013", www.zacks.com/commentary/29088/machinery-industry-stock-outlook-sept-2013)

Recovery – or the extent of recovery – from the 2008 global crisis is still

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ago period. Manufacturing output decreased 0.2% in the quarter.

#### And —- the steel sector accesses a key multiplier effect —- solves manufacturing

Reuters 12 (Citing Timothy J. Considine, Professor of Energy Economics – University of Wyoming, "America~’s Steel Industry is Leading Manufacturing Out of the Recession", 3-20, http://www.reuters.com/article/2012/03/20/idUS181243+20-Mar-2012+PRN20120320)

WASHINGTON, March 20, 2012 /PRNewswire-USNewswire/ — A just-

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services. It also generated %2412.4 billion in labor income.

#### The steel industry is the lynchpin

Ayres and van der Lugt, 11 (Robert Ayres, Professor Emeritus, INSEAD

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If anything, the recent financial crisis highlighted a broader shift in the location of

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20-25 per cent of global employment in manufacturing (ILO 2010)

#### Several scenarios for manufacturing —-

#### First —- manufacturing deters all war and solves the escalation of conflict

O~’Hanlon 12 (Mackenzie Eaglen, American Enterprise Institute, Rebecca Grant, IRIS Research Robert P. Haffa, Haffa Defense Consulting, Michael O~’Hanlon, The Brookings Institution, Peter W. Singer, The Brookings Institution, Martin Sullivan, Commonwealth Consulting, Barry Watts, Center for Strategic and Budgetary Assessments, "The Arsenal of Democracy and How to Preserve It: Key Issues in Defense Industrial Policy January 2012", http://www.brookings.edu/~~/media/research/files/papers/2012/1/26%20defense%20industrial%20base/0126\_defense\_industrial\_base\_ohanlon)

The current wave of defense cuts is also different than past defense budget reductions in

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civilian and military export opportunities for the United States in a globalized marketplace.

#### Second —- chemical industry is on the brink now —- manufacturing is key to restore it

ZER 12 (Zacks Equity Research, "Chemical Industry Stock Outlook – May 2012," May 10, 2012, http://www.zacks.com/stock/news/74899/chemical-industry-stock-outlook-may-2012)

The U.S. chemical industry represents roughly 19% of the global chemicals

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products, computers, motor vehicles, aerospace, machinery and construction supplies.

#### Extinction

Baum 99 (Rudy M., C%26EN Washington, Chemical and Engineering News, Millennium Special Report, 12-6, http://pubs.acs.org/hotartcl/cenear/991206/7749spintro2.html)

Here is the fundamental challenge we face: The world~’s growing and aging population must

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mysteries and provide for humanity~’s basic and not-so-basic needs.

#### Third —- manufacturing industry is key to agricultural technology advances and precision farming

Lind and Freeman 12 (Michael Lind, policy director of New America~’s Economic Growth Program and a co-founder of the New America Foundation, Joshua Freedman, program associate in New America~’s Economic Growth Program, "Value Added: America~’s Manufacturing Future," New America Foundation, April 2012, [[http://growth.newamerica.net/sites/newamerica.net/files/policydocs/Lind,%20Michael%20and%20Freedman,%20Joshua%20-%20NAF%20-%20Value%20Added%20America%27s%20Manufacturing%20Future.pdf-http://growth.newamerica.net/sites/newamerica.net/files/policydocs/Lind, Michael and Freedman, Joshua - NAF - Value Added America%27s Manufacturing Future.pdf]])

Advanced manufacturing is not limited to new, emerging sectors; even manufacturing tied to

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systems, a modern farm equipment brochure looks like a consumer electronics guide.

#### Agricultural technology advances solve extinction

Trewavas 2k (Anthony, Professor at the Institute of Cell and Molecular Biology at the University of Edinburgh, "GM IS the Best Option We Have", [[http://www.agbioworld.org/biotech-info/articles/biotech-art/best\_option.html-http://www.agbioworld.org/biotech-info/articles/biotech-art/best\_option.html]])

In 535A.D. a volcano near the present Krakatoa exploded with the force

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accepting that technological advance may be the only buffer between us and annihilation.

#### And —- efficient and precise farming solves extinction

Lugar 2k (Richard, a US Senator from Indiana, is Chairman of the Senate Foreign Relations Committee, and a member and former chairman of the Senate Agriculture Committee, "calls for a new green revolution to combat global warming and reduce world instability," pg online @ http://www.unep.org/OurPlanet/imgversn/143/lugar.html)

In a world confronted by global terrorism, turmoil in the Middle East, burgeoning

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in the survival of billions of people and the health of our planet.

===Alloys Advantage – 1AC===

# Contention two is alloys —-

#### Alloy prices up now

McLeod 8-29 - major in English and Humanities and Staff Writer for Resource Investing News (Charlotte, "Upcoming Indonesian Nickel Ore Ban May Boost Prices," Resource Investing News, 8/29/13, http://resourceinvestingnews.com/60401-upcoming-indonesian-nickel-ore-ban-may-boost-prices.html)

Indonesian ban may spur demand¶ Much of that positivity stems from the expectation that

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Metal Exchange nickel is currently selling for %2414,320 per MT.

#### The plan decreases domestic nickel alloy prices —- several internal links —-

#### First —- transportation costs

Coleman 1 (Jonathan R., Project Leader and Presenter – Association for the Study of the Cuban Economy, "THE ECONOMIC IMPACT OF U.S. SANCTIONS WITH RESPECT TO CUBA", Association for the Study of the Cuban Economy, http://www.ascecuba.org/publications/proceedings/volume11/pdfs/coleman.pdf)

Nickel and cobalt. The United States produces no primary nickel and cobalt, while

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Canada (valued at between %2455 million and %2471 million annually).

#### Second —- Cuban mining expansion —- the plan~’s signal is key

USITC 1 (U.S. International Trade Commission, "THE ECONOMIC IMPACT OF U.S. SANCTIONS WITH RESPECT TO CUBA", USITC Publication 3398, Investigation No. 332-413, February, http://www.usitc.gov/publications/332/PUB3398.pdf)

The current impact of sanctions is to discourage foreign investment in Cuba by raising the

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projects that would result from access to the U.S. market.

#### Third —- price shocks —- only expanding trade with Cuba buffers them

USITC 1 (U.S. International Trade Commission, "THE ECONOMIC IMPACT OF U.S. SANCTIONS WITH RESPECT TO CUBA", USITC Publication 3398, Investigation No. 332-413, February, http://www.usitc.gov/publications/332/PUB3398.pdf)

In the absence of sanctions, there is likely to be a partial reorientation of

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additional supply source would be welcomed by U.S. buyers.86

#### Low alloys prices key to effective aircraft engines

INSG 13 (International Nickel Study Group, "Nickel-Based Super Alloys", SECRETARIAT BRIEFING PAPER, No. 20, April 2013, http://www.insg.org/%5Cdocs%5CINSG\_Insight\_20\_Nickel\_Alloys\_2013.pdf)

According to the Nickel Institute, the term "super alloy" is applied to

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the hottest parts of gas turbines both for power generation and aircraft engines.

Summary

Nickel-based super alloys are found in a wide range of applications. The

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%244200 per kilogram and ruthenium at %2465 to 85 per ounce.

Background

While stainless steel accounts for by far the largest use of nickel, the use

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marine, chemical processing, oil and gas, aerospace and military industries.

#### That reduces aviation pollution

INSG 13 (International Nickel Study Group, "Nickel-Based Super Alloys", SECRETARIAT BRIEFING PAPER, No. 20, April 2013, http://www.insg.org/%5Cdocs%5CINSG\_Insight\_20\_Nickel\_Alloys\_2013.pdf)

Applications of Super Alloys

Superalloys are commonly used in gas turbine engines in those areas of the engine that

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alloys are used i.e. the hottest, highest pressure zones.

#### Reducing aviation pollution prevents millions of deaths each year

AJ 7 (Aviation Justice, "Aviation and Air Pollution," 2007 most recent date cited, http://aviationjustice.org/impact/aviation-and-air-pollution/)

Aviation is a major source of local air pollution, leading to significant public health

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problem and allow aviation emissions to remain unregulated, uncontrolled and unreported.~’

#### And —- cheap engines also enable the F35 —- price increases cause program shutdown

Reuters 13 ("Pentagon, United Technology agree on F-35 engines", 8-27, http://www.reuters.com/article/2013/08/27/us-usa-military-unitedtechnologies-idUSBRE97Q0KX20130827)

(Reuters) - The Pentagon on Tuesday announced it had reached agreement with United

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Chris Bogdan, the Pentagon official who runs the F-35 program.

#### F35s are key to airpower —- collapses absent it

Carter 11 (Dr. Ashton, Undersecretary of Defense for Acquisition Technology and Logistics, "DEPARTMENT OF DEFENSE PRESENTATION TO THE SENATE ARMED SERVICES COMMITTEE UNITED STATES SENATE", 5-19, http://www.airforce-magazine.com/SiteCollectionDocuments/Testimony/2011/May%202011/051911vanburen\_carter\_venlet.pdf)

The F-35 is the Department of Defense`s largest acquisition program,

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an informed decision on how to, and whether to proceed with STOVL.

#### Airpower is key to deterring multiple nuclear conflicts in Asia

Tellis 98 (Ashley J. Tellis et al, Chung Min Lee, James Mulvenon, Courtney Purrington, and Michael D. Swaine, sources of conflict in the 21st century, available via the rand website @ rand.org, Chapter 3)

The first key implication derived from the analysis of trends in Asia suggests that American

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effects, as in China, Indonesia, Myanmar, or North Korea.

===Plan Text – 1AC===

#### The United States federal government should offer Cuba the option to export Cuban nickel to the United States.