

FAT CHANCE'S TITANIUM EXPERIMENT

Externally butted tubes are just part of the picture



"better," "lighter," stronger and "whiter whites." All the fuss about titanium is bunk.

Titanium is what titanium does. Hype loses all its bluster the moment your knobby tires reach the dirt. A titanium

knobby tires reach the dirt. A titanium frame with bad geometry is a waste of metal.

So when Fat Chance's Chris Chance unveiled his latest, newest, trickest, light-



had the straarts to add one more word to the litany of titanium hyperbole. "Relax," said Chris." advice, pigconholed all the techno mumbo-jumbo for later and just went for a ride. MEET THE TITANIUM FAT CHANCE. It is as easy to become enamored with

It is as easy to become enamored with technological innovations as it is to favan over ethereal nuances in the name of beyelve performance. MBA had been testing a host of full-suspension super frames when Chris Chunce offered to ship us his latest prize: a rigid titanium mountain bike. No suspension, no fills, just a rice, light bike. Hey, why no?!

Of course, the Fat Chance titanium

steed was a bit more than a nice bike. The titanium Chance utilized the company's externally butted, oversized 3/2.5 titanium alloy tubes. There were a lot of style and value-added details in the frame, a reflection of Chris' high level of commitment to the gray material. Take the rear dropouts, for example. These CNC machined beauties are thin and elegant Their flowing lines will go largely unnoticed by most customers; so will the rounded plues on the ends of the untapered seat and chainstays. A few customers might notice the TIG-welded seat tube cap (which reinforces the top of the seat tube and reduces its diameter to allow for a smaller, lightweight [but still oversized] 29.4mm seatpost). Besides, how long would it take a rider used to run-of-the-mill bikes to discover the anti-

rain-descend back to discover the manstay?

One thing that every rider will spotigate of the back, however, is, the Pata right off the back, however, is, the Pata right of the back, however, is, the Pata right of the back of the riceral-look in the pata right of the riceral-look in gright forks ever made. It's a right of the lay, One-inch, untappered, chromoly legs, One-inch, untappered, chromoly welded, tubelier crown. Small viringular between the riceral riceral riceral period of the riceral riceral riceral period of the riceral riceral riceral convention of the riceral riceral riceral Smooth sating (Mens a long pretch of

amouth dirt, the Fat Chance files. Unless the going was extremely steep, Fat Chance Titanium riders rarely noticed the change in effort. For anyone who has ever asked the question, "Can a bicycle be too light?", the answer is, "No."

n flag wherever possible; right down ! tion Tec front chainrings, Onza p els and boits on the water bosses

fork. The Big I fork may be the reason that Fat Chance still believes in a rigid ride. The company has manufactured the five-tube beauty since its inception in the early '80s, and the fork has become a trademark of sorts

... & THAT EXTERNAL BUTTING? Titanium doesn't readily lend itself to

standard metal-forming techniques like drawing, swaging or even bending. The gray metal cannot be easily stretched or ter of the tube-butting process. What do you do when what you want to do can't be done the way it has always been done? Improvise! Fat Chance buys thick-walled titanium tubing and uses a special machining process to remove material from the lightly loaded center section of the tube. In short, it spins it and lathes it down. The ends are left almost full-thick-It's butted, but not in the traditional

ness to reinforce the frame junctions. sense. Butted bicycle tubing is manipulatthe transitions are hidden in the LD, of the tube. Fat Chance's externally machined butting process makes for a equivalent-weight straight-gauge Ti frame, and as an added plus a customer gets to see what he isn't getting. Fat Chance's process removes about 0.020' from the tube wall. Exactly how much weight the machining saves won't tip a gram scale into upheaval, but Chris claims the shaved Ti tubes noticeably enhance the riding quality of the bike. We

shall see THE SUM OF ITS PARTS

In keeping with Fat Chance's functional fashion statement, Chris assembled our test frame with a killer component selection: high-back, high-performance and can cottage-industry suppliers). Key derailleurs, Grafton cranks and titanium bottom bracket and Action Tec titanium chainrings (46/36/26), eight-speed titanium cogs (11-32) and a special upper pulley replacement which significantly improves the titanium-injected shifting in the rear, GripShift, Grafton levers, Onza bar-ends and Answer Hyperlite bars made an impressive dashboard. A tendegree, 135mm Ringlé stem connected it to the bike via a Chris King threadless headset. Brakes were black, marnesium Grafton cants with Dia-Compe pads. The Fat Chance's wheels were built up with impressive Bontrager BC1 rims, 15/17-

gauge spokes (32) and Ringlé Bubba

hubs with matching blue "Twister" quick

releases. Tires were the latest bi-axial rubber compound, Panaracer "Magic" 1.9s with blonde Smoke/Durt treads. Accommodations were hardled by a Flite titanium railed saddle on a Ringlé Moby seatpost. All the Ringlé stuff was anodized blue to match the fork and decal highlights (a refreshing break from pur-

KNOWLEDGEARLE NUMBERS True off-road handling emanates from a subtle mixture of theory and seat-of-thechamois understanding of dirt riding Chris Chance has both wired. The titanium Fat Chance has its own unique geometry: a blend of razor-quick East Coast steering, mixed with a dash of Western stability. Our 18-inch Fat Chance had a

quick, 71.5-degree head angle mixed with a laid-back, 72-deeree seat angle. The bottom bracket was a West Coast-standard 11.75 inches bieh while the top tube was a spot-on 23 inches. Chainstays were on the long side at 16.875 inches.

The frame has a little height designed into the head tube to compensate for the addition of a suspension fork (just in case you get soft on the concept of rigid rid-

ing). In fact, the bike is available with a Rock Shox Mag-21 or a Manitou 3 for a little extra cash (oops, we promised Chris we wouldn't mention that tidbit). The titanium Fat Chance comes in 10-, 14.5-, 15.5-, 17-, 18- and 19-inch sizes. Its price tag of \$2425 includes either a "Big 1" or a "Yo Eddie" rigid fork (ours had the Big 1 unit). Frame-only is \$2195 and with a (gasp) suspension fork, the tag increases to \$2580. Colors? Dark silver, gray or titanium finish. Our bike came in under 20 nounds on the MBA scale and Chris Chance claims the 18-inch frame weighs a conservative 3.6 pounds. That's a light

bicycle! For more info call Fat City Cvcles at (617) 625-4922 MRA GETS GRAY & FAT Riding the Titanium Fat Chance re-

quired no coaxing. The entire MBA test crew wanted to experience exactly how a sub-20-pound, rigid bicycle felt on a long. hard, fire road climb. The only test rider who didn't get a chance to ride the

Chance was a Felix Unger wanna-be. He had spent all year whining about "heavy, sluceish, stupid suspension bikes," so no-



de in the USA." The shopping lit rake levers and GripShift. The bike is a

Say, Hallelujah: Fat Chance equipped th Titanium with Action Tec's titanium rea set. Every test rider gave it thumbs This was the first titanium rear clust et actually worked. Check out the NC'd rear dropout. Very nice. and rigid bottom bracket were worth two

dismeter tube front end feathery and rigid Fat Chance. Unfortuhigher rear cogs up the titanium road. It nately, all the nitpicky, retro-grouch guys like Felix can smell the essence of lightness from three blocks away. He was suited up and astride the Fat Chance before any of us knew he was even at the trailhead (we hate that guy). The little gray Fat Chance was an "E ricket at the first revolution of the crank-

ht arrow: Fat Chance has been

this fork for a decade (the Big 1)

ned possible, due mostly to its

at Chance's performance over mor

e bumps was smoother than anyone

set. Chris Chance was correct in assuming that we would like this bike once we rode it. After a counte of years of hammering full-suspension bikes, feeling every nuance of the trail surface is an experience to savor. The titanium Fat Chance offers a fair trade for all the pounding its rigid chassis transmits by climbing like a balloon escaping from a two-year-old One of the grinder parts of the most popular MBA trails is a wide, hard-packed

access road used by humongous trucks to

haul titanium ore from the local moun-

tains. The Fat Chance's ultra-light weight 82 MOUNTAIN BIKE ACTION / JANUARY 1985

was at once apparent that a rigid bike's forte was long, medium-grade, smooth fire road ascending . . . especially if the route requires begacoup big-ring, out-ofthe saddle efforts. Of course, a sub-20pound bike is an obvious candidate for a good climber, eh? What about the other

Several of the inveterate full-suspension test riders hoped that putting the rigid Chance to the "gnarly-rocky-singletrack" test would even the score (and wipe the smile off Mr. Rigid's face), proving the superiority of suspension once and for all. The Fat Chance embarrassed the suspension proponents. The rigid-forked, titanium-tubed, East Coastbuilt rigid bike handled the rough, rocky terrain well enough to obscure the difference. While it was true that the Fat

Chance couldn't be hammered gleefully

FAT CHANCE down cactus-infested, rock-strewn chutes it could still be ridden down the chutes at

moderate speed without exposing its rider to mortal danger. The titanium Fat Chance was light enough to be lofted over fairly large obstacles and, once the death-defying stuff was behind you, it was a super-handling trail bike. The Grafton stoppers were precise and powerful and Panaracer's flesh-colored tires backed them up with bomb-proof traction, Good brakes combined with a feather-light bike made tight, fast singletrack into a game of hard braking and short, quick sprints to the next corner. The suspension bikes might have absorbed the trail, but the rigid bike virtually attacked The suspension guys (and Fat Chance

does make a MacPherson Strut full-suspension bike) did win a moral victory as the speeds picked up. The most powerful brakes in the world are useless if the tires won't stay earthbound. Once the rigid Fat Change was taken past a certain speed over rough terrain, turning and braking suffered. Like all rigid mountain bikes, the Fat Chance would get very sketchy through uneven traction or bumpy curves. If a mountain bike rider needs to be reminded of the benefits of front suspension, riding the titanium Fat Chance at speed will provide you with an object lesson that will indelibly impress the benefits of assession forks upon you

TI-ING IT ALL TOGETHER So many questions, so few answers (1) Were Chris Chance's fancy externally butted titanium tubes of any benefit? (2) Is a rigid bike still valid? (3) Did MBA like the Fat Chance Ti bike? There are clear answers to these ques

tions-almost. (1) On the subject of the bike's externally butted, oversized, titanium tubing, in addition to reducing weight on the Chance's frame, there was a softer ride to the bike over sharp, medium-sized impacts (like small, embedded rocks). (2) If you are a true pedaling puritan, the rigid version of the Fat Chance Titanium would be hard to pass up-providing one had the money to spend on a frame and fork of this caliber. There is a hidden benefit to riding a rigid mount: if you fall, you will be going slower (the severity of a fall grows exponentially as speed increases). (3) We think the Ti Chance is an excellent ride as a rigid bike, but we would order ours with a suspension fork. As a side note, Action Tec's chainrings and rear cogs worked without a hitch-a Ti landmark for MBA's staff. Until this text, we had yet to experience a good shifting set of Ti cogs. Overall, the Fat

Chance Titanium is happiest in the mild but fairly capable of wild. It isn't made for slam-dancing in the pit, If you want to waltz through the backcountry in style, this bike should be your dance partner.