

1

00:00:00,000 --> 00:00:05,000

On this episode of MythBusters...

2

00:00:05,000 --> 00:00:08,000

I just had one of those, what the hell are we doing moments?

3

00:00:08,000 --> 00:00:13,000

It's Buster vs. Gravity as we put his new body to the test.

4

00:00:13,000 --> 00:00:14,000

One!

5

00:00:20,000 --> 00:00:23,000

Jamie and Adam come to the aid of thirsty party goers.

6

00:00:23,000 --> 00:00:25,000

Oh, it feels nice and frosty.

7

00:00:25,000 --> 00:00:29,000

As they search for the fastest way to cool a six pack.

8

00:00:29,000 --> 00:00:34,000

And the build team puts bodies on the line in search of ancient electricity.

9

00:00:34,000 --> 00:00:37,000

Oh my god!

10

00:00:38,000 --> 00:00:40,000

Who are the MythBusters?

11

00:00:40,000 --> 00:00:42,000

Adam Savage.

12

00:00:42,000 --> 00:00:45,000

I reject your reality and substitute my own.

13

00:00:45,000 --> 00:00:46,000

And Jamie Heinemann.

14

00:00:46,000 --> 00:00:48,000

I kind of like it in here, it's private.

15

00:00:48,000 --> 00:00:53,000

Between them more than 30 years special effects experience.

16

00:00:54,000 --> 00:00:55,000

That was intense.

17

00:00:55,000 --> 00:01:00,000

They don't just tell the myths, they put them to the test.

18

00:01:07,000 --> 00:01:10,000

It's a nightmare on Easy Street.

19

00:01:10,000 --> 00:01:14,000

Tailgate party, thirsty people, warm beer.

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00:01:14,000 --> 00:01:15,000

62 degrees.

21

00:01:15,000 --> 00:01:19,000

What is the fastest way to cool a six pack?

22

00:01:24,000 --> 00:01:29,000

Well, looks like we have another alcohol related myth, Jamie.

23

00:01:29,000 --> 00:01:32,000

Does this mean we have to get drunk in the morning again?

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00:01:32,000 --> 00:01:35,000

I don't think we have to, but you know, maybe we can.

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00:01:35,000 --> 00:01:38,000

This myth actually came to us off the Discovery website.

26

00:01:38,000 --> 00:01:52,000

A fan wrote in saying he had heard that in Vietnam, when they were out in the field and had a warm six pack that they needed to cool down, they would bury it in the sand, pour a quart of gasoline over it, set the gasoline on fire, and set it on fire.

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00:01:52,000 --> 00:01:56,000

And somehow the six pack, when they dug it up, would be nice and cold.

28

00:01:56,000 --> 00:01:59,000

Well, it sounds like a fun one for us to test.

29

00:01:59,000 --> 00:02:03,000

Oh yeah, I mean, there's nothing more patriotic than gasoline and beer.

30

00:02:03,000 --> 00:02:04,000

Chilling beer.

31

00:02:04,000 --> 00:02:08,000

Clearly, the mythbusters will have to research this one thoroughly.

32

00:02:08,000 --> 00:02:11,000

What they need is a field trip.

33

00:02:11,000 --> 00:02:14,000

Jamie, I've got the perfect place for us to experiment with beer.

34

00:02:14,000 --> 00:02:15,000

Right here, Connecticut Yankee.

35

00:02:15,000 --> 00:02:16,000

They have beer here?

36

00:02:16,000 --> 00:02:18,000

They have lots of beer.

37

00:02:19,000 --> 00:02:22,000

Inside the mythbusters beer oracle.

38

00:02:22,000 --> 00:02:25,000

His name is Fritz.

39

00:02:25,000 --> 00:02:33,000

So Fritz, have you heard the myth about being able to chill a six pack of beer by pouring gasoline

over the top of beer that's buried in sand?

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00:02:33,000 --> 00:02:35,000

And setting it on fire.

41

00:02:35,000 --> 00:02:36,000

No.

42

00:02:36,000 --> 00:02:37,000

You haven't heard that one, huh?

43

00:02:37,000 --> 00:02:38,000

No.

44

00:02:38,000 --> 00:02:39,000

What do you think? Would it work?

45

00:02:39,000 --> 00:02:40,000

No.

46

00:02:40,000 --> 00:02:43,000

Well Fritz, what's the ideal temperature for a beer?

47

00:02:43,000 --> 00:02:44,000

38 degrees probably.

48

00:02:44,000 --> 00:02:45,000

38?

49

00:02:45,000 --> 00:02:46,000

I'm thinking, yeah.

50

00:02:46,000 --> 00:02:47,000

Okay.

51

00:02:47,000 --> 00:02:49,000

38 golden degrees.

52

00:02:49,000 --> 00:02:53,000

Jamie and Adam could spend hours soaking in Fritzy's wisdom.

53

00:02:53,000 --> 00:02:59,000

Instead, they'll attempt to cool a six pack to 38 degrees by setting it on fire.

54

00:02:59,000 --> 00:03:03,000

We've got our sample beats here and we've got our sample six pack.

55

00:03:03,000 --> 00:03:06,000

We're going to crack a beer open, see what its temperature is.

56

00:03:06,000 --> 00:03:10,000

Then we're going to put it in the sand, pour a quart of gas over it, set it on fire.

57

00:03:10,000 --> 00:03:16,000

Immediately after the fire goes out, we're going to pull out a beer, measure the temperature again and see if there was any drop in the temperature.

58

00:03:18,000 --> 00:03:27,000

The theory is that in the same way evaporating water sucks heat out of its surroundings, the burning gas will suck lots of heat out of the beer.

59

00:03:27,000 --> 00:03:30,000

It's 65.4 degrees.

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00:03:30,000 --> 00:03:35,000

We want to bring it down to somewhere around 40 degrees or slightly under that.

61

00:03:35,000 --> 00:03:36,000

All right.

62

00:03:36,000 --> 00:03:38,000

Standing by the gasoline.

63

00:03:38,000 --> 00:03:39,000

Or is it right here?

64

00:03:39,000 --> 00:03:40,000

Yep.

65

00:03:41,000 --> 00:03:43,000

Yeah, I wouldn't want to put more than a quart in there.

66

00:03:43,000 --> 00:03:44,000

Okay.

67

00:03:44,000 --> 00:03:45,000

All right.

68

00:03:45,000 --> 00:03:46,000

Light it.

69

00:03:46,000 --> 00:03:49,000

Five, four, three, two, one.

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00:03:52,000 --> 00:03:54,000

Oh, that's spectacular.

71

00:03:55,000 --> 00:04:00,000

This thermometer we have under here is actually measuring the temperature of the sand about where

the beer is.

72

00:04:00,000 --> 00:04:02,000

It's now at 66 degrees.

73

00:04:02,000 --> 00:04:05,000

It's gone down about a quarter of a degree since the fire started.

74

00:04:08,000 --> 00:04:14,000

But maybe through some mysterious thermal exchange, the beer has become icy cold.

75

00:04:16,000 --> 00:04:19,000

68 degrees, so it has warmed it up.

76

00:04:19,000 --> 00:04:21,000

Or maybe not.

77

00:04:21,000 --> 00:04:26,000

So this technique yielded a warm gasoline-soaked sandy beer.

78

00:04:26,000 --> 00:04:30,000

This is pretty much the very last thing I want to bring near my lips at the beach.

79

00:04:30,000 --> 00:04:34,000

So the gas fire-cooled six-pack myth is busted.

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00:04:34,000 --> 00:04:36,000

But maybe there's a better way.

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00:04:36,000 --> 00:04:40,000

I bet there's some really nifty ways of chilling down a beer really quickly.

82

00:04:40,000 --> 00:04:47,000

I would have to agree, but I think we should start by getting a really good benchmark as to how long it takes a normal six-pack to cool down,

83

00:04:47,000 --> 00:04:50,000

like in a refrigerator, in a freezer, in a cooler.

84

00:04:50,000 --> 00:04:57,000

So why don't we do a bunch of trials on a six-pack and see what the standard cooling times are.

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00:04:57,000 --> 00:05:03,000

So in hot pursuit of the fastest way to chill a six-pack, the Mythbusters will compare several methods.

86

00:05:03,000 --> 00:05:05,000

The fridge and freezer, of course.

87

00:05:05,000 --> 00:05:08,000

And some more party-friendly options.

88

00:05:09,000 --> 00:05:14,000

Coolers with ice, ice and water, and ice, water and salt.

89

00:05:14,000 --> 00:05:17,000

Let me see if I can tell the difference between these two.

90

00:05:17,000 --> 00:05:21,000

Adding salt melts ice and lowers the water's freezing point.

91

00:05:21,000 --> 00:05:23,000

Yeah, I gotta say this one is more painful.

92

00:05:23,000 --> 00:05:26,000

So you get much colder water.

93

00:05:27,000 --> 00:05:29,000

Wow, the difference is really clear.

94

00:05:29,000 --> 00:05:32,000

The ice and water is 33 degrees.

95

00:05:32,000 --> 00:05:37,000

The ice, water and salt is 24 degrees.

96

00:05:37,000 --> 00:05:40,000

Well, I'll be darned.

97

00:05:40,000 --> 00:05:41,000

Chemistry at work.

98

00:05:41,000 --> 00:05:46,000

Let's see what a baseline room temperature of beer is.

99

00:05:50,000 --> 00:05:51,000

What do you know?

100

00:05:51,000 --> 00:05:53,000

It's the temperature of the room.

101

00:05:53,000 --> 00:05:56,000

62 degrees, that's exactly what we've got there.

102

00:05:56,000 --> 00:06:01,000

They'll time when each method reaches drinking temperature of between 37 and 40 degrees,

103

00:06:01,000 --> 00:06:04,000

checking the beer's temperature every five minutes.

104

00:06:04,000 --> 00:06:07,000

In much the same way a thirsty party-goer might.

105

00:06:07,000 --> 00:06:09,000

38 seconds, okay.

106

00:06:09,000 --> 00:06:11,000

Waiting another four minutes and 20 seconds.

107

00:06:11,000 --> 00:06:16,000

Which gives them just enough time to try a less conventional method.

108

00:06:19,000 --> 00:06:22,000

I can't see a damn thing, hold on.

109

00:06:22,000 --> 00:06:28,000

This kind of fire extinguisher is full of liquid carbon dioxide under pressure.

110

00:06:28,000 --> 00:06:31,000

When it's released, it expands into a gas,

111

00:06:31,000 --> 00:06:35,000

cooling the air around it and forming ice.

112

00:06:40,000 --> 00:06:43,000

Alright, so it's been about two, three minutes here.

113

00:06:43,000 --> 00:06:46,000

Let's see how much it cooled this beer down.

114

00:06:46,000 --> 00:06:48,000

It feels nice and frosty.

115

00:06:53,000 --> 00:06:55,000

37.

116

00:06:55,000 --> 00:06:58,000

37 degrees is actually a nearly ideal beer temperature.

117

00:06:58,000 --> 00:07:03,000

If you do have one and you're willing to spend maybe, you know,

118

00:07:03,000 --> 00:07:07,000

30 bucks on having your beer cooled now,

119

00:07:07,000 --> 00:07:11,000

then I guess you could do that and it's fairly effective.

120

00:07:13,000 --> 00:07:15,000

I'm sorry, what was that?

121

00:07:15,000 --> 00:07:19,000

So three minutes to drinking temperature fire extinguisher assist.

122

00:07:19,000 --> 00:07:23,000

How are the other tests doing after five minutes?

123

00:07:23,000 --> 00:07:28,000

Five, four, three, two, one, go.

124

00:07:28,000 --> 00:07:30,000

Okay.

125

00:07:30,000 --> 00:07:32,000

Popping out of beer.

126

00:07:39,000 --> 00:07:40,000

Wow.

127

00:07:40,000 --> 00:07:41,000

What?

128

00:07:41,000 --> 00:07:44,000

Salt water, 35.9 degrees.

129

00:07:44,000 --> 00:07:45,000

Wow!

130

00:07:45,000 --> 00:07:47,000

Salt water's done.

131

00:07:47,000 --> 00:07:48,000

Yeah.

132

00:07:48,000 --> 00:07:49,000

30, wait.

133

00:07:49,000 --> 00:07:53,000

The regular ice water, 44 degrees.

134

00:07:53,000 --> 00:07:54,000

Okay.

135

00:07:54,000 --> 00:07:57,000

And regular ice, 57 degrees.

136

00:07:57,000 --> 00:07:59,000

Four, how much?

137

00:07:59,000 --> 00:08:00,000

Cooler with ice, 57?

138

00:08:00,000 --> 00:08:01,000

Yeah.

139

00:08:01,000 --> 00:08:04,000

The freezer and fridge are at 55 and 60 degrees.

140

00:08:04,000 --> 00:08:07,000

So, party goes, if you've only got five minutes,

141

00:08:07,000 --> 00:08:10,000

salt water and ice is the answer.

142

00:08:10,000 --> 00:08:13,000

So the ice and water and salt is done.

143

00:08:13,000 --> 00:08:15,000

We're done with that.

144

00:08:15,000 --> 00:08:18,000

We've reached the target temperature and a little bit more.

145

00:08:18,000 --> 00:08:23,000

Science plus beer equals good.

146

00:08:23,000 --> 00:08:27,000

As for the rest, the cooler with ice and water was next best

147

00:08:27,000 --> 00:08:29,000

at 15 minutes.

148

00:08:29,000 --> 00:08:31,000

Then the freezer at 25.

149

00:08:31,000 --> 00:08:34,000

Just ice took half an hour.

150

00:08:34,000 --> 00:08:36,000

And if the fridge is your only hope,

151

00:08:36,000 --> 00:08:39,000

maybe invite the gang back tomorrow.

152

00:08:39,000 --> 00:08:42,000

Well, we got some not so impressive

153

00:08:42,000 --> 00:08:45,000

and some impressive times to cool down a six pack.

154

00:08:45,000 --> 00:08:48,000

But the CO2 fire extinguisher beat everything

155

00:08:48,000 --> 00:08:51,000

hands down at three minutes.

156

00:08:51,000 --> 00:08:54,000

Well, so are we going to be able to improve on these

157

00:08:54,000 --> 00:08:56,000

with our own little inventions?

158

00:08:56,000 --> 00:08:57,000

Well, that's our challenge.

159

00:08:57,000 --> 00:09:00,000

Can we build a device that can cool a six pack down

160

00:09:00,000 --> 00:09:02,000

in less than three minutes?

161

00:09:02,000 --> 00:09:05,000

Well, looks like it's back to the machine shop.

162

00:09:05,000 --> 00:09:07,000

Time to get to work.

163

00:09:08,000 --> 00:09:12,000

The MythBusters build team is on the trail of a mystery.

164

00:09:12,000 --> 00:09:17,000

A strange battery like jar that dates back 2,000 years.

165

00:09:17,000 --> 00:09:19,000

Could it be true?

166

00:09:19,000 --> 00:09:22,000

Was there ancient electricity?

167

00:09:22,000 --> 00:09:24,000

Wait a minute, we have...

168

00:09:24,000 --> 00:09:26,000

We've got a brighter...

169

00:09:26,000 --> 00:09:32,000

This myth hinges on a single credible,

170

00:09:32,000 --> 00:09:34,000

seemingly credible piece of archaeology

171

00:09:34,000 --> 00:09:36,000

in the 1930s.

172

00:09:36,000 --> 00:09:39,000

An urn was found in Baghdad and it dated to somewhere

173

00:09:39,000 --> 00:09:42,000

between 250 BC to 250 AD.

174

00:09:42,000 --> 00:09:47,000

And what they found in this urn was a copper pipe,

175

00:09:47,000 --> 00:09:49,000

an iron rod in the center.

176

00:09:49,000 --> 00:09:52,000

It had a cork made of asphalt at the top

177

00:09:52,000 --> 00:09:55,000

and residue of an acidic liquid on the inside.

178

00:09:55,000 --> 00:09:59,000

So all of these things point to this being an ancient battery.

179

00:09:59,000 --> 00:10:02,000

Is this a 2,000 year old battery?

180

00:10:02,000 --> 00:10:07,000

Supposedly batteries were only invented 200 years ago.

181

00:10:07,000 --> 00:10:11,000

It's an urn containing an iron rod inside a copper pipe,

182

00:10:11,000 --> 00:10:13,000

suspended in acid.

183

00:10:13,000 --> 00:10:17,000

To test this story, the build team will make their own.

184

00:10:17,000 --> 00:10:21,000

And if it works, try to find out what it might have been used for.

185

00:10:21,000 --> 00:10:23,000

First stop, the pots.

186

00:10:23,000 --> 00:10:25,000

Scott, have you ever tried to throw a pot before?

187

00:10:25,000 --> 00:10:27,000

No, I've never tried to throw a pot before.

188

00:10:27,000 --> 00:10:29,000

Scott, have you ever tried to throw a pot before?

189

00:10:29,000 --> 00:10:33,000

At a person or on a wheel.

190

00:10:33,000 --> 00:10:36,000

Obviously you're a pottery expert.

191

00:10:36,000 --> 00:10:38,000

I'd rather throw a china at Sharper.

192

00:10:38,000 --> 00:10:42,000

John DelWaugh cheerfully admits he doesn't know a darn thing

193

00:10:42,000 --> 00:10:44,000

about ancient batteries, but pots.

194

00:10:44,000 --> 00:10:47,000

I guess it would be that they're using terracotta,

195

00:10:47,000 --> 00:10:50,000

which is pretty much what they dig up out of the ground.

196

00:10:50,000 --> 00:10:53,000

So terracotta pottery 101 is in.

197

00:10:53,000 --> 00:10:55,000

I think I'm going to end up sweaty, messy

198

00:10:55,000 --> 00:10:58,000

with a really nice ashtray for my mom.

199

00:10:58,000 --> 00:11:01,000

Under John's guiding hand, they'll make pots

200

00:11:01,000 --> 00:11:05,000

six inches high with a one and a half inch hole in the top.

201

00:11:05,000 --> 00:11:07,000

Straight across the bottom.

202

00:11:07,000 --> 00:11:11,000

And yes, for the record, he does get asked about that movie,

203

00:11:11,000 --> 00:11:14,000

Ghost, all the time. So don't.

204

00:11:16,000 --> 00:11:18,000

I think this is a fun myth to do.

205

00:11:18,000 --> 00:11:20,000

I mean, we're using history.

206

00:11:20,000 --> 00:11:22,000

We're putting a little science to it.

207

00:11:22,000 --> 00:11:26,000

In the end, 10 terracotta pots get made.

208

00:11:26,000 --> 00:11:27,000

Look at my pot.

209

00:11:27,000 --> 00:11:29,000

Now to turn them into batteries.

210

00:11:29,000 --> 00:11:34,000

Remember, there was an iron bar and a copper tube inside the pots.

211

00:11:34,000 --> 00:11:36,000

And that matters because different metals

212

00:11:36,000 --> 00:11:38,000

have different electrical properties.

213

00:11:38,000 --> 00:11:41,000

First, we have two different kinds of metals here.

214

00:11:41,000 --> 00:11:45,000

Zinc. And this would be copper.

215

00:11:45,000 --> 00:11:49,000

And they work as electrodes and lemon works as an electrolyte.

216

00:11:49,000 --> 00:11:52,000

So here's our little voltmeter.

217

00:11:54,000 --> 00:11:57,000

And see if we can get some sort of charge out of this lemon.

218

00:11:57,000 --> 00:12:00,000

This is a classic school science experiment.

219

00:12:00,000 --> 00:12:04,000

The acidic lemon juice is stripping electrons off the copper

220

00:12:04,000 --> 00:12:07,000

and they're flowing to the zinc, creating an electric current.

221

00:12:07,000 --> 00:12:11,000

It looks like we're getting almost a bolt out of just this lemon.

222

00:12:11,000 --> 00:12:15,000

The problem is Baghdad battery said that they used iron and copper.

223

00:12:15,000 --> 00:12:19,000

So I'm going to see if you can possibly get a charge with these two metals.

224

00:12:19,000 --> 00:12:23,000

What? It's substantially less.

225

00:12:23,000 --> 00:12:27,000

You get about a third of the volts you can get with zinc

226

00:12:27,000 --> 00:12:29,000

because you can get with iron.

227

00:12:29,000 --> 00:12:32,000

So the iron-powered battery makes a lemon look good.

228

00:12:32,000 --> 00:12:36,000

The results are similar with other possible ancient acids

229

00:12:36,000 --> 00:12:38,000

like grape juice and vinegar.

230

00:12:38,000 --> 00:12:42,000

From the grape juice, we are getting .89.

231

00:12:42,000 --> 00:12:47,000

But ever the optimists, the bill team goes into mass construction mode.

232

00:12:59,000 --> 00:13:02,000

That is beautiful.

233

00:13:04,000 --> 00:13:07,000

Lemon juice stings when it gets in your eye.

234

00:13:07,000 --> 00:13:11,000

That's a nice, tight fit.

235

00:13:11,000 --> 00:13:14,000

Now I'm going to test the voltage.

236

00:13:15,000 --> 00:13:20,000

.269. That's not a lot.

237

00:13:20,000 --> 00:13:23,000

The lemon gave us more than that.

238

00:13:23,000 --> 00:13:27,000

A third of a volt. A shocker by any definition.

239

00:13:27,000 --> 00:13:29,000

Oh wait, yeah, that was a little bit of a shock.

240

00:13:29,000 --> 00:13:31,000

How do you think they would get this idea?

241

00:13:31,000 --> 00:13:33,000

Okay, I'm going to take this clay pot.

242

00:13:33,000 --> 00:13:36,000

I'm going to stick an iron rod in the center

243

00:13:36,000 --> 00:13:38,000

and then I'm going to make a plug, a pitch,

244

00:13:38,000 --> 00:13:41,000

and put a copper tube around the outside

245

00:13:41,000 --> 00:13:44,000

and get it to do absolutely nothing.

246

00:13:46,000 --> 00:13:51,000

Perhaps they'll do better by wiring all ten of their new batteries together.

247

00:13:51,000 --> 00:13:54,000

Alright, here comes the moment of truth.

248

00:13:57,000 --> 00:13:59,000

Wait a minute, we have...

249

00:13:59,000 --> 00:14:03,000

Holy, we have four volts!

250

00:14:05,000 --> 00:14:06,000

We did it.

251

00:14:06,000 --> 00:14:09,000

A picture of efficiency this ain't.

252

00:14:09,000 --> 00:14:11,000

As big as a rack of bowling balls,

253

00:14:11,000 --> 00:14:14,000

as powerful as a half-dead flashlight.

254

00:14:14,000 --> 00:14:17,000

But it is a battery, an ancient battery.

255

00:14:17,000 --> 00:14:20,000

And now the question needs to be answered,

256

00:14:20,000 --> 00:14:22,000

what was it used for?

257

00:14:27,000 --> 00:14:30,000

The Mythbusters are turning their collective brain power

258

00:14:30,000 --> 00:14:33,000

to the needs of the party going public.

259

00:14:33,000 --> 00:14:38,000

And they make a machine to chill a six-pack in under three minutes.

260

00:14:38,000 --> 00:14:41,000

Adam's idea is a kind of chilling funnel,

261

00:14:41,000 --> 00:14:44,000

a copper tube coiling through dry ice.

262

00:14:56,000 --> 00:14:59,000

You pour the beer in here, we'll have a funnel here,

263

00:14:59,000 --> 00:15:02,000

and it'll go through the coil and come out here,

264

00:15:02,000 --> 00:15:05,000

and that's really the perfect temperature.

265

00:15:05,000 --> 00:15:08,000

Jamie, meanwhile, is taking a different approach.

266

00:15:08,000 --> 00:15:10,000

By heating up a metal sheet...

267

00:15:10,000 --> 00:15:12,000

It's much softer.

268

00:15:12,000 --> 00:15:15,000

He's able to bend it around into a tight coil.

269

00:15:17,000 --> 00:15:20,000

It's not real neat, but there's a lot of surface area in there,

270

00:15:20,000 --> 00:15:25,000

and so what I'm intending to do is first dip this into liquid nitrogen

271

00:15:25,000 --> 00:15:27,000

and then into the beer.

272

00:15:27,000 --> 00:15:29,000

It's called a heat sink.

273

00:15:29,000 --> 00:15:31,000

The cooled metal will be dipped into the beer,

274

00:15:31,000 --> 00:15:33,000

drawing out the heat,

275

00:15:33,000 --> 00:15:36,000

and hopefully leaving it perfectly chilled.

276

00:15:36,000 --> 00:15:38,000

Look at that!

277

00:15:40,000 --> 00:15:42,000

You didn't shake these up, did you?

278

00:15:42,000 --> 00:15:44,000

No, I promise.

279

00:15:44,000 --> 00:15:46,000

I didn't.

280

00:15:46,000 --> 00:15:48,000

No, I swear.

281

00:15:48,000 --> 00:15:50,000

Now I know you won't believe me, I had to goof the camera.

282

00:15:50,000 --> 00:15:52,000

That's cool, how did you do that?

283

00:15:52,000 --> 00:15:55,000

I know you don't necessarily appreciate the competition thing,

284

00:15:55,000 --> 00:15:59,000

but I have to say, it's never not entertaining to me

285

00:15:59,000 --> 00:16:03,000

to see how different the solutions you and I can come up with are.

286

00:16:03,000 --> 00:16:06,000

I mean, it's always really fascinating.

287

00:16:06,000 --> 00:16:11,000

What will be fascinating is seeing if either of these ideas actually work.

288

00:16:11,000 --> 00:16:14,000

The sound of metal...

289

00:16:19,000 --> 00:16:21,000

This is the sound metal makes against dry ice.

290

00:16:26,000 --> 00:16:29,000

I've got a room temperature beer,

291

00:16:29,000 --> 00:16:31,000

I've got an empty glass,

292

00:16:31,000 --> 00:16:34,000

which I'm going to put under here,

293

00:16:34,000 --> 00:16:38,000

and I've got to attach my funnel.

294

00:16:38,000 --> 00:16:41,000

Timing... now.

295

00:16:41,000 --> 00:16:47,000

So warm beer goes in here and should come out cold here.

296

00:16:47,000 --> 00:16:49,000

Interesting.

297

00:16:50,000 --> 00:16:53,000

Come on, come on.

298

00:16:57,000 --> 00:17:02,000

All right, well, I see that the first problem I have is actually I got the beer too cold.

299

00:17:02,000 --> 00:17:09,000

My coil is so cold, I can tell that it's probably freezing the beer on its way down,

300

00:17:09,000 --> 00:17:12,000

which is why it doesn't just immediately start pouring out.

301

00:17:12,000 --> 00:17:15,000

Now that is one cold beer.

302

00:17:15,000 --> 00:17:18,000

It's at 32 degrees.

303

00:17:18,000 --> 00:17:23,000

I mean, it's ice, ice, cold, baby.

304

00:17:23,000 --> 00:17:28,000

Well, I've finished my beer chiller and put a handle on it, so I won't chill my hands.

305

00:17:28,000 --> 00:17:32,000

And the idea is that this will get dipped into either liquid nitrogen

306

00:17:32,000 --> 00:17:35,000

or some other substance that will cool it down, then I'll dip this in a beer.

307

00:17:35,000 --> 00:17:38,000

Liquid nitrogen, the bartender's friend.

308

00:17:38,000 --> 00:17:42,000

Its temperature is a brisk minus 320 degrees.

309

00:17:42,000 --> 00:17:44,000

Okay.

310

00:17:44,000 --> 00:17:47,000

Ooh, everything's creaking.

311

00:18:05,000 --> 00:18:08,000

Bummer.

312

00:18:09,000 --> 00:18:12,000

It only took it down a few degrees.

313

00:18:12,000 --> 00:18:16,000

I think most of the beer ended up right there.

314

00:18:16,000 --> 00:18:20,000

I guess I got to leave it in there for a little while longer.

315

00:18:20,000 --> 00:18:25,000

It seems as bartenders Jamie and Adam make very good myth busters.

316

00:18:25,000 --> 00:18:29,000

They've both got work to do before the final chill-off.

317

00:18:29,000 --> 00:18:32,000

All right, let's try this again.

318

00:18:33,000 --> 00:18:39,000

The Build Team has made its ancient batteries.

319

00:18:39,000 --> 00:18:44,000

They're weak, but the challenge now is to find out what they might have been used for.

320

00:18:44,000 --> 00:18:48,000

Well, through our research, we've actually come up with three different possibilities

321

00:18:48,000 --> 00:18:51,000

of what this electricity could have been used for.

322

00:18:51,000 --> 00:18:53,000

One of them is electroplating.

323

00:18:53,000 --> 00:18:55,000

Well, good work.

324

00:18:55,000 --> 00:18:58,000

Well, the next one is pain relief through acupuncture needles,

325

00:18:58,000 --> 00:19:02,000

and the third is experiencing God.

326

00:19:02,000 --> 00:19:04,000

Well, that one sounds the most likely to me.

327

00:19:04,000 --> 00:19:08,000

I mean, you've got this weird stuff that's, look what happens, you know,

328

00:19:08,000 --> 00:19:09,000

it can give you a shock.

329

00:19:09,000 --> 00:19:11,000

They're not going to understand where it's from,

330

00:19:11,000 --> 00:19:14,000

and so put it to some religious use.

331

00:19:14,000 --> 00:19:19,000

Clearly, there was some serious head scratching going on in the research department,

332

00:19:19,000 --> 00:19:20,000

but so be it.

333

00:19:20,000 --> 00:19:23,000

The Build Team will test the ancient batteries' potential

334

00:19:23,000 --> 00:19:29,000

for electroplating, pain relief, and divine intervention.

335

00:19:29,000 --> 00:19:31,000

First, electroplating.

336

00:19:31,000 --> 00:19:35,000

It uses an electric current to coat a metal object with another metal

337

00:19:35,000 --> 00:19:41,000

by drawing particles out of a salt solution.

338

00:19:41,000 --> 00:19:45,000

In this case, coating copper with zinc.

339

00:19:45,000 --> 00:19:48,000

Some of the ancient batteries will provide the charge.

340

00:19:48,000 --> 00:19:51,000

You can see the little bubbles forming.

341

00:19:51,000 --> 00:19:53,000

I'm pretty sure that means it's working.

342

00:19:53,000 --> 00:19:56,000

They'll leave the electroplating overnight

343

00:19:56,000 --> 00:20:00,000

and use the time to check out the second possibility, pain relief.

344

00:20:00,000 --> 00:20:01,000

Do you feel a hurt?

345

00:20:01,000 --> 00:20:02,000

In the needle?

346

00:20:02,000 --> 00:20:03,000

Uh-huh.

347

00:20:03,000 --> 00:20:05,000

That wasn't too bad.

348

00:20:05,000 --> 00:20:10,000

Therapeutic acupuncture has been around for more than 2,000 years.

349

00:20:10,000 --> 00:20:15,000

For the last 50 years or so, a low-voltage, pulsing electrical current

350

00:20:15,000 --> 00:20:18,000

has been added to help relieve pain.

351

00:20:19,000 --> 00:20:20,000

Oh, something.

352

00:20:20,000 --> 00:20:22,000

I feel my chi moving.

353

00:20:22,000 --> 00:20:23,000

My chi is moving.

354

00:20:23,000 --> 00:20:27,000

So, used correctly, electricity does seem to offer pain relief.

355

00:20:27,000 --> 00:20:29,000

But what about the ancient batteries?

356

00:20:29,000 --> 00:20:31,000

Are they even safe?

357

00:20:31,000 --> 00:20:34,000

I got to worry something.

358

00:20:34,000 --> 00:20:37,000

Never try this kind of battery.

359

00:20:37,000 --> 00:20:38,000

Look, speak.

360

00:20:38,000 --> 00:20:42,000

I would rather you put my arm first.

361

00:20:42,000 --> 00:20:43,000

All right.

362

00:20:43,000 --> 00:20:44,000

Yeah.

363

00:20:44,000 --> 00:20:45,000

Yeah?

364

00:20:45,000 --> 00:20:47,000

The inside.

365

00:20:47,000 --> 00:20:48,000

The inside.

366

00:20:48,000 --> 00:20:51,000

Put it harder.

367

00:20:51,000 --> 00:20:55,000

So, having put himself on the line with no ill effects,

368

00:20:55,000 --> 00:20:58,000

Dr. Han agrees to jump-start Scotty.

369

00:21:00,000 --> 00:21:02,000

Did you feel it?

370

00:21:02,000 --> 00:21:03,000

Yeah.

371

00:21:03,000 --> 00:21:05,000

I do feel it, totally.

372

00:21:05,000 --> 00:21:07,000

What do you feel?

373

00:21:09,000 --> 00:21:11,000

It's kind of like the other one, but it's more random.

374

00:21:11,000 --> 00:21:12,000

It's like...

375

00:21:14,000 --> 00:21:15,000

Wow!

376

00:21:15,000 --> 00:21:17,000

The top one's kind of burning.

377

00:21:17,000 --> 00:21:19,000

Maybe we should take it off.

378

00:21:19,000 --> 00:21:20,000

Ow!

379

00:21:20,000 --> 00:21:21,000

Take the top one off.

380

00:21:21,000 --> 00:21:23,000

Maybe it's the take-off.

381

00:21:23,000 --> 00:21:25,000

Yes, take it off.

382

00:21:25,000 --> 00:21:26,000

Ow!

383

00:21:28,000 --> 00:21:30,000

The top one started heating up,

384

00:21:30,000 --> 00:21:33,000

like getting, started feeling like a needle being poked in

385

00:21:33,000 --> 00:21:34,000

further and further.

386

00:21:34,000 --> 00:21:37,000

There was no harm done, but what did they learn?

387

00:21:37,000 --> 00:21:40,000

I could see maybe using it as a torture device.

388

00:21:40,000 --> 00:21:43,000

I think that it's possible that this is what they were using

389

00:21:43,000 --> 00:21:44,000

that battery for.

390

00:21:44,000 --> 00:21:47,000

I know that maybe it may not be used in this manner,

391

00:21:47,000 --> 00:21:50,000

but I really do think that people did use shock

392

00:21:50,000 --> 00:21:52,000

in muscles to stimulate them.

393

00:21:55,000 --> 00:21:58,000

Adam and Janie are facing the beer challenge.

394

00:21:58,000 --> 00:22:02,000

Build a machine to cool a six-pack to below 40 degrees

395

00:22:02,000 --> 00:22:04,000

in less than three minutes.

396

00:22:04,000 --> 00:22:07,000

Adam's coiled a copper pipe through dry ice.

397

00:22:07,000 --> 00:22:11,000

Warm beer in the top, hopefully cold brew out the bottom.

398

00:22:12,000 --> 00:22:14,000

Come on, come on.

399

00:22:17,000 --> 00:22:20,000

Jamie's made a heat sink, a spiral metal plate

400

00:22:20,000 --> 00:22:24,000

which he'll dip in liquid nitrogen before dunking in the beer.

401

00:22:26,000 --> 00:22:29,000

For the final test, they've returned to the bar,

402

00:22:29,000 --> 00:22:32,000

where beer oracle Fritz will be judged.

403

00:22:32,000 --> 00:22:33,000

Adam will go first.

404

00:22:33,000 --> 00:22:37,000

Alright, so I found the dry ice just made the coil too cold,

405

00:22:37,000 --> 00:22:40,000

so I'm actually going to add real ice.

406

00:22:42,000 --> 00:22:43,000

Oh!

407

00:22:46,000 --> 00:22:49,000

That's real ice around the coil and some salt.

408

00:22:51,000 --> 00:22:54,000

This thing's going to leak all over the bar and it already is.

409

00:22:54,000 --> 00:22:56,000

Three, two, one, go!

410

00:23:03,000 --> 00:23:05,000

Come on, come on, come on, come on.

411

00:23:12,000 --> 00:23:15,000

30 seconds.

412

00:23:15,000 --> 00:23:17,000

30 seconds!

413

00:23:20,000 --> 00:23:22,000

I have to go to the bathroom.

414

00:23:26,000 --> 00:23:27,000

Alright, here we go.

415

00:23:27,000 --> 00:23:29,000

Testing the temperature.

416

00:23:29,000 --> 00:23:30,000

It's still flowing.

417

00:23:30,000 --> 00:23:32,000

Aw, man!

418

00:23:33,000 --> 00:23:35,000

My ice only got it to 46 degrees.

419

00:23:35,000 --> 00:23:37,000

That won't cut it.

420

00:23:42,000 --> 00:23:45,000

I drink it, but it's not real cold.

421

00:23:45,000 --> 00:23:49,000

Adam's cooler has failed the Fritzi test,

422

00:23:49,000 --> 00:23:51,000

well over a minute for one can,

423

00:23:51,000 --> 00:23:54,000

and the beer was 10 degrees too warm.

424

00:23:54,000 --> 00:23:56,000

Now it's Jamie's turn.

425

00:23:56,000 --> 00:23:58,000

You ready for the liquid nitrogen?

426

00:23:58,000 --> 00:23:59,000

Yes, I am.

427

00:23:59,000 --> 00:24:02,000

If you'll grab one side, I'll do the tip.

428

00:24:02,000 --> 00:24:05,000

I like that rig, but it's kind of spooky.

429

00:24:06,000 --> 00:24:09,000

Let's see what it does to a beer.

430

00:24:09,000 --> 00:24:13,000

In three, two, one, go!

431

00:24:18,000 --> 00:24:20,000

Jamie!

432

00:24:21,000 --> 00:24:23,000

You didn't tell us about that far.

433

00:24:23,000 --> 00:24:24,000

I just did.

434

00:24:24,000 --> 00:24:26,000

It's not quite that bad.

435

00:24:26,000 --> 00:24:28,000

That's shocking.

436

00:24:28,000 --> 00:24:29,000

17 seconds.

437

00:24:29,000 --> 00:24:31,000

20 seconds.

438

00:24:31,000 --> 00:24:33,000

Did you just freeze the whole beer?

439

00:24:33,000 --> 00:24:37,000

Well, the last time I lowered it in a little bit more gingerly,

440

00:24:37,000 --> 00:24:39,000

this time it foamed it up quite good.

441

00:24:39,000 --> 00:24:40,000

That's amazing.

442

00:24:40,000 --> 00:24:44,000

So you're in again with a perfectly cold one-third of a beer.

443

00:24:45,000 --> 00:24:47,000

There you go.

444

00:24:52,000 --> 00:24:53,000

I don't think it quite got it.

445

00:24:53,000 --> 00:24:55,000

I don't think you quite got it.

446

00:24:55,000 --> 00:24:57,000

I think it's a little bit cooler.

447

00:24:58,000 --> 00:25:00,000

I don't think it quite got it.

448

00:25:00,000 --> 00:25:01,000

I don't think you quite got it.

449

00:25:01,000 --> 00:25:04,000

Looks like you're at around 43 degrees at a minute 15.

450

00:25:04,000 --> 00:25:06,000

Why don't you let Fritzi try this?

451

00:25:06,000 --> 00:25:09,000

Well, Fritzi, are you ready to try my super chilled beer?

452

00:25:09,000 --> 00:25:11,000

I can't wait. There's chunks of ice in it.

453

00:25:11,000 --> 00:25:13,000

Good gosh.

454

00:25:18,000 --> 00:25:20,000

Big stick, no love.

455

00:25:20,000 --> 00:25:22,000

It's not real warm. I mean, it's not real cold.

456

00:25:24,000 --> 00:25:26,000

Colder than that one, though.

457

00:25:26,000 --> 00:25:30,000

Much as I don't mind having an excuse to have a beer in the morning,

458

00:25:30,000 --> 00:25:32,000

I'm actually a little disappointed with us in this one.

459

00:25:32,000 --> 00:25:35,000

This is one of the very first times we've actually failed

460

00:25:35,000 --> 00:25:38,000

at building a device that performed up to our expectations.

461

00:25:38,000 --> 00:25:42,000

Yeah, well, we did come up with the CO2 fire extinguisher approach,

462

00:25:42,000 --> 00:25:44,000

and that worked better than anything by far.

463

00:25:44,000 --> 00:25:47,000

I'll give us that, but for the record,

464

00:25:47,000 --> 00:25:51,000

burying a six pack, pouring gasoline on it, and setting it on fire?

465

00:25:52,000 --> 00:25:54,000

Yep, totally busted. It's a bad idea.

466

00:25:54,000 --> 00:25:56,000

It's dangerous. It pollutes.

467

00:25:56,000 --> 00:25:58,000

Not the way to chill your beer.

468

00:26:02,000 --> 00:26:04,000

The mythbusters are fulfilling a promise.

469

00:26:04,000 --> 00:26:07,000

They made it to Cadillac Bend way back

470

00:26:07,000 --> 00:26:10,000

when he donated Earl the Caddy to the show.

471

00:26:10,000 --> 00:26:13,000

You saw us on TV and you figured, I'll take it to them.

472

00:26:13,000 --> 00:26:15,000

They'll blow it up.

473

00:26:15,000 --> 00:26:17,000

I was hoping it.

474

00:26:17,000 --> 00:26:19,000

We will do our best.

475

00:26:19,000 --> 00:26:22,000

They tried by shooting Earl's gas tank.

476

00:26:22,000 --> 00:26:23,000

No luck.

477

00:26:23,000 --> 00:26:25,000

And now Jamie has a hankering.

478

00:26:25,000 --> 00:26:28,000

Well, I've destroyed a few cars in my day,

479

00:26:28,000 --> 00:26:31,000

but I have never dropped one from the top of a very tall crane.

480

00:26:31,000 --> 00:26:34,000

So Jamie's got an itch, but there's a hitch.

481

00:26:34,000 --> 00:26:37,000

They want Buster along for the ride.

482

00:26:37,000 --> 00:26:40,000

And frankly, he's not up to the challenge.

483

00:26:40,000 --> 00:26:43,000

Before Earl gets dropped, the mythbusters have a mission.

484

00:26:43,000 --> 00:26:46,000

I think it's time we rebuild him from the ground up.

485

00:26:46,000 --> 00:26:49,000

Well, you know, I wouldn't have necessarily thought it was possible

486

00:26:49,000 --> 00:26:51,000

when we started the season with him,

487

00:26:51,000 --> 00:26:56,000

but after having gone inside his mechanic so many times to rebuild him,

488

00:26:56,000 --> 00:26:59,000

I feel like we could build him a completely new skeleton

489

00:26:59,000 --> 00:27:01,000

and completely new body.

490

00:27:01,000 --> 00:27:05,000

Crash test dummies are designed for impacts up to 80 Gs.

491

00:27:05,000 --> 00:27:08,000

Buster's taken five times that.

492

00:27:08,000 --> 00:27:13,000

Buster 2.0 will be tougher and easier to repair.

493

00:27:13,000 --> 00:27:16,000

There was a sneak preview in the Buster special,

494

00:27:16,000 --> 00:27:19,000

but now the nuts and bolts of his rebuild.

495

00:27:24,000 --> 00:27:25,000

First, the skeleton.

496

00:27:25,000 --> 00:27:28,000

His new joints are shaped out of cast aluminum,

497

00:27:28,000 --> 00:27:31,000

and the bones between are poplar wood.

498

00:27:37,000 --> 00:27:40,000

Turns out that breaks at a similar pressure to human bones.

499

00:27:40,000 --> 00:27:42,000

So when Earl hits the deck,

500

00:27:42,000 --> 00:27:45,000

they'll know what really would have broken in a person.

501

00:27:54,000 --> 00:27:55,000

Hey, Jamie.

502

00:27:55,000 --> 00:27:56,000

Yeah.

503

00:27:56,000 --> 00:27:57,000

Check this out.

504

00:28:03,000 --> 00:28:06,000

Well, that's not bad for today's work.

505

00:28:06,000 --> 00:28:09,000

Yeah, it's actually quite beautiful, I think.

506

00:28:10,000 --> 00:28:14,000

The key things that make this Buster better are that

507

00:28:14,000 --> 00:28:19,000

he's constructed almost entirely out of blocks of aluminum

508

00:28:19,000 --> 00:28:21,000

that are really quite massive,

509

00:28:21,000 --> 00:28:24,000

and so they're going to be very strong.

510

00:28:24,000 --> 00:28:27,000

They'll take a good impact without breaking or jamming.

511

00:28:27,000 --> 00:28:30,000

All of the components are loose fitting, again,

512

00:28:30,000 --> 00:28:35,000

so that on impact or anything like that, that they won't jam.

513

00:28:35,000 --> 00:28:38,000

And then lastly, it's all made so that

514

00:28:38,000 --> 00:28:41,000

anything that does get broken or messed up,

515

00:28:41,000 --> 00:28:44,000

we can get to it really quickly and easily

516

00:28:44,000 --> 00:28:47,000

make another part without any fussing.

517

00:28:48,000 --> 00:28:49,000

Well, what's next?

518

00:28:49,000 --> 00:28:51,000

Well, yeah, I think it's time to figure out

519

00:28:51,000 --> 00:28:54,000

what kind of actual flesh body to put on him.

520

00:28:54,000 --> 00:28:57,000

Well, I know of a really tough silicon rubber.

521

00:28:57,000 --> 00:28:58,000

It's called Dragon Skin,

522

00:28:58,000 --> 00:29:01,000

and so when it comes to silicon rubber, I'm your guy.

523

00:29:01,000 --> 00:29:04,000

I think we can take care of that pretty easily.

524

00:29:04,000 --> 00:29:05,000

We only have a couple of days,

525

00:29:05,000 --> 00:29:09,000

so I'm thinking actually foam carvings, vacuum form molds,

526

00:29:09,000 --> 00:29:11,000

knock them all out in one big pour.

527

00:29:11,000 --> 00:29:13,000

It's a lot of silicone, but I think we can do it.

528

00:29:13,000 --> 00:29:16,000

So to put meat on Buster's new bones,

529

00:29:16,000 --> 00:29:20,000

first Adam will make foam carvings of each body part.

530

00:29:20,000 --> 00:29:23,000

They'll use those to make plastic molds

531

00:29:23,000 --> 00:29:25,000

and fill them with silicon rubber.

532

00:29:32,000 --> 00:29:33,000

Years of model making

533

00:29:33,000 --> 00:29:37,000

means hand carving an entire human body, no problem.

534

00:29:37,000 --> 00:29:41,000

Well, I am actually making some of the first foam body parts

535

00:29:41,000 --> 00:29:45,000

for our new Buster, which will then be molded

536

00:29:45,000 --> 00:29:46,000

and cast in rubber.

537

00:29:46,000 --> 00:29:50,000

So this is actually New Buster's calf.

538

00:29:50,000 --> 00:29:53,000

So far so good, but New Buster's belly

539

00:29:53,000 --> 00:29:55,000

has them chewing the fat.

540

00:29:56,000 --> 00:29:59,000

Didn't Buster have a little bit more definition than that?

541

00:29:59,000 --> 00:30:01,000

He looks a little kind of blobby.

542

00:30:01,000 --> 00:30:04,000

I'm giving him a little more definition now.

543

00:30:04,000 --> 00:30:07,000

You know, I just thought if he had some love handles,

544

00:30:07,000 --> 00:30:08,000

it wouldn't be so bad.

545

00:30:08,000 --> 00:30:10,000

I mean, you're trying to make him look like you.

546

00:30:10,000 --> 00:30:12,000

Yeah. Why not?

547

00:30:12,000 --> 00:30:14,000

I can make him in my own image.

548

00:30:15,000 --> 00:30:17,000

Now I'm going off the Jamie model.

549

00:30:17,000 --> 00:30:19,000

The Greek God.

550

00:30:22,000 --> 00:30:23,000

A Greek God?

551

00:30:23,000 --> 00:30:26,000

There's a form worth preserving in plastic.

552

00:30:26,000 --> 00:30:27,000

Yeah, what's going to happen here

553

00:30:27,000 --> 00:30:30,000

is we're going to melt this plastic right above my head.

554

00:30:30,000 --> 00:30:32,000

We're going to heat it up until it's really

555

00:30:32,000 --> 00:30:34,000

flippy floppy like a piece of cloth.

556

00:30:34,000 --> 00:30:38,000

Then we are going to lower it down over these forms,

557

00:30:38,000 --> 00:30:41,000

turn on a vacuum under this table.

558

00:30:41,000 --> 00:30:43,000

It's called vacuum forming.

559

00:30:43,000 --> 00:30:45,000

And the plastic will cool down

560

00:30:45,000 --> 00:30:47,000

and take the shape of these forms,

561

00:30:47,000 --> 00:30:50,000

which will then become our molds.

562

00:30:52,000 --> 00:30:53,000

Look at that.

563

00:30:54,000 --> 00:30:56,000

Adam quite likes this part.

564

00:30:56,000 --> 00:31:00,000

Oh, that's beautiful.

565

00:31:03,000 --> 00:31:05,000

Oh, that's beautiful.

566

00:31:06,000 --> 00:31:07,000

Nice.

567

00:31:10,000 --> 00:31:11,000

Mold-making stuff.

568

00:31:11,000 --> 00:31:14,000

Now, enter the dragon skin.

569

00:31:14,000 --> 00:31:17,000

Looks like we're making crash test dummy custard.

570

00:31:17,000 --> 00:31:19,000

Are we making the world's largest jello dummy here?

571

00:31:19,000 --> 00:31:23,000

No, this is a mix of polyorganosiloxanes

572

00:31:23,000 --> 00:31:25,000

and amorphous silica.

573

00:31:25,000 --> 00:31:27,000

That doesn't sound very appetizing.

574

00:31:27,000 --> 00:31:29,000

No, it'd be a little tough and chewy, I think.

575

00:31:29,000 --> 00:31:31,000

This stuff is tough.

576

00:31:31,000 --> 00:31:35,000

When it sets, it'll be able to withstand almost any impact

577

00:31:35,000 --> 00:31:39,000

and won't burn, even under a blow torch.

578

00:31:39,000 --> 00:31:42,000

Buster will be one tough pink ombre.

579

00:31:42,000 --> 00:31:45,000

I don't like the pink. It's a little creepy.

580

00:31:45,000 --> 00:31:48,000

Yeah, it's a little creepy, but so is what we do to Buster.

581

00:31:50,000 --> 00:31:52,000

Maybe you'll get a sun tan after a while.

582

00:31:53,000 --> 00:31:56,000

So this is the last bit of rubber going into

583

00:31:56,000 --> 00:31:58,000

New Buster's chest right now.

584

00:31:59,000 --> 00:32:03,000

And we should be pulling him out of his molds later on today,

585

00:32:03,000 --> 00:32:05,000

if we're lucky.

586

00:32:11,000 --> 00:32:13,000

Back at the ancient battery testing,

587

00:32:13,000 --> 00:32:16,000

Carrie's electroplating has been cooking all night.

588

00:32:16,000 --> 00:32:17,000

Look at this.

589

00:32:17,000 --> 00:32:19,000

Wow! Look at that. It worked.

590

00:32:20,000 --> 00:32:21,000

I can't believe this.

591

00:32:21,000 --> 00:32:24,000

Baghdad batteries completely electroplated our medallion.

592

00:32:24,000 --> 00:32:25,000

That is cool.

593

00:32:25,000 --> 00:32:27,000

Well, this actually proves something for us.

594

00:32:27,000 --> 00:32:29,000

Right here, if we...

595

00:32:29,000 --> 00:32:31,000

By the fact that we could electroplate with the Baghdad batteries

596

00:32:31,000 --> 00:32:33,000

means that's a possible use.

597

00:32:33,000 --> 00:32:35,000

That's a possible reason for why these batteries might exist.

598

00:32:35,000 --> 00:32:37,000

Yeah, cool.

599

00:32:39,000 --> 00:32:42,000

If Tarry seems underwhelmed by this resounding success,

600

00:32:42,000 --> 00:32:45,000

well, he's got a lot on his mind.

601

00:32:46,000 --> 00:32:48,000

Oh, look at that.

602

00:32:48,000 --> 00:32:51,000

Remember, the third possible application the research team

603

00:32:51,000 --> 00:32:54,000

came up with for the batteries was for invoking

604

00:32:54,000 --> 00:32:56,000

a religious experience.

605

00:32:56,000 --> 00:32:58,000

It's quite a big job.

606

00:32:58,000 --> 00:33:01,000

Exodus 2510.

607

00:33:01,000 --> 00:33:04,000

And they shall make an arc of shit and wood

608

00:33:04,000 --> 00:33:07,000

to keep it in half the height.

609

00:33:07,000 --> 00:33:11,000

If we keep it in half the breadth goal.

610

00:33:11,000 --> 00:33:16,000

Okay, well, I guess I got some stuff to work on.

611

00:33:17,000 --> 00:33:20,000

Using instruction from the good book itself,

612

00:33:20,000 --> 00:33:24,000

Tarry is building the Biblical Arc of the Covenant.

613

00:33:24,000 --> 00:33:26,000

What are you making?

614

00:33:26,000 --> 00:33:28,000

I'm building the arc of the Covenant.

615

00:33:28,000 --> 00:33:30,000

Well, a replica.

616

00:33:31,000 --> 00:33:34,000

Because it's not the real thing.

617

00:33:41,000 --> 00:33:44,000

But the fun hasn't even started yet.

618

00:33:44,000 --> 00:33:47,000

On top will be two golden angels,

619

00:33:47,000 --> 00:33:50,000

which are Carrie's domain.

620

00:33:58,000 --> 00:34:02,000

Jamie and Adam aren't they little angels?

621

00:34:02,000 --> 00:34:05,000

The arc is painted gold.

622

00:34:05,000 --> 00:34:08,000

The angels covered in gold leaf.

623

00:34:09,000 --> 00:34:11,000

They plan to connect the batteries

624

00:34:11,000 --> 00:34:13,000

and shock an unsuspecting victim.

625

00:34:13,000 --> 00:34:16,000

But it takes 100 volts to produce a noticeable zap.

626

00:34:16,000 --> 00:34:19,000

They just don't have enough juice.

627

00:34:19,000 --> 00:34:22,000

All right, so basically those Baghdad batteries

628

00:34:22,000 --> 00:34:25,000

aren't going to give us the voltage that we need to shock Adam.

629

00:34:25,000 --> 00:34:30,000

So what I'm going to do is I'm going to hook up the red snapper.

630

00:34:30,000 --> 00:34:34,000

It's the cattle prodding, the cattle electrified fence device.

631

00:34:34,000 --> 00:34:36,000

We used this earlier.

632

00:34:36,000 --> 00:34:38,000

I'm going to hook this up to the angels,

633

00:34:38,000 --> 00:34:41,000

and hopefully this will give us a shock that we need.

634

00:34:41,000 --> 00:34:45,000

They used the same gadget for the third rail revisit.

635

00:34:45,000 --> 00:34:49,000

There we go. I got to see a hundred.

636

00:34:49,000 --> 00:34:52,000

It was nothing. It was nothing.

637

00:34:52,000 --> 00:34:55,000

It seemed harmless enough then.

638

00:34:55,000 --> 00:34:56,000

Okay, let me try it.

639

00:34:56,000 --> 00:34:58,000

We want a really decent shock.

640

00:34:58,000 --> 00:35:00,000

We want Adam's hair to stand up on it.

641

00:35:00,000 --> 00:35:02,000

But his hair is so short.

642

00:35:07,000 --> 00:35:11,000

We can't do that to Adam.

643

00:35:11,000 --> 00:35:15,000

Somehow back then Adam must have avoided the full jolt.

644

00:35:15,000 --> 00:35:20,000

It's high voltage, but low amps, so it's not fatal, but it hurts.

645

00:35:20,000 --> 00:35:23,000

On a scale of 1 to 10, what was the electrocution pain on that one?

646

00:35:23,000 --> 00:35:25,000

I would say 211.

647

00:35:25,000 --> 00:35:27,000

Seriously, it hurt that bad.

648

00:35:27,000 --> 00:35:28,000

Do it.

649

00:35:30,000 --> 00:35:32,000

Oh my God!

650

00:35:32,000 --> 00:35:39,000

I feel like I just got punched in the chest.

651

00:35:39,000 --> 00:35:43,000

There is no way we're doing this to Adam.

652

00:35:43,000 --> 00:35:48,000

That was unbelievable.

653

00:35:48,000 --> 00:35:50,000

The final test is a dilemma.

654

00:35:50,000 --> 00:35:54,000

The ancient batteries are too weak to invoke a religious experience.

655

00:35:54,000 --> 00:36:00,000

But in good conscience, can they use the painful fence shocker on an unsuspecting Adam?

656

00:36:01,000 --> 00:36:03,000

I'm going to leave it up to you.

657

00:36:03,000 --> 00:36:04,000

I say we leave it up.

658

00:36:04,000 --> 00:36:07,000

This decision is entirely in Kerry's hands.

659

00:36:12,000 --> 00:36:18,000

Buster's getting his new body ahead of being dropped 60 feet in Earl the Catty.

660

00:36:18,000 --> 00:36:23,000

Buster 2.0 will be like a rubbery pink Frankenstein's monster.

661

00:36:23,000 --> 00:36:24,000

Great.

662

00:36:24,000 --> 00:36:26,000

Coming out really good.

663

00:36:26,000 --> 00:36:28,000

I think it's going to fly.

664

00:36:28,000 --> 00:36:31,000

You know, it's also good and bouncy.

665

00:36:31,000 --> 00:36:37,000

I've got to say it looks a lot more flesh-like than what was in the original dummy because that was foam-filled.

666

00:36:37,000 --> 00:36:39,000

This has got mass to it.

667

00:36:39,000 --> 00:36:41,000

You know, it's like...

668

00:36:44,000 --> 00:36:47,000

This is Buster's new back.

669

00:36:47,000 --> 00:36:50,000

The old Buster had most of his weight in his frame.

670

00:36:50,000 --> 00:36:53,000

We've put a good portion of his weight back into his flesh.

671

00:36:53,000 --> 00:36:55,000

So this is a good...

672

00:36:55,000 --> 00:37:00,000

I have about 12 or 13 pounds of rubber here.

673

00:37:00,000 --> 00:37:08,000

And that's going to sit right on there like that.

674

00:37:08,000 --> 00:37:14,000

For easy removal and repair, each body part is molded in two halves.

675

00:37:14,000 --> 00:37:20,000

They're glued together on one side like a clamp, then secured around the limb with plastic ties.

676

00:37:24,000 --> 00:37:27,000

He's a little meatier than he was before.

677

00:37:27,000 --> 00:37:33,000

But I think the seam system is actually working out quite nicely.

678

00:37:49,000 --> 00:37:51,000

Got good mobility.

679

00:37:51,000 --> 00:37:52,000

He does.

680

00:37:52,000 --> 00:37:54,000

It's very realistic.

681

00:38:00,000 --> 00:38:03,000

I still feel really bad that we haven't had time to fix his face.

682

00:38:03,000 --> 00:38:05,000

You still don't get it, do you?

683

00:38:05,000 --> 00:38:06,000

Get what?

684

00:38:06,000 --> 00:38:07,000

He's Buster.

685

00:38:07,000 --> 00:38:13,000

This is the throughput from old Buster to new Buster.

686

00:38:13,000 --> 00:38:15,000

Yeah, this is all we're going to see.

687

00:38:15,000 --> 00:38:19,000

We just put all this work into this thing and you'll never know it.

688

00:38:19,000 --> 00:38:24,000

All you will know is that he looks like some kind of a burn victim.

689

00:38:24,000 --> 00:38:27,000

They will know because they're filming it right now.

690

00:38:27,000 --> 00:38:30,000

Well, I thought it would be nice to have the real face on it.

691

00:38:30,000 --> 00:38:31,000

We are going to replace this.

692

00:38:31,000 --> 00:38:32,000

No, we're not.

693

00:38:32,000 --> 00:38:33,000

Yes, we are.

694

00:38:33,000 --> 00:38:34,000

No, we're not.

695

00:38:34,000 --> 00:38:37,000

Well, it looks like crap.

696

00:38:37,000 --> 00:38:41,000

If that's what makes you happy, then I don't care.

697

00:38:41,000 --> 00:38:45,000

Lived in face and all, Buster 2.0 is done.

698

00:38:45,000 --> 00:38:48,000

He's more durable, more repairable.

699

00:38:48,000 --> 00:38:57,000

And like a conventional crash test dummy, his height and weight are representative of 95% of American men.

700

00:38:57,000 --> 00:39:00,000

It's got really big biceps.

701

00:39:00,000 --> 00:39:03,000

Yeah, I'm actually pretty pleased with Buster.

702

00:39:03,000 --> 00:39:10,000

I know Jamie always seems to look for the worst in everything, you know, or the little chest of you and it's a little pink.

703

00:39:10,000 --> 00:39:12,000

And while his face is all burnt.

704

00:39:12,000 --> 00:39:15,000

I'm actually pretty proud of what we did with this.

705

00:39:15,000 --> 00:39:18,000

I mean, the human body is a difficult thing to replicate.

706

00:39:18,000 --> 00:39:24,000

Four and a half days to get this guy out of the molds, out of the machine shop and assembled.

707

00:39:24,000 --> 00:39:25,000

I'm pretty impressed.

708

00:39:25,000 --> 00:39:31,000

I defy anybody to point at anything that we did and say that was, you know, a waste of time or over complicated.

709

00:39:31,000 --> 00:39:34,000

It's all, Buster is all business.

710

00:39:34,000 --> 00:39:38,000

I think he's a really good, viable, myth Buster's dummy.

711

00:39:45,000 --> 00:39:47,000

Battery is a little left field.

712

00:39:47,000 --> 00:39:56,000

2000 years ago in a society where electricity was apparently unknown, could an electric shock inspire religious awe?

713

00:39:56,000 --> 00:39:58,000

That'll do it.

714

00:39:58,000 --> 00:40:02,000

The build team made a replica arc and wired it to deliver a shock.

715

00:40:02,000 --> 00:40:04,000

Adam knows that.

716

00:40:04,000 --> 00:40:05,000

Wow.

717

00:40:05,000 --> 00:40:06,000

Oh my God.

718

00:40:06,000 --> 00:40:08,000

Is it Godlike?

719

00:40:08,000 --> 00:40:11,000

That is magnificent.

720

00:40:11,000 --> 00:40:17,000

What he doesn't know is they might have replaced the ancient batteries with an electric fence transformer.

721

00:40:17,000 --> 00:40:18,000

Incredible.

722

00:40:18,000 --> 00:40:22,000

Which would be the dirtiest trick in myth busting history.

723

00:40:22,000 --> 00:40:23,000

What do I do?

724

00:40:23,000 --> 00:40:31,000

You approach with disbelief, hold your hands up to the idols, look very deeply into God's eyes and grab on.

725

00:40:31,000 --> 00:40:38,000

Now, you guys haven't hooked in the electric fence thing in here, have you?

726

00:40:38,000 --> 00:40:40,000

No, I'm in a good eye skin.

727

00:40:40,000 --> 00:40:43,000

You should be on our team.

728

00:40:43,000 --> 00:40:46,000

I'm reasonably convinced you haven't.

729

00:40:49,000 --> 00:40:51,000

Is it ready to go?

730

00:40:51,000 --> 00:40:53,000

Go ahead.

731

00:40:56,000 --> 00:40:58,000

Did I just grab anywhere?

732

00:40:58,000 --> 00:40:59,000

I don't know.

733

00:40:59,000 --> 00:41:01,000

I mean, it's like doesn't...

734

00:41:03,000 --> 00:41:05,000

Do you feel God?

735

00:41:05,000 --> 00:41:07,000

You did hook up the real thing.

736

00:41:07,000 --> 00:41:08,000

Yeah.

737

00:41:08,000 --> 00:41:10,000

Jesus Christ.

738

00:41:10,000 --> 00:41:15,000

Messing with electricity is dangerous at the best of times and that shock hurts.

739

00:41:15,000 --> 00:41:16,000

Are you alright?

740

00:41:16,000 --> 00:41:17,000

Yeah.

741

00:41:17,000 --> 00:41:19,000

Because you expected.

742

00:41:19,000 --> 00:41:21,000

Did you get the kick in the chest?

743

00:41:21,000 --> 00:41:25,000

Yeah, and the head and the entire body.

744

00:41:25,000 --> 00:41:27,000

That was 10,000 volts through my heart.

745

00:41:27,000 --> 00:41:35,000

The build team has shown the ancient batteries do create a charge that can electroplate and

potentially be used for pain relief.

746

00:41:35,000 --> 00:41:42,000

But promoting a fear of God by using the electric fence transformer, they really only produced a fear of Adam.

747

00:41:42,000 --> 00:41:44,000

Did that feel like God to you?

748

00:41:44,000 --> 00:41:46,000

I don't think so.

749

00:41:46,000 --> 00:41:54,000

If you were able to get any kind of tingle out of touching this thing, that it would have had very, very powerful ramifications.

750

00:41:54,000 --> 00:41:56,000

Everything that we can't explain is God.

751

00:41:56,000 --> 00:41:57,000

Amazing.

752

00:41:57,000 --> 00:42:01,000

To me, it sounds like everything you guys have tested is plausible, plausible, plausible.

753

00:42:06,000 --> 00:42:08,000

Oh, you look alright, man.

754

00:42:08,000 --> 00:42:11,000

We're really, really, really, really sorry.

755

00:42:15,000 --> 00:42:20,000

It's Earl's big moment and Buster 2.0 will share it.

756

00:42:20,000 --> 00:42:21,000

Yeah.

757

00:42:21,000 --> 00:42:25,000

It's definitely, it's the coming out party for Buster.

758

00:42:26,000 --> 00:42:29,000

They're both about to get a raise.

759

00:42:29,000 --> 00:42:33,000

And Buster's going to take a little ride.

760

00:42:33,000 --> 00:42:40,000

Unfortunately for Buster, it's going to be straightened down at about maybe 40 or 50 miles an hour from the top of a crane.

761

00:42:40,000 --> 00:42:46,000

You see, the mythbusters are fulfilling a promise to Cadillac Bend to destroy Earl.

762

00:42:46,000 --> 00:42:49,000

And Bends come along to witness the show.

763

00:42:49,000 --> 00:42:54,000

When you donated us this car, is this the kind of destruction that you were dreaming of?

764

00:42:54,000 --> 00:42:57,000

I really had no idea what you guys were going to do.

765

00:42:57,000 --> 00:43:00,000

Maybe something with explosives, but this is definitely satisfactory.

766

00:43:00,000 --> 00:43:01,000

I think it's going to be good.

767

00:43:01,000 --> 00:43:03,000

Good in a bad way.

768

00:43:03,000 --> 00:43:07,000

But before anything gets dropped, Earl needs a few modifications.

769

00:43:08,000 --> 00:43:10,000

What are you doing, Scotty?

770

00:43:10,000 --> 00:43:12,000

I think it's broken.

771

00:43:12,000 --> 00:43:16,000

The gas has already been drained and anything loose has been taken out.

772

00:43:22,000 --> 00:43:24,000

Don't mind me.

773

00:43:24,000 --> 00:43:27,000

They'll use a chain to connect Earl to the crane.

774

00:43:28,000 --> 00:43:32,000

Go chains, matte black Cadillac, bling bling.

775

00:43:32,000 --> 00:43:35,000

That chain has to be passed through the back seat.

776

00:43:35,000 --> 00:43:38,000

But wouldn't you know it, the windows won't wind down.

777

00:43:38,000 --> 00:43:40,000

What to do?

778

00:43:40,000 --> 00:43:42,000

What do you got, Scotty?

779

00:43:42,000 --> 00:43:44,000

Well, I have ceramic from a spark plug.

780

00:43:44,000 --> 00:43:50,000

And what I've heard is that if you take a piece of broken ceramic and pelt it at a car window, it'll shatter.

781

00:43:50,000 --> 00:43:51,000

Really?

782

00:43:51,000 --> 00:43:52,000

Like magic.

783

00:43:52,000 --> 00:43:54,000

I've heard that. It seems unlikely, though, doesn't it?

784

00:43:54,000 --> 00:43:57,000

Seems unlikely, but I don't know. Let's find out.

785

00:43:57,000 --> 00:43:59,000

Watch your eyes.

786

00:43:59,000 --> 00:44:01,000

Oh, now you think it's going to work?

787

00:44:01,000 --> 00:44:02,000

No, it does.

788

00:44:02,000 --> 00:44:04,000

That was on the paint.

789

00:44:08,000 --> 00:44:10,000

Not breaking the window.

790

00:44:10,000 --> 00:44:12,000

Scotty, I don't think it's here.

791

00:44:12,000 --> 00:44:14,000

It's busted.

792

00:44:16,000 --> 00:44:17,000

Hold there you go.

793

00:44:17,000 --> 00:44:18,000

That's how to do it.

794

00:44:18,000 --> 00:44:19,000

All right.

795

00:44:19,000 --> 00:44:20,000

All right.

796

00:44:20,000 --> 00:44:21,000

I didn't think that was going to work.

797

00:44:21,000 --> 00:44:22,000

That's fantastic.

798

00:44:22,000 --> 00:44:24,000

That would be a myth confirmed.

799

00:44:24,000 --> 00:44:26,000

Do not try this at home.

800

00:44:26,000 --> 00:44:28,000

So they've cleared the way for the train.

801

00:44:28,000 --> 00:44:31,000

Now Adam has plans for the other end.

802

00:44:31,000 --> 00:44:34,000

This is actually a 10,000 pound quick release.

803

00:44:34,000 --> 00:44:36,000

This is what the car will be hanging from.

804

00:44:36,000 --> 00:44:42,000

And when we pull the safety pin and release this, the car drops.

805

00:44:42,000 --> 00:44:48,000

So I'm just setting up the rigging so that we can do that drop easily and safely.

806

00:44:50,000 --> 00:44:51,000

Goodbye, guy.

807

00:44:51,000 --> 00:44:52,000

See you.

808

00:44:54,000 --> 00:44:56,000

Keep your eyes on the road.

809

00:45:02,000 --> 00:45:03,000

You're on.

810

00:45:06,000 --> 00:45:09,000

Adam, you want to clear out?

811

00:45:11,000 --> 00:45:14,000

This is always the point, but you're like, how's my everything?

812

00:45:14,000 --> 00:45:15,000

How's my everything?

813

00:45:15,000 --> 00:45:16,000

Is everything in place?

814

00:45:16,000 --> 00:45:19,000

A lot of rides on everything working just the way it should.

815

00:45:21,000 --> 00:45:32,000

Buster and Earl are airborne, but this is tricky and dangerous.

816

00:45:32,000 --> 00:45:37,000

That's nearly two tons of steel up there and they need to stop it twisting.

817

00:45:37,000 --> 00:45:41,000

Okay, Carrie, you need to back away here while you're feeding it out.

818

00:45:41,000 --> 00:45:42,000

Okay.

819

00:45:42,000 --> 00:45:44,000

And I recommend you go up this way.

820

00:45:44,000 --> 00:45:45,000

Okay.

821

00:45:52,000 --> 00:45:53,000

Stop.

822

00:45:55,000 --> 00:45:57,000

This is the coolest thing I've ever seen.

823

00:45:57,000 --> 00:45:59,000

This is terrifying.

824

00:46:02,000 --> 00:46:05,000

I just had one of those, what the hell are we doing?

825

00:46:05,000 --> 00:46:11,000

Funnily enough, 60 feet up, Buster 2.0 is having one of those two.

826

00:46:11,000 --> 00:46:14,000

Will his new body hold up?

827

00:46:14,000 --> 00:46:17,000

Cadillac Ben is getting his wish.

828

00:46:17,000 --> 00:46:24,000

From this height, Earl's last drive will be like hitting a wall at 55 miles per hour.

829

00:46:24,000 --> 00:46:28,000

It's the perfect crash test for new Buster.

830

00:46:30,000 --> 00:46:31,000

Don't let go.

831

00:46:32,000 --> 00:46:33,000

Okay.

832

00:46:33,000 --> 00:46:37,000

And three, two, one.

833

00:46:47,000 --> 00:46:52,000

Man, that was cool.

834

00:46:54,000 --> 00:46:57,000

And once again, Earl's last moments.

835

00:47:07,000 --> 00:47:08,000

Fantastic.

836

00:47:08,000 --> 00:47:10,000

Oh my God.

837

00:47:10,000 --> 00:47:11,000

Oh, look at that.

838

00:47:11,000 --> 00:47:13,000

I'm not sure Buster's going to be so...

839

00:47:13,000 --> 00:47:17,000

I've never seen anything like that.

840

00:47:17,000 --> 00:47:20,000

That's flat as a pancake on the front of the car.

841

00:47:20,000 --> 00:47:22,000

Earl is clearly no more.

842

00:47:22,000 --> 00:47:27,000

But how did Buster's brand new body cope with the ultimate crash test?

843

00:47:27,000 --> 00:47:30,000

You can see Buster from this side, he looks really uncomfortable.

844

00:47:30,000 --> 00:47:33,000

Yeah, his head's kind of at an angle.

845

00:47:33,000 --> 00:47:38,000

On the high speed, bottom of frame, you can see he lost an arm on impact.

846

00:47:38,000 --> 00:47:39,000

Oh man.

847

00:47:39,000 --> 00:47:42,000

Yeah, he lost an arm completely.

848

00:47:43,000 --> 00:47:45,000

There you go.

849

00:47:46,000 --> 00:47:50,000

Getting the rest of Buster out isn't quite so easy.

850

00:47:56,000 --> 00:47:57,000

There we go.

851

00:47:57,000 --> 00:48:02,000

Jamie, that's a broken bone right there.

852

00:48:02,000 --> 00:48:05,000

Well, that worked like a charm.

853

00:48:05,000 --> 00:48:09,000

I guess he'd be lucky if all he broke was his foot in that particular accident.

854

00:48:09,000 --> 00:48:12,000

I imagine there might be some head trauma as well.

855

00:48:12,000 --> 00:48:14,000

I think there probably was.

856

00:48:14,000 --> 00:48:16,000

So, everyone's happy.

857

00:48:16,000 --> 00:48:22,000

Buster has been completely rebuilt from the ground up and successfully busted again.

858

00:48:22,000 --> 00:48:25,000

And Earl, he's just trashed.

859

00:48:25,000 --> 00:48:27,000

So what do you think? Are you satisfied now?

860

00:48:27,000 --> 00:48:31,000

It was way better than expected. I'm extremely satisfied.

861

00:48:31,000 --> 00:48:32,000

Very satisfied.

862

00:48:32,000 --> 00:48:38,000

Well, I think he's passed the car crash test and he's ready for a lifetime of busting myths.

863

00:48:38,000 --> 00:48:39,000

A whole world of pain.

864

00:48:39,000 --> 00:48:41,000

Another lifetime.

865

00:48:41,000 --> 00:48:44,000

How many lives is Buster going to have anyway?

866

00:48:44,000 --> 00:48:47,000

How many episodes are we going to have?