











FIRST STEPS: NOTEBOOK	
Buy a composition notebook to record your idea and all information related to your idea. This includes documentation of all 'prototypes' that you make or have made along with specifics on materials used and your estimate of materials cost as well as what is both good and bad about the prototype. YOU WILL PROBABLY MAKE MANY PROTOTYPES! YOU WILL LEARN FROM YOUR FAILURES!!!!	
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NEXT STEPS:	
CONFIDENTIALITY AGREEMENT	
 When you have your idea to the point where you need to talk to anyone about your idea, have the person sign a confidentiality agreement. This is done to preserve certain patent options. You can have a person that has signed a confidentiality agreement witness each page in your notebook by writing the following at the bottom of the page with the person signing their name beside this statement "Read and Understood by: " and record the date. This is sufficient to document that the information on that page is your idea. 	
Confederate Confed	

MUTUAL NON-DISCLOSURE AGR Part one	EEMENT
This Mutual Non-Disclosure Agreement (the "Agreement") is effective on the date of its exect Gordon Brown, a South Carolina resident, with his principle address at and David A address at (together known as "Brown/Abernethy") and (your Name or Company and address	bernethy, a South Carolina resident, with his principle
RECITALS	1,1
 Brown/Abernethy possess proprietary knowledge and technology in the field related to a flexil in the Strength and Conditioning field specifically US Patent 7,951,051 (May 31, 2011) owned to Brown/Abernethy. Brown-Abernethy are interested in having discussions with Information (hereinafter "Purpose"). 	by Gordon Brown and other patents pending owned by
is interested in having discussions regarding Brown/Aber	nethy's Information.
 The Parties may, in conjunction with the aforesaid and for their mutual benefit, disclose to eat their respective businesses, facilities, products, techniques and processes in the form of oral di sample of any kind, document, specification, or drawing, which information is proprietary to th parties are willing to undertake to restrict the use and further disclosure of the Information. 	isclosure, demonstration, device, apparatus, model,
 Now, therefore, in consideration of the recitals stated above and the representations, warranti is hereby acknowledged, the parties agree to the following: 	es and agreements stated below, the sufficiency of which

Mutual non-disclosure		
REPRESENTATIONS, WARRANTIES, AND CONVENANTS	greement	
The inclusion primary including all filled primary in the control of the control		
As required to be discissed by federal, state or local antense or by other of a court of competent gradedines, provided, however, that the recoving any talk provide the discission party with notice of any obligations which the receiving party my how to disclose becured now on many be practicated to that the disclosing party may content and part that the disclosion of the content of the content of the providing party are circled confidential and will be identified in writing as such by the Provider. Sampless include the sample materials and also include information or knowledge and the processing army good in particular for the particular for the particular for the processing army good in particular for the particular for particular for the par		
3. The Receiving party shall be entitled to test and evaluate the samples, but shall not disassemble the samples, or sell or show or give the samples, or products made from the samples, to any outside third party without the curposed written consent of the Provisier. The Receiving party further agrees not to disclose the results of tests and experiments conducted on samples to any outside third party, for a period of three Glyvears from receipt of the samples without the expressed written consent of the Provider.		
The Receiving pairy agrees that my Information and samples shall be and remain the property of the Provider and shall be returned to Provider upon request, except that one copy of any Information but no samples may be kept by Recipier's legal content for nearby approase only. Sho rights or licenses under any issued patents now thereafter owned by Brown or Abeneathy or Brown Abeneathy or under either party's Information any ganted hereunder. Shi Augment shall commence upon the date of the last to design party the "Commencement Diar", and that remaining upon feet and or wopens the party the last of the last to design party the "Commencement Diar", and that remaining upon feet and or woyses after the commencement Diar or shall be arrival to go to the party that the party that the party of the party that the party thas the party that the party that the party that the party that th		
after receiving written notice of termination from the other party. The provisions of Item 2.2, 2.4 and 2.5 of this Agreement shall arrive the termination of this Agreement, and shall continue until the fifth anniversary of the Commencement Date. 7. The parties acknowledge that the Agreement merely provides for the exchange of Information. Discussions regarding a more formal business agreement may occur at a later date. This business:		
/ the parties accumulage that that Augmented interrept provides for the exchange of information. Indexconserver, parties a novel contains because a agreement many occur at a later date. This bousses, agreement may occur at a later date. This bousses, agreement may address a reason between the exchange of information (such as consider feet, repulse, latercapted of technology and/or product, etc.) which is the subject of this Mutual Non-Discourse Agreement. **R. The nuries are: that this Aurecement shall be construed and overmed by the laws of the late of South Carolina.		
	and understanding between the parties concernin ies concerning such subject matter.	g the terms and conditions of confidentiality for matters described in Item 1.1 above, unto duly authorized, all as of the day and year of the last-to-sign below.
Ву:	Ву:	Ву:
(Signature)	(Signature)	(Signature
Name: Gordon Brown	Name: David Abernethy	Name:
Date:	Date:	Title:

NEXT STEPS:	
FILE A PROVISIONAL PATENT	
• Go to the United States Patent and Trademark Office (USPTO) website and read all that you can about 1) design patents, 2) utility patents and 3) methods patents. And read about Provisional Patent applications. To document your idea and information about your idea, you can file a Provisional Patent application for between \$100 and \$200 and submit to the USPTO following instructions on their website. You do not need a lawyer to do this. From the date of filing the Provisional Patent application, you have 1 year to file your United States and any foreign country filing. If you are at this point, it is probably time to Inviers some serious money and talk to a patent attorney. From start to finish you can expect to pay between \$5000 and \$30,000 or more to obtain a US Patent.	
PROVISIONAL FOR PATENT	

UNITED STATES PATENT AND TRADEMARK OFFICE (USP	
 What is a Patent? A patent is the grant of a property right to the inventor, issued by the USPTO. The term of patent us generally around 20 years from the date of the application. 	
 The United States Patent and Trademark Office is an agency of the U.S. Department of Commerce. The role of the USPTO is to grant patents for the protection of inventions and to register trademarks. 	
 Three types of patients. I <u>Willing patients</u> appose who insents or discovers any year and useful process, machine, artificed of manufacture, or useful improvement thereoff. 2. <u>Pasiting patients</u> appose who invests a new organization of manufacture discovers and assexually reproduces any distinct and new variety of plant manufacture. 	
The USPTO examines applications and grants patents on inventions when applicants are entitled to them.	
* Information takes from the United States Potent and Trademark Office Website:	







ABOUT US!

- unami Bar, LLC is a South Carolina partnership LLC formed in Oct 2011 with David Abernethy (Master Strength and Conditionach by the CSCCa and Assistant Athletic Director of Strength and Conditioning at a Division 1 University) and Gordon Brown ritled States Navy CAPTAIN, inventor and thergiass composite s professional) as members. Sales began in May 2012. Issua oducts (US Pat # 795.105 and US Pat # 9.925.406 are state-of-the-orf lexible composite barbells and LAT pull down bars. It methods for using these products in the Strength and Conditioning of athletes and others interested in building strength squade movement and conditioning of stable and Conditioning of athletes and others interested in building strength squade movement and complicationing of stabilizer muscles to improve one's overall Power, Agility and Sport's Specific abilities. Cited are 9 Tsunami Bard's products including 6 flexible barbell bars and 3 LAT pull down bars. Other products are under develop (products have tailored flexibility and a FAT 2" grip. All Olympic plate weights and bumper plates can be used with all barbell ordicts.
- nami Barr® products are manufactured and marketed by Performance Strength Designs, Inc. (PSD) of West Columbia, SC under a see from Isunami Bar, LLC.

1011 – Gordon met for 1st time with David Abernethy at Clemson. 11 to present – Continuing development/refining of Tsunami Bar® and related 'new' products, 11 to present – Continuing development/refining of Tsunami Bar® and related 'new' products, 11 – Tsunami Bar, LLC formed in South Carolina with Gordon Brown and David Abernethy as Co-Founders. 12 – Furman University under direction of Tony Caterisano PhD FACSM begins extensive evaluation program on mit Bar®. April 20, 2012 - Exclusive Licensing deal signed with Performance Strength Designs, Inc. for Manufacture and Marketing of the Tsunami Bar® flexible composite barbell. Mny 9, 2012 - Original Tsunami Bar® first offered for sale at CSCCa in Orlando, FL. Jun 3013 – Tsunami Bar® wins 'Best of Show' Product Award at American Composite Manufacturer's Association (ACMA) Annual 'Conference & Expo' – COMPOSITES2013. May 2015 – Three (3) Scientific Research papers from Furman faculty professors to be presented at American College of Sports Medicine National meeting in Indianapolis, IN. May 2015 – Additional Tsunami Bar® products projected to be introduced at CSCCa.

THE ORIGINAL TSUNAMI BAR® · Level 3 Tsunam Bar® (The Original Bar®) • 90" long. Bar weighs 15 lbs. Weight range: 45 to 135 lbs on each end of bar. Most nonular bar. auumi 🤝 l 😂 liiiiiiiii

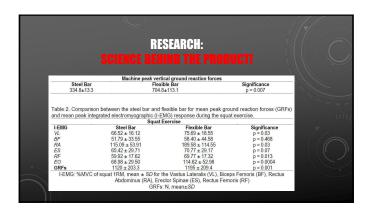
Titled: Apparatus and Methods of Using A Flexible barbell For Enhancing The Benefits of Weightlifting.

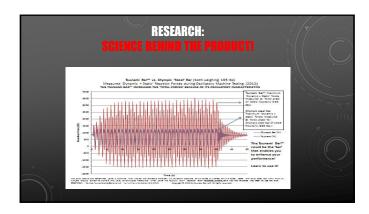
- New wedsite is launched.

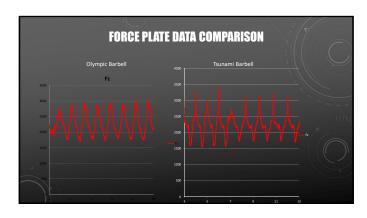








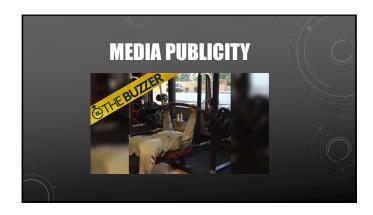




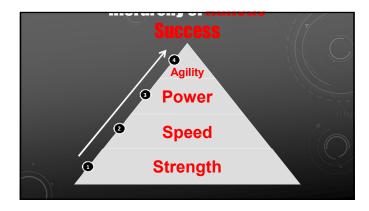








HOW DO WE SELL OUR CRAFT? PHYSIGS! • Newton's Third law: When one body exerts a force against a second body, the second body simultaneously exerts a force equal in magnitude and opposite in direction to that of the first body • For every action there is an equal or opposite reaction











MUSCLE GROUPS— PRIME MOVERS VS. STABILIZERS Stabilizers are smaller muscle groups used to balance and stabilize the joints during a lift. They include, often times, opposing muscle groups which must adjust and maintain balanced force, especially with an unstable resistance (i.e. strongman competitors lifting kegs filled with shot). Free-weights are better for training these compared to machines. A flexible barbell is best to train stabilization and control









THE DILEMMA HOW DO WE WORK STABILIZERS? Machines work muscles at different angles but fail to stimulate stabilizer muscles. 'core work trangeing stabilizers must be added to workouts - this takes time and energy away from the primary training goals. Free weights are dead weight - work stabilizers but in a highly predictable way.

WOULDN'T IT BE GREAT IF WE COULD TRAIN FOR BOTH STRENGTH AND POWER? Out training device that maximizes the speed of the lift, yet provides maximal resistance at a joint-specific point in the lift? A device that stimulates stabilizer muscles with live weight characteristics? A device that was as versaile as an Olympic bar, allowing every lift that can performed on an Olympic bar to be performed on it.

THE TSUNAMI BAR	
Uses submaximal weights but generates maximal forces at critical points in the lif	
Develops power because weights can be moved at maximal speeds	
 Has ampillatory and oscillatory motion for "live weight" feel that develops stabilized. 	zer muscles.
 Flexible nature of the bar allows for acceleration through the end of the lift. Has muscle groups at the same time. 	the potential to work opposing
 Has the potential to work opposing muscle groups at the same time. 	
Is safe because the bar is loaded with submaximal weights and conforms to the b	ody better than a stiff bar.

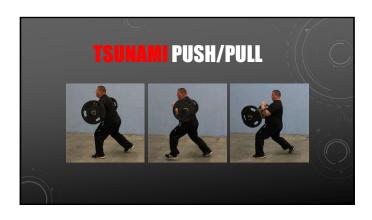
THE TSUNAMI BAR — HOW IT WORKS - Maximal forces are generated via the acceleration generated by the downward motion of the flexible bar: - Force (f) - Mass (M) X Acceleration (A) - When timed properly, the forces generated by the bar on the downward flex are increased by acceleration. - This can generate up to 7 times the mass loaded on the bar, determined by our testing machine in a lab.

The maximal forces that are generated only occur for a short time at which point the lifter exerts an 'impulse force' to opposite this force. This impulse force recruits maximal motor units similar to lifting a 1RM, which stimulates strength development at that joint angle. The coach can determine which joint angle correspond to athletic movements and adjust the lifts accordingly.











PROGRAM DESIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
• DAY 1: CSP = CLEAN/SQUAT/PRESS	
(PULL=TSUNAMI CLEAN AND PRESS OR JAMMERS X SPEED)	
(PUSH = FRONT SQUAT X FORCE)	
(PRESS = BENCH PERIODIZATION X VOLUME)	
DAY 2: SPC = SQUAT/PRESS/CLEAN	
(PUSH=TSUNAMI BACK SQUAT X SPEED)	
(PRESS = INCLINE BENCH PRESS X FORCE)	
(PULL = P. CLEAN PERIODIZATION X VOLUME)	
DAY 3: PCS=PRESS/CLEAN/SQUAT	
(PRESS=TSNAMI BENCH X SPEED)	
(PULL = HANG SNATCH X FORCE)	
(PUSH = SQUAT PERIODIZATION X VOLUME)	







