

1

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

Please, don't try anything that you're about to see us do at home. Ever.

2

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

We feel lucky, punk.

3

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

Are you kidding me?

4

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

What the fuck?

5

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

Answer all over my head, man.

6

00:01:08,000 --> 00:01:12,000

Between them more than 30 years of special effects experience.

7

00:01:13,000 --> 00:01:14,000

That was heavy.

8

00:01:16,000 --> 00:01:17,000

Go get him, boy.

9

00:01:19,000 --> 00:01:21,000

It'll be orders of exploding pants.

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00:01:22,000 --> 00:01:23,000

Oh, God.

11

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

Yeah!

12

00:01:30,000 --> 00:01:32,000

What's with the lighter?

13

00:01:40,000 --> 00:01:42,000

Adam, what's with the lighter?

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00:01:42,000 --> 00:01:46,000

Ah, it's the next myth. Disposable lighter explosion.

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00:01:46,000 --> 00:01:50,000

Apparently, there are many circumstances under which one of these simple disposable

16

00:01:50,000 --> 00:01:54,000

lighters can explode and potentially become deadly.

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00:01:54,000 --> 00:01:58,000

I've heard about that. It's like if you're welding or something, the slag ends up in your pocket

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00:01:58,000 --> 00:01:59,000

and up goes the lighter.

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

Absolutely. That is probably the most well-known and the most popular and it's the perfect place

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

for us to start.

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00:02:05,000 --> 00:02:10,000

To make fire, you need three things. Fuel, an ignition source and oxygen.

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00:02:10,000 --> 00:02:15,000

If a lighter ruptured while someone was welding, the fuel inside could escape,

23

00:02:15,000 --> 00:02:18,000

mix with air and heat and presto.

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00:02:22,000 --> 00:02:26,000

To set up for their blue collar test, Adam puts a steel bar on some boxes

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00:02:26,000 --> 00:02:28,000

and faces a welder towards it.

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00:02:29,000 --> 00:02:32,000

Then he hooks it up so it can be triggered remotely.

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00:02:33,000 --> 00:02:37,000

I've got a big welder here. It basically feeds wire out, creates electrical arc

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00:02:37,000 --> 00:02:39,000

and lots of sparks and hot slag.

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00:02:43,000 --> 00:02:45,000

Beautiful. It works perfectly.

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00:02:46,000 --> 00:02:48,000

Now, which lighter to choose?

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00:02:48,000 --> 00:02:52,000

I've got a whole bunch of disposable lighters. I think we should try all kinds for this.

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00:02:52,000 --> 00:02:53,000

Okay, sure.

33

00:02:54,000 --> 00:02:58,000

They set the lighter right under the welder tip for maximum fallout.

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00:02:58,000 --> 00:03:00,000

Three, two, one.

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00:03:02,000 --> 00:03:05,000

As the sparks rain down, they melt the plastic.

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00:03:06,000 --> 00:03:09,000

Got something. We got burning.

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00:03:09,000 --> 00:03:12,000

And the lighter catches a light.

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00:03:13,000 --> 00:03:17,000

I can actually see the liquid butane bubbling. There we go.

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00:03:17,000 --> 00:03:19,000

Oh, yeah, I see it's shooting out.

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00:03:19,000 --> 00:03:22,000

Things look like they're about to boil over.

41

00:03:25,000 --> 00:03:26,000

I could feel that one.

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00:03:26,000 --> 00:03:28,000

Yeah, that was good.

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00:03:30,000 --> 00:03:32,000

That was a good little poof.

44

00:03:32,000 --> 00:03:36,000

Your favorite flannel shirt just went up in flames.

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00:03:37,000 --> 00:03:41,000

What happens when you drop hot slag in a lighter is exactly what you would think would happen.

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00:03:41,000 --> 00:03:46,000

The plastic melts and it releases the gas and if there's sufficient temperature

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00:03:46,000 --> 00:03:50,000

and that hot slag left, then it could ignite and it does.

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00:03:50,000 --> 00:03:52,000

Why is there a little lady's lighter in it?

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00:03:52,000 --> 00:03:55,000

This is for all you female welders out there.

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00:03:56,000 --> 00:03:59,000

Do you know something I don't? How come you're standing on a box?

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00:03:59,000 --> 00:04:01,000

Just to get out of the way of the light.

52

00:04:01,000 --> 00:04:03,000

I was just getting nervous.

53

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

Are you ready?

54

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

I'm ready.

55

00:04:05,000 --> 00:04:06,000

Okay, here we go.

56

00:04:10,000 --> 00:04:12,000

Oh, come on, baby.

57

00:04:15,000 --> 00:04:17,000

They're getting more energetic.

58

00:04:17,000 --> 00:04:22,000

If a little welding slag goes in your pocket, hits the lighter in the right place, causes the case to fail.

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00:04:22,000 --> 00:04:27,000

Poof! It blows a plume of fire over your head.

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00:04:27,000 --> 00:04:29,000

That's an explosion.

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00:04:30,000 --> 00:04:32,000

So, welders be warned.

62

00:04:32,000 --> 00:04:35,000

Leave your lighters in the locker room.

63

00:04:45,000 --> 00:04:48,000

So I know what this next story is and I just want to be clear here.

64

00:04:48,000 --> 00:04:50,000

We are so asking for trouble.

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00:04:50,000 --> 00:04:51,000

Trouble's my middle name.

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00:04:51,000 --> 00:04:52,000

What's the problem?

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00:04:52,000 --> 00:04:54,000

I thought it was Earl.

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00:04:54,000 --> 00:04:59,000

Well, every time we do one of these weapons myths, you know, archery, ballistics, anything like that,

69

00:04:59,000 --> 00:05:02,000

no one will ever believe us.

70

00:05:02,000 --> 00:05:08,000

Yep, whenever we do weapons myths, we get attacked by viewer rage and indignation.

71

00:05:08,000 --> 00:05:12,000

You blast our approach, shoot apart our technique,

72

00:05:15,000 --> 00:05:17,000

and fry our findings.

73

00:05:18,000 --> 00:05:23,000

Well, we're about to stir the hornet's nest once again.

74

00:05:25,000 --> 00:05:29,000

So, what are we going to imply our so-called dubious skills to this time?

75

00:05:29,000 --> 00:05:30,000

Gunslingers.

76

00:05:30,000 --> 00:05:32,000

Oh, no, this is all wrong.

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00:05:32,000 --> 00:05:34,000

We cannot attack the Old West.

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00:05:34,000 --> 00:05:38,000

That is a legend that's the cornerstone of American history.

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00:05:40,000 --> 00:05:43,000

Big your pardon, little lady, but yes we can.

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00:05:44,000 --> 00:05:49,000

The Gunslinger, one of the greatest symbols of the American West, is steeped in folklore.

81

00:05:52,000 --> 00:05:56,000

But is it Simon Pure or just stretching the blanket?

82

00:05:56,000 --> 00:05:59,000

Now that's cowboy talk for truth or fiction.

83

00:05:59,000 --> 00:06:01,000

What is the first Gunslinger myth?

84

00:06:01,000 --> 00:06:02,000

Quick draw.

85

00:06:02,000 --> 00:06:04,000

This one comes from Harvey Logan.

86

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

AKA Kid Curry, he used to ride with a wild bunch?

87

00:06:07,000 --> 00:06:08,000

Yep, that's the guy.

88

00:06:08,000 --> 00:06:13,000

He claimed to be able to take a poker chip or a silver dollar, put it on his wrist, and turn it.

89

00:06:13,000 --> 00:06:18,000

Before that hit the ground, he would draw a single-action revolver and fire off five shots.

90

00:06:18,000 --> 00:06:21,000

That ought to be pretty straightforward to test.

91

00:06:21,000 --> 00:06:27,000

With reflexes that fast, you wouldn't want to mess with the likes of Kid Curry.

92

00:06:27,000 --> 00:06:30,000

He was one hot-headed son of a gun.

93

00:06:30,000 --> 00:06:37,000

In the early 1900s, he and his wild bunch crew were the most feared outlaws in the land.

94

00:06:38,000 --> 00:06:44,000

To test the tale of his speedy draw, Tauri and Carrie go to get themselves some firepower.

95

00:06:45,000 --> 00:06:50,000

Yeah, what would be a nice pump-action shotgun that would match my outfit?

96

00:06:50,000 --> 00:06:55,000

They pick out replicas of the exact kind of hardware cowboys would have used.

97

00:06:55,000 --> 00:06:57,000

I hope you don't wreck this.

98

00:06:57,000 --> 00:07:05,000

And before you start growling at us, yes, they've already waited the compulsory ten-day waiting period in California to purchase firearms.

99

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

Are these the only two we're getting?

100

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

That's okay, you bought it.

101

00:07:09,000 --> 00:07:10,000

They're tough.

102

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

These are tough guns.

103

00:07:11,000 --> 00:07:14,000

Do me a favor, try not to do that when it's loaded.

104

00:07:14,000 --> 00:07:17,000

You all come back down here.

105

00:07:18,000 --> 00:07:22,000

Back at the ranch, Carrie introduces us to her little friends.

106

00:07:22,000 --> 00:07:27,000

1873 Colt Peacemaker. This is the classic cowboy pistol.

107

00:07:27,000 --> 00:07:31,000

It's single-action, which means you have to pull the lever back every time you want it to fire.

108

00:07:31,000 --> 00:07:37,000

I'm sure you've seen all the Clint Eastwood movies, and it does take a .45 caliber bullet.

109

00:07:37,000 --> 00:07:43,000

Next in our little gun-toting list, we have our 1851 Navy Colt single-action.

110

00:07:43,000 --> 00:07:48,000

This one's a little bit older, so it still uses the lead ball percussion cap and black powder.

111

00:07:50,000 --> 00:07:52,000

The guys suit up cowboy style.

112

00:07:54,000 --> 00:07:56,000

Grant needs to eat some more pork and beans.

113

00:07:58,000 --> 00:08:00,000

What the heck's going on here, partner?

114

00:08:01,000 --> 00:08:03,000

Got a problem with your gear?

115

00:08:03,000 --> 00:08:06,000

Well, Tori goes for the high-waisted look.

116

00:08:06,000 --> 00:08:09,000

Well, look at you, Howdy Doody.

117

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

All kitted out, playtime is over.

118

00:08:12,000 --> 00:08:14,000

It's Howdy Doody time.

119

00:08:14,000 --> 00:08:18,000

Coming up, the Magnificent 3 is outgunned.

120

00:08:19,000 --> 00:08:21,000

Are you kidding me?

121

00:08:21,000 --> 00:08:26,000

But next, Jamie and Adam turn golf into an extreme sport.

122

00:08:32,000 --> 00:08:36,000

Jamie and Adam are putting disposable lighters to the test.

123

00:08:36,000 --> 00:08:42,000

Are these little gadgets as innocent as they look, or are many tools of destruction?

124

00:08:43,000 --> 00:08:44,000

What's next?

125

00:08:44,000 --> 00:08:46,000

Next up is...

126

00:08:46,000 --> 00:08:47,000

closed dryer.

127

00:08:47,000 --> 00:08:51,000

Apparently, if you leave the lighter in the pocket of your pants and you run it through a cycle in the dryer,

128

00:08:51,000 --> 00:08:55,000

it can get hot enough to blow that lighter up, and maybe some of your property and maybe you.

129

00:08:55,000 --> 00:08:57,000

Great, let's do it.

130

00:08:57,000 --> 00:09:02,000

I'm sitting on our test platform here, a bonafide dryer.

131

00:09:02,000 --> 00:09:07,000

We're going to hook it up, and we're going to put a lighter through the drying cycle, see what happens.

132

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

Adam replaces the front door with laminated safety glass.

133

00:09:13,000 --> 00:09:19,000

He adds a temperature gauge, puts in the lighter, and is ready to tumble.

134

00:09:19,000 --> 00:09:21,000

There we go.

135

00:09:21,000 --> 00:09:23,000

Ready to go.

136

00:09:23,000 --> 00:09:28,000

Darn, he forgot the dryer sheets. They make things so much fluffier.

137

00:09:28,000 --> 00:09:33,000

I was just kind of like washing paint dry in it. It's getting hot.

138

00:09:33,000 --> 00:09:37,000

Yeah, see the thermometer? It's already at like 160 degrees.

139

00:09:37,000 --> 00:09:39,000

That's pretty good.

140

00:09:39,000 --> 00:09:41,000

Now all there is to do is wait.

141

00:09:46,000 --> 00:09:48,000

And wait.

142

00:09:49,000 --> 00:09:51,000

And wait some more.

143

00:09:51,000 --> 00:09:55,000

Let's look at the high speed for any sign of a spark.

144

00:09:55,000 --> 00:10:02,000

Nope, nothing, but it is quite spacey in a Kubrick kind of way.

145

00:10:02,000 --> 00:10:08,000

Look, Adam, I can see you're really upset about this.

146

00:10:09,000 --> 00:10:15,000

The lighter's been in for over an hour, but all it's done is go for a ride.

147

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

What you need to have for a disposable lighter to explode is two things.

148

00:10:20,000 --> 00:10:24,000

You need to have enough heat for the plastic and the lighter to melt,

149

00:10:24,000 --> 00:10:26,000

and then you need to have an ignition source.

150

00:10:26,000 --> 00:10:30,000

Now, I'm not terribly sure we have either of those things in this case.

151

00:10:32,000 --> 00:10:34,000

I think we're done here.

152

00:10:35,000 --> 00:10:37,000

Nothing's happening.

153

00:10:37,000 --> 00:10:38,000

It busted.

154

00:10:38,000 --> 00:10:40,000

Or you just want to take another nap for a while.

155

00:10:40,000 --> 00:10:45,000

With the drying done, it's time for another round of disposable lighter myths.

156

00:10:45,000 --> 00:10:49,000

I know that sports don't make any sense to you, but have you ever played a round of golf?

157

00:10:49,000 --> 00:10:50,000

Yes.

158

00:10:50,000 --> 00:10:51,000

Really?

159

00:10:51,000 --> 00:10:52,000

Yes.

160

00:10:52,000 --> 00:10:58,000

All right, the next one is can you cause some significant damage by smacking a disposable lighter with a golf club?

161

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

I don't know, those golf clubs go pretty fast.

162

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

I think we could probably do some damage to a lighter, but we probably shouldn't be next one,

163

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

so maybe we need to build a mechanical rig.

164

00:11:07,000 --> 00:11:09,000

I agree entirely.

165

00:11:09,000 --> 00:11:12,000

Kids, never try at home what we're about to do.

166

00:11:13,000 --> 00:11:18,000

Where there's a spark, there may be hope.

167

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

Jamie is no sports nut.

168

00:11:20,000 --> 00:11:24,000

Making mechanical devices gives him a power rush.

169

00:11:30,000 --> 00:11:31,000

Yeah.

170

00:11:31,000 --> 00:11:36,000

His golf machine's muscle comes from two pneumatic actuators connected to an air pump.

171

00:11:37,000 --> 00:11:40,000

As the air rushes in, their valves will open,

172

00:11:40,000 --> 00:11:44,000

and the force will push a golf club fast into a swinging arm.

173

00:11:47,000 --> 00:11:49,000

Meet RoboPro.

174

00:11:49,000 --> 00:11:53,000

Prime Directive Erase the Lighter.

175

00:11:54,000 --> 00:11:58,000

Three, two, one.

176

00:12:01,000 --> 00:12:03,000

I don't have a clue what happened.

177

00:12:03,000 --> 00:12:06,000

The club swings at 85 miles an hour.

178

00:12:06,000 --> 00:12:09,000

That's about the speed of your average human golfer.

179

00:12:09,000 --> 00:12:16,000

The only thing that differentiates you and me from a couple of 14-year-old pyromaniacs is ballistic glass.

180

00:12:17,000 --> 00:12:23,000

Four, three, two, one.

181

00:12:26,000 --> 00:12:28,000

That's just awesome.

182

00:12:29,000 --> 00:12:30,000

Reset!

183

00:12:31,000 --> 00:12:34,000

I think we should put a bowling ball out there and see whether it throws it.

184

00:12:35,000 --> 00:12:38,000

All the elements are there, but there's no spark.

185

00:12:38,000 --> 00:12:41,000

And without that, there's well just be friends.

186

00:12:41,000 --> 00:12:47,000

I mean, you've got the release of the gas, and there is a creator of a spark in the mechanism.

187

00:12:47,000 --> 00:12:51,000

But we could do this a hundred times and not just hit it exactly right.

188

00:12:51,000 --> 00:12:53,000

What's your problem with that?

189

00:12:53,000 --> 00:12:55,000

I don't think the machine will take it, actually.

190

00:12:55,000 --> 00:13:00,000

To fast-track the lucky shot that would get a spark, Adam glues down the striker,

191

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

so the flame will be on as the club hits.

192

00:13:04,000 --> 00:13:05,000

Are you ready, Jimmy?

193

00:13:05,000 --> 00:13:10,000

Four, three, two, one.

194

00:13:15,000 --> 00:13:16,000

Nicely done.

195

00:13:18,000 --> 00:13:19,000

Wait for the high-five.

196

00:13:21,000 --> 00:13:22,000

That was awesome.

197

00:13:25,000 --> 00:13:28,000

Now that's what I call chemistry.

198

00:13:28,000 --> 00:13:30,000

That's cool. There's a whole delay.

199

00:13:32,000 --> 00:13:36,000

The gas expands enough to mix correctly with the air, and then it goes up.

200

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

It doesn't go up immediately.

201

00:13:38,000 --> 00:13:40,000

That's awesome.

202

00:13:43,000 --> 00:13:45,000

So, is it time to go to the clubhouse now?

203

00:13:46,000 --> 00:13:47,000

What do you think?

204

00:13:47,000 --> 00:13:49,000

Welp, I think that's pretty well confirmed.

205

00:13:49,000 --> 00:13:54,000

I mean, if you're gonna do this, and you're out there in your polyester golf suit,

206

00:13:54,000 --> 00:13:55,000

you're in for some trouble.

207

00:13:55,000 --> 00:13:59,000

Later, the guys customize a car mythbusters style.

208

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

That was beautiful.

209

00:14:01,000 --> 00:14:06,000

But next, it's a Rootin' Tooten shoot-em-up with the Wild Bunch.

210

00:14:12,000 --> 00:14:13,000

Howdy there, cowpokes.

211

00:14:13,000 --> 00:14:17,000

The Mythbusters Posse is exploring gunslinger myths.

212

00:14:18,000 --> 00:14:25,000

Famed-out law kid Cary claimed he could draw and shoot five shots before a silver dollar hit the ground.

213

00:14:25,000 --> 00:14:29,000

To put his boast to the test, Cary lays down the law.

214

00:14:29,000 --> 00:14:34,000

What you're supposed to be doing here is you have your silver dollar on the top of your hand.

215

00:14:34,000 --> 00:14:37,000

Now, in the time it takes this silver dollar to hit the ground,

216

00:14:37,000 --> 00:14:39,000

you want to see how many rounds you can get off.

217

00:14:39,000 --> 00:14:42,000

So, just like, drop.

218

00:14:43,000 --> 00:14:44,000

Are you feeling up to it?

219

00:14:44,000 --> 00:14:46,000

You feeling up for it, partner?

220

00:14:46,000 --> 00:14:48,000

Sure, little buddy. Let's do it.

221

00:14:48,000 --> 00:14:49,000

Alright.

222

00:14:49,000 --> 00:14:53,000

Brad steps up with a Navy Colt, a replica of a cowboy-era gun.

223

00:14:53,000 --> 00:14:56,000

Don't fret, we're using blacks.

224

00:14:57,000 --> 00:14:58,000

Ready, partner?

225

00:14:58,000 --> 00:15:01,000

Go ahead, make my day.

226

00:15:04,000 --> 00:15:06,000

Hey, this is a really long gun.

227

00:15:06,000 --> 00:15:08,000

Not used to a gun that long?

228

00:15:09,000 --> 00:15:14,000

Fumbles here didn't even clear the holster before the coin hit the ground.

229

00:15:14,000 --> 00:15:17,000

Next, Cary gives it a shot.

230

00:15:23,000 --> 00:15:24,000

Hi.

231

00:15:26,000 --> 00:15:27,000

Gonna keep firing.

232

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

I have trouble with my trigger finger.

233

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

Maybe the gun is jammed.

234

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

It's not jammed.

235

00:15:33,000 --> 00:15:35,000

It's not jammed, no.

236

00:15:35,000 --> 00:15:38,000

No, I have a hard time with the trigger for some reason.

237

00:15:38,000 --> 00:15:40,000

I can't do it.

238

00:15:40,000 --> 00:15:44,000

Okay, Belayche, you're our last chance, or we're all goners.

239

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

Better get this one on high speed.

240

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

You might not see it in real time.

241

00:15:49,000 --> 00:15:50,000

Yee-haw!

242

00:15:50,000 --> 00:15:53,000

This time, a series of shots rings out.

243

00:15:53,000 --> 00:15:57,000

The high speed confirms it as two before the coin hit the dirt.

244

00:15:57,000 --> 00:16:00,000

It's not bad, though. You got two up for the coin hit.

245

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

It's tricky, man. A lot trickier than you think.

246

00:16:04,000 --> 00:16:07,000

Maybe a different gun will make it easier.

247

00:16:07,000 --> 00:16:09,000

Alright, high speed ready?

248

00:16:12,000 --> 00:16:15,000

The peacemaker is anything but.

249

00:16:15,000 --> 00:16:18,000

The area's real estate value is dropping by the second,

250

00:16:18,000 --> 00:16:21,000

and our neighbors are plum mad.

251

00:16:23,000 --> 00:16:25,000

Yeah, we already talked to the police.

252

00:16:28,000 --> 00:16:31,000

I thought we told everybody in the neighborhood.

253

00:16:31,000 --> 00:16:37,000

Once again, making friends with our neighbors here at Mythbusters.

254

00:16:37,000 --> 00:16:40,000

They go inside to lay low for a while.

255

00:16:40,000 --> 00:16:42,000

Grant may not be a sharpshooter,

256

00:16:42,000 --> 00:16:46,000

but he's taking on the kid the only way he knows how,

257

00:16:46,000 --> 00:16:48,000

by building a quick draw robot.

258

00:16:48,000 --> 00:16:55,000

What I'm working on is figuring out if the gun can even mechanically fire that fast.

259

00:16:55,000 --> 00:16:59,000

So I've built a motor and a test stand for the gun.

260

00:16:59,000 --> 00:17:04,000

The motor's got a little arm on it, and so as it rotates, it cocks the gun.

261

00:17:04,000 --> 00:17:05,000

Perfect.

262

00:17:05,000 --> 00:17:08,000

Now hold it triggered so that every time it'll go...

263

00:17:08,000 --> 00:17:12,000

Ready? Three, two, one.

264

00:17:14,000 --> 00:17:15,000

Yay!

265

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

Did you get them all?

266

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

I believe that was six. I'm pretty sure I counted six.

267

00:17:21,000 --> 00:17:25,000

Mama, don't let your babies grow up to be animatronics engineers.

268

00:17:25,000 --> 00:17:27,000

Yay!

269

00:17:28,000 --> 00:17:33,000

Firing like a bionic bandit, they take it outside to test it with the coin.

270

00:17:33,000 --> 00:17:36,000

In three, two, one.

271

00:17:39,000 --> 00:17:40,000

Oh!

272

00:17:40,000 --> 00:17:41,000

Okay, well...

273

00:17:41,000 --> 00:17:43,000

One, two, three, four, I heard.

274

00:17:43,000 --> 00:17:44,000

Yeah, at least.

275

00:17:44,000 --> 00:17:45,000

Let me go out on a limb here.

276

00:17:45,000 --> 00:17:47,000

I think that was faster than any of us shot.

277

00:17:48,000 --> 00:17:53,000

The time it takes for the coin to drop to the ground is 0.5 seconds,

278

00:17:53,000 --> 00:17:55,000

so four shots is impressive.

279

00:17:55,000 --> 00:17:59,000

But the robot has an unfair advantage over a person.

280

00:17:59,000 --> 00:18:03,000

You also have to allow for human reaction time,

281

00:18:03,000 --> 00:18:07,000

so it's going to be even harder because that's about 0.2 seconds.

282

00:18:07,000 --> 00:18:13,000

What you're saying is we have to do all five shots in under 300 milliseconds?

283

00:18:13,000 --> 00:18:16,000

That's exactly what I'm saying.

284

00:18:16,000 --> 00:18:21,000

So with human draw time taken into account, it's all about the gun's shooting speed.

285

00:18:21,000 --> 00:18:22,000

Two, one.

286

00:18:26,000 --> 00:18:27,000

The gun chokes.

287

00:18:27,000 --> 00:18:29,000

Yeah, we're missing on the barrel.

288

00:18:29,000 --> 00:18:31,000

Three, two, one.

289

00:18:34,000 --> 00:18:40,000

Sure enough, the old-time gun isn't built to fire at such a rapid rate and gives up the ghost.

290

00:18:40,000 --> 00:18:45,000

The gun is now incapacitated, so it's not advancing anymore.

291

00:18:47,000 --> 00:18:49,000

I definitely think that is a result.

292

00:18:50,000 --> 00:18:56,000

Dear viewers, if you're about to shoot off an email doubting our methods,

293

00:18:56,000 --> 00:18:58,000

you might want to hold your horses.

294

00:18:59,000 --> 00:19:03,000

To test this myth right, say howdy to Lightning Larry,

295

00:19:03,000 --> 00:19:07,000

a competition fast draw expert and cowboy action shooter.

296

00:19:09,000 --> 00:19:13,000

I guess it's pretty obvious, but could you explain why they call you Lightning Larry?

297

00:19:13,000 --> 00:19:15,000

Well, they don't call me Lightning because I'm so fast,

298

00:19:15,000 --> 00:19:18,000

but like Lightning, my bullets never hit twice in the same spot.

299

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

That's right.

300

00:19:21,000 --> 00:19:23,000

Larry's a straight shooter.

301

00:19:24,000 --> 00:19:27,000

Are we using the correct cowboy era gear?

302

00:19:27,000 --> 00:19:30,000

You confirm for us what we've gotten here.

303

00:19:30,000 --> 00:19:32,000

Yes, those are the holsters we have.

304

00:19:32,000 --> 00:19:35,000

The holsters are authentic, the belts may not be, but the holsters are authentic.

305

00:19:35,000 --> 00:19:39,000

Well, but the main part was getting the gun out of the holster, right?

306

00:19:39,000 --> 00:19:44,000

So as far as weapons go, we've got an 1851 Navy Colt cap and ball,

307

00:19:44,000 --> 00:19:46,000

and we've got our Colt peacemaker.

308

00:19:46,000 --> 00:19:51,000

When you think of all these cowboy myths, are these representative of that?

309

00:19:51,000 --> 00:19:52,000

That would be us.

310

00:19:55,000 --> 00:19:57,000

Okay, enough of the yicking and yakking.

311

00:19:57,000 --> 00:20:00,000

Larry is ready to show us how he got his name.

312

00:20:05,000 --> 00:20:08,000

Are you kidding me? You're kidding me, right?

313

00:20:09,000 --> 00:20:10,000

What?

314

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

Just as Larry can actually see it.

315

00:20:17,000 --> 00:20:18,000

Dang!

316

00:20:18,000 --> 00:20:21,000

Never did a name suit a man so well.

317

00:20:21,000 --> 00:20:23,000

Good thing we've got the high speed.

318

00:20:24,000 --> 00:20:25,000

You see the coin? That's the coin.

319

00:20:25,000 --> 00:20:26,000

There's the coin.

320

00:20:30,000 --> 00:20:32,000

I mean, he could have shot the Silver Dollar.

321

00:20:32,000 --> 00:20:34,000

It's before it even passed the gun.

322

00:20:35,000 --> 00:20:37,000

Now to attempt the rapid fire.

323

00:20:39,000 --> 00:20:43,000

Only one cap goes off, but you can see on the replay,

324

00:20:43,000 --> 00:20:46,000

he re-cocked his gun more times than that.

325

00:20:47,000 --> 00:20:51,000

Now high speed says that if all the shots had fired,

326

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

you would have gotten three off before the Silver Dollar hit the ground.

327

00:20:57,000 --> 00:21:02,000

So does lightning Larry think Kid Curry was just stringing a wizard?

328

00:21:03,000 --> 00:21:07,000

I think that the problem is you've got to come down from handheld position

329

00:21:07,000 --> 00:21:11,000

and in fan to hammer five times before that Silver Dollar hits.

330

00:21:11,000 --> 00:21:14,000

And that's pretty fast and pretty unable to do, I think.

331

00:21:14,000 --> 00:21:18,000

Three, I can see three, possibly four, but five may be extremely difficult to do.

332

00:21:18,000 --> 00:21:21,000

So this is an Old Western myth that you don't think it's possible?

333

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

I would think it's an Old Western myth.

334

00:21:26,000 --> 00:21:29,000

Coming right up, Jamie gives a cooking demonstration.

335

00:21:30,000 --> 00:21:34,000

And the team shoots a hole in another gunslinger myth.

336

00:21:34,000 --> 00:21:36,000

Yeah!

337

00:21:40,000 --> 00:21:41,000

It's a break.

338

00:21:41,000 --> 00:21:44,000

Don't try what you're about to see at home.

339

00:21:47,000 --> 00:21:51,000

Little disposable lighters come with a long list of warnings.

340

00:21:53,000 --> 00:21:55,000

Never puncture or put in fire.

341

00:21:55,000 --> 00:22:01,000

Never expose to heat above 120 degrees Fahrenheit or to prolonged sunlight.

342

00:22:01,000 --> 00:22:06,000

So I believe that each one of these items is here because probably of a specific lawsuit,

343

00:22:06,000 --> 00:22:09,000

but each one of them also is a test that we can do.

344

00:22:09,000 --> 00:22:11,000

So I got one for you.

345

00:22:11,000 --> 00:22:12,000

Okay, what is it?

346

00:22:12,000 --> 00:22:15,000

A lighter is sitting on a dash of a hot car and it explodes.

347

00:22:15,000 --> 00:22:18,000

We've done tons of hot car stuff and that is perfect.

348

00:22:18,000 --> 00:22:24,000

The question would be how hot can they get and would that make a lighter potentially fatally explode?

349

00:22:24,000 --> 00:22:26,000

Yeah, they got pretty hot in there. Let's do it.

350

00:22:26,000 --> 00:22:27,000

Alright.

351

00:22:30,000 --> 00:22:36,000

This time, instead of heating up an entire car, Jamie has an also convenient alternative.

352

00:22:37,000 --> 00:22:39,000

Okay, Adam, I got the toaster oven.

353

00:22:39,000 --> 00:22:40,000

That's our car?

354

00:22:40,000 --> 00:22:41,000

That's our car.

355

00:22:43,000 --> 00:22:44,000

That's perfect.

356

00:22:45,000 --> 00:22:51,000

This isn't exactly a dash of a car, but it is a controllable thing that we can get to the correct temperature.

357

00:22:51,000 --> 00:22:57,000

Dashes of cars actually get surprisingly hot. They get up around 180 degrees, give or take.

358

00:22:57,000 --> 00:23:02,000

So we should be able to set this at that temperature, put a lighter in there and see what happens.

359

00:23:02,000 --> 00:23:04,000

In goes the passenger.

360

00:23:04,000 --> 00:23:08,000

Now it's another stupefyingly boring Mythbusters waitfest.

361

00:23:08,000 --> 00:23:10,000

You get to watch it all just happen.

362

00:23:10,000 --> 00:23:16,000

You're going to cut to the explosion inside of five minutes, but I've got to wait for like three hours.

363

00:23:17,000 --> 00:23:22,000

A stupefyingly boring hour later, the heat hasn't affected the lighter at all.

364

00:23:22,000 --> 00:23:27,000

It's been at 140 degrees for that entire hour and I'm not getting anything.

365

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

So I'm going to ramp it up.

366

00:23:30,000 --> 00:23:31,000

He dials up the temperature.

367

00:23:33,000 --> 00:23:34,000

It's climbing.

368

00:23:35,000 --> 00:23:38,000

The toaster oven is now at 190 degrees.

369

00:23:38,000 --> 00:23:42,000

Adam and his little nemesis are having a standoff.

370

00:23:42,000 --> 00:23:44,000

It's just a waiting game and it's exhausting.

371

00:23:44,000 --> 00:23:49,000

I've been working on this for three hours now and I still don't have what we're looking for here,

372

00:23:49,000 --> 00:23:52,000

catastrophic failure of a lighter in a hot car.

373

00:23:52,000 --> 00:23:58,000

Even at the highest temperature the dash of a car could ever get, the lighter still hasn't lost its cool.

374

00:23:58,000 --> 00:24:02,000

But Jamie is confident he can put Adam out of his misery.

375

00:24:02,000 --> 00:24:06,000

I can get this thing up to about 500. I know my toaster oven.

376

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

500 degrees? That's hot.

377

00:24:10,000 --> 00:24:14,000

Now we're up to 350 on our way to 400.

378

00:24:14,000 --> 00:24:18,000

This shouldn't take long. In fact, I can already see the cracks forming.

379

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

Well, that was an explosion.

380

00:24:26,000 --> 00:24:29,000

No fire, but that was a bang.

381

00:24:35,000 --> 00:24:37,000

Actually, there was fire.

382

00:24:37,000 --> 00:24:41,000

Jamie got the lighter to blow in just five minutes.

383

00:24:41,000 --> 00:24:45,000

This end piece shot out like a bullet and actually blew a hole in the tray.

384

00:24:46,000 --> 00:24:48,000

How about another just for the heck of it?

385

00:24:50,000 --> 00:24:51,000

You got your flame.

386

00:24:55,000 --> 00:24:56,000

Yeah.

387

00:24:57,000 --> 00:25:02,000

It sure looks cool, but in the real world cars don't get that hot.

388

00:25:02,000 --> 00:25:10,000

The minimum temperature that we were able to get one of these lighters to melt to the point that it released its gas was about 350 degrees.

389

00:25:10,000 --> 00:25:17,000

And I don't know of any cars that get into 350 degrees even in the desert in the summer.

390

00:25:17,000 --> 00:25:23,000

So as far as I'm concerned, it's not happening unless there's something else at play.

391

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

So to recap, we got bupkus out of the dryer.

392

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

We got nice explosions out of the golf club hot car and the welder.

393

00:25:30,000 --> 00:25:38,000

Yeah, but these myths are about whether or not this is a lethal situation and we don't know what kind of injuries you'd sustain.

394

00:25:38,000 --> 00:25:40,000

We don't really know whether it's lethal or not.

395

00:25:40,000 --> 00:25:41,000

Right.

396

00:25:41,000 --> 00:25:54,000

Well, I mean, that leads to the next step here, which is to get a human analog and try out the most common one, the welding on that human analog and see if the explosion of the lighter next to it causes any visible or significant damage.

397

00:25:54,000 --> 00:25:55,000

Pork.

398

00:25:57,000 --> 00:25:59,000

Yeah, I suppose it's more pork.

399

00:25:59,000 --> 00:26:01,000

I like a pork, but...

400

00:26:01,000 --> 00:26:06,000

Adam and Jamie attach a welder to a C-stand and put a steel plate in front of it.

401

00:26:06,000 --> 00:26:07,000

Wait, wait, wait.

402

00:26:07,000 --> 00:26:13,000

Next, they dress a ham-hawk in Working Man's overalls and put a lighter in the pocket.

403

00:26:13,000 --> 00:26:16,000

Now that's one rugged bore.

404

00:26:16,000 --> 00:26:17,000

All right.

405

00:26:17,000 --> 00:26:25,000

What we'll be very telling about the level of damage is if we get a light and all of a sudden the whole area is bathed in flame.

406

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

Right.

407

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

In three, two, one.

408

00:26:29,000 --> 00:26:36,000

The hot slag drips onto the jeans and about 15 seconds later they catch fire.

409

00:26:36,000 --> 00:26:40,000

That would seem like more than blue jeans just burning there.

410

00:26:40,000 --> 00:26:42,000

I would imagine.

411

00:26:42,000 --> 00:26:46,000

But even though the denim is flaming, the lighter doesn't pop.

412

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

We got some burns in our pig.

413

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

That's only from the welding.

414

00:26:51,000 --> 00:26:53,000

Yeah, that's only from the welding slag.

415

00:26:53,000 --> 00:26:56,000

They reposition it and try again.

416

00:26:56,000 --> 00:27:01,000

You get a working lighter and the vertical pocket this time.

417

00:27:01,000 --> 00:27:04,000

Three, two, one.

418

00:27:08,000 --> 00:27:10,000

Hey, that was quicker.

419

00:27:10,000 --> 00:27:12,000

Yeah, that was a lot quicker.

420

00:27:12,000 --> 00:27:14,000

Now you're starting to hop around.

421

00:27:14,000 --> 00:27:15,000

Like, jeez!

422

00:27:15,000 --> 00:27:16,000

Oh my God!

423

00:27:16,000 --> 00:27:17,000

Ah, shoot!

424

00:27:17,000 --> 00:27:19,000

Dude, pull me out!

425

00:27:19,000 --> 00:27:23,000

Once again, your favorite jeans would never be the same.

426

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

But you would walk away to weld another day.

427

00:27:26,000 --> 00:27:31,000

Again, I think it's a hot metal burn, but not a lighter burn and he's just starting exploding.

428

00:27:31,000 --> 00:27:32,000

Yeah.

429

00:27:32,000 --> 00:27:34,000

They're slowly releasing their gas.

430

00:27:34,000 --> 00:27:37,000

That ball of flame, it just goes kind of poof.

431

00:27:37,000 --> 00:27:41,000

And unless you're wearing plastic clothing like polyester or something like that,

432

00:27:41,000 --> 00:27:42,000

it's not going to go up in flame.

433

00:27:42,000 --> 00:27:44,000

It's going to deflect most of it.

434

00:27:45,000 --> 00:27:48,000

Looks like the guys have extinguished this myth.

435

00:27:49,000 --> 00:27:52,000

Place Your Bets.

436

00:27:52,000 --> 00:27:55,000

The reality of Gunslinger Myth Number Two,

437

00:27:55,000 --> 00:27:58,000

Hull in a Silver Dollar, is a toss-up.

438

00:27:59,000 --> 00:28:04,000

For this test, the team will put a Silver Dollar on one stand and a gun on another.

439

00:28:04,000 --> 00:28:07,000

Then with the Hull, Kit and Kaboodle inside a container,

440

00:28:07,000 --> 00:28:12,000

they'll trigger the gun remotely and see if they can turn the dollar into a donut.

441

00:28:13,000 --> 00:28:18,000

For the first test, they're using the 1873 Colt Peacemaker replica,

442

00:28:18,000 --> 00:28:22,000

using real, period 45 caliber bullets.

443

00:28:22,000 --> 00:28:25,000

Hence, the heavily reinforced steel bunker.

444

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

They do a test fire to center the coin.

445

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

Fire in the hole!

446

00:28:31,000 --> 00:28:33,000

Alright, so here's the hole in the card.

447

00:28:33,000 --> 00:28:39,000

So now what we're going to do is we're just going to place our coin holder in that exact same spot.

448

00:28:39,000 --> 00:28:44,000

The stand has been designed to balance the dollar nice and loose, like it's floating on air.

449

00:28:45,000 --> 00:28:51,000

I'm going to try to give it as little resistance as possible while still balancing it straight up.

450

00:28:51,000 --> 00:28:56,000

Which means as everybody exits the container, tread very, very, very lightly.

451

00:28:56,000 --> 00:29:02,000

And for ultra authenticity, we're using genuine cowboy coinage.

452

00:29:02,000 --> 00:29:05,000

We are not only in the fortunate position to have Silver Dollars,

453

00:29:05,000 --> 00:29:08,000

which this one written on the back says 99% silver,

454

00:29:08,000 --> 00:29:11,000

but Silver Dollar from the era.

455

00:29:11,000 --> 00:29:14,000

This one here is 1879.

456

00:29:15,000 --> 00:29:18,000

It's high noon at the OK container.

457

00:29:19,000 --> 00:29:20,000

Fire in the hole!

458

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

Three, two, one.

459

00:29:25,000 --> 00:29:26,000

Smoky.

460

00:29:26,000 --> 00:29:28,000

So, who won the showdown?

461

00:29:32,000 --> 00:29:34,000

It tried really, really hard.

462

00:29:34,000 --> 00:29:36,000

It sure did.

463

00:29:36,000 --> 00:29:40,000

The bullet hit the dollar dead center, making a mighty dent.

464

00:29:40,000 --> 00:29:42,000

Maybe a tiny little shield.

465

00:29:42,000 --> 00:29:44,000

That is cool.

466

00:29:44,000 --> 00:29:48,000

Next up, the Navy Colt Black Powder Pistol.

467

00:29:48,000 --> 00:29:50,000

Three, two, one.

468

00:29:52,000 --> 00:29:58,000

Again, Tari has a tiny shield for his action figurines, but there's no hole.

469

00:29:58,000 --> 00:29:59,000

That is amazing.

470

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

Good shot.

471

00:30:01,000 --> 00:30:06,000

Their aim was true, but the old time cowboy guns didn't have enough punch.

472

00:30:06,000 --> 00:30:11,000

Maybe a modern day gun that shoots at a much higher velocity will.

473

00:30:11,000 --> 00:30:17,000

We have one more handgun that we want to try, and that's a modern double action .357 Magnum.

474

00:30:18,000 --> 00:30:22,000

Here we go in three, two, one.

475

00:30:24,000 --> 00:30:26,000

Whoa, there it is.

476

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

Look, dude.

477

00:30:28,000 --> 00:30:29,000

Whoa.

478

00:30:29,000 --> 00:30:33,000

Oh, yeah!

479

00:30:36,000 --> 00:30:40,000

I would have to say that's a perfect hole.

480

00:30:41,000 --> 00:30:42,000

Bullseye.

481

00:30:42,000 --> 00:30:45,000

That's a donut with sugar on top.

482

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

You could make a necklace out of it.

483

00:30:47,000 --> 00:30:48,000

Wow.

484

00:30:48,000 --> 00:30:49,000

Cool.

485

00:30:49,000 --> 00:30:52,000

That's a real silver dollar, and that's a real hole.

486

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

That's it.

487

00:30:53,000 --> 00:31:00,000

But they didn't get a real hole in a real silver dollar using any of their period guns.

488

00:31:00,000 --> 00:31:02,000

I would say that this myth has busted.

489

00:31:02,000 --> 00:31:11,000

To see if it's even possible to shoot a coin tossed in the air, once again they pay a visit to cowboy action shooter, Lighten and Larry.

490

00:31:13,000 --> 00:31:17,000

Using a period gun, Larry is going to aim at some lead coins.

491

00:31:18,000 --> 00:31:22,000

Lead is much softer than silver, so this might give him the edge he needs.

492

00:31:22,000 --> 00:31:23,000

Go.

493

00:31:23,000 --> 00:31:24,000

Easy.

494

00:31:25,000 --> 00:31:26,000

How about in front of you?

495

00:31:26,000 --> 00:31:27,000

Lighten, front of you would help.

496

00:31:33,000 --> 00:31:34,000

There he is.

497

00:31:34,000 --> 00:31:35,000

There he is.

498

00:31:35,000 --> 00:31:37,000

Larry is the boss.

499

00:31:37,000 --> 00:31:40,000

That shot was as fine as cream gravy.

500

00:31:43,000 --> 00:31:44,000

That's lead.

501

00:31:44,000 --> 00:31:45,000

That was a lead.

502

00:31:45,000 --> 00:31:46,000

That was a lead.

503

00:31:46,000 --> 00:31:47,000

That was good.

504

00:31:47,000 --> 00:31:48,000

That's great.

505

00:31:48,000 --> 00:31:50,000

That is a badge of honor right there.

506

00:31:50,000 --> 00:31:58,000

There's no denying Larry is one sharp shooter, but the team proved the stunt can't be done with a silver dollar.

507

00:31:58,000 --> 00:32:01,000

Looks like we shot that one down.

508

00:32:01,000 --> 00:32:02,000

Here we go.

509

00:32:02,000 --> 00:32:09,000

Next, the team fires at an old spaghetti western trick, and Adam and Jamie make the hottest car in town.

510

00:32:09,000 --> 00:32:11,000

Whatever happens, we're burning down a car today.

511

00:32:16,000 --> 00:32:21,000

We're going to be wavering gunpoint that crack box man of Hangman's Hill takes steady aim.

512

00:32:21,000 --> 00:32:25,000

Our posse's final gunslinger myth is the hangman's noose.

513

00:32:25,000 --> 00:32:34,000

To save you from swinging from the California collar, you'd sure want a buddy who's a sure shot who hadn't been hit in a prairie due down at the saloon.

514

00:32:36,000 --> 00:32:39,000

It's the classic western last minute reprieve.

515

00:32:39,000 --> 00:32:45,000

With the noose around his partner's neck, the gunslinger had to shoot it down with a single shot.

516

00:32:46,000 --> 00:32:50,000

Tori Bilger, basic down home rustic hanging contraption.

517

00:32:50,000 --> 00:32:53,000

Oh, we're going to have fun today.

518

00:32:53,000 --> 00:32:56,000

Then he makes a silhouette of an outlaw.

519

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

The cutout is weighted down and lifted up.

520

00:33:01,000 --> 00:33:04,000

Okay, perfect.

521

00:33:04,000 --> 00:33:06,000

Now we just have to shoot that up.

522

00:33:06,000 --> 00:33:15,000

So for this setup, we have our human stand in, 150 pounds, and we're going to start off with our 1851 cap and ball black powder pistol, and then we'll move on from there.

523

00:33:16,000 --> 00:33:18,000

I sure hope help come soon.

524

00:33:18,000 --> 00:33:21,000

Our cutout can't hang on much longer.

525

00:33:21,000 --> 00:33:22,000

Fire in the hole.

526

00:33:22,000 --> 00:33:24,000

Three, two, one.

527

00:33:26,000 --> 00:33:29,000

There was a bang, but no thud.

528

00:33:29,000 --> 00:33:31,000

Do you see the circle on the rope?

529

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

I mean, that's the ball.

530

00:33:32,000 --> 00:33:34,000

It looks like it was a hit.

531

00:33:34,000 --> 00:33:35,000

I thought it would do more damage than that.

532

00:33:35,000 --> 00:33:38,000

Maybe the rope's just deflecting and turning.

533

00:33:38,000 --> 00:33:39,000

Yeah.

534

00:33:39,000 --> 00:33:40,000

Absorbing that energy.

535

00:33:40,000 --> 00:33:47,000

Sure enough, the bullet hit the rope and just grazed it, but the three amigos have a plan.

536

00:33:47,000 --> 00:33:49,000

Maybe we should move it in.

537

00:33:49,000 --> 00:33:50,000

Point blank.

538

00:33:50,000 --> 00:33:51,000

Point blank.

539

00:33:51,000 --> 00:33:52,000

Right up the edge of the rope.

540

00:33:52,000 --> 00:33:54,000

So that way there's no doubt in our mind that we hit it.

541

00:33:54,000 --> 00:33:55,000

You can't miss.

542

00:33:55,000 --> 00:33:56,000

I like it.

543

00:33:56,000 --> 00:33:59,000

They move the gun up close and personal.

544

00:33:59,000 --> 00:34:01,000

I think we're going to hit it.

545

00:34:01,000 --> 00:34:02,000

Here we go.

546

00:34:02,000 --> 00:34:04,000

In three, two, one.

547

00:34:04,000 --> 00:34:09,000

Now that's what I call rope burn, but it isn't cut.

548

00:34:09,000 --> 00:34:12,000

Why don't we move up to the 45?

549

00:34:12,000 --> 00:34:13,000

Colt.

550

00:34:13,000 --> 00:34:14,000

Yep, the peacemaker.

551

00:34:14,000 --> 00:34:17,000

And see what that does to this.

552

00:34:17,000 --> 00:34:20,000

Just the gun that won the West?

553

00:34:20,000 --> 00:34:21,000

Apparently.

554

00:34:21,000 --> 00:34:24,000

In three, two, one.

555

00:34:26,000 --> 00:34:28,000

It's like the dude's still hanging.

556

00:34:28,000 --> 00:34:29,000

I cut into it.

557

00:34:29,000 --> 00:34:30,000

Oh yeah.

558

00:34:30,000 --> 00:34:31,000

Look it.

559

00:34:31,000 --> 00:34:33,000

That's better than the other.

560

00:34:33,000 --> 00:34:38,000

We shot it right in the center of the rope and the 45 caliber wasn't able to cut it.

561

00:34:38,000 --> 00:34:41,000

The period guns just ain't cutting it.

562

00:34:45,000 --> 00:34:50,000

Meanwhile over at M5, Jamie and Adam have been testing disposable lighters.

563

00:34:50,000 --> 00:34:54,000

Are these tiny tikes potential life threats?

564

00:34:55,000 --> 00:34:56,000

I don't care what anybody says.

565

00:34:56,000 --> 00:35:01,000

The explosion from one of these lighters is not lethal and that makes all of these myths,

566

00:35:01,000 --> 00:35:04,000

at least in terms of deadliness, busted.

567

00:35:04,000 --> 00:35:06,000

Well, that was a single lighter.

568

00:35:06,000 --> 00:35:07,000

We just need more.

569

00:35:07,000 --> 00:35:12,000

We have this thing from a British newspaper that says a salesman's car burst into flames

570

00:35:12,000 --> 00:35:18,000

in Brussels when liquid gas in 500 cigarette lighters exploded in the hot sun.

571

00:35:18,000 --> 00:35:19,000

Let me see this.

572

00:35:19,000 --> 00:35:22,000

That's, that's, that you just read the whole article.

573

00:35:22,000 --> 00:35:24,000

I mean, there's not much to go on here.

574

00:35:24,000 --> 00:35:25,000

It's right down our alley.

575

00:35:25,000 --> 00:35:27,000

I guess we don't need any more information than this.

576

00:35:27,000 --> 00:35:29,000

All right, let's do it.

577

00:35:30,000 --> 00:35:36,000

The plan is to get a car and put a heating element and 500 lighters inside.

578

00:35:36,000 --> 00:35:42,000

As the lighters melt and release their gas, the guys will trigger a remote ignition source

579

00:35:42,000 --> 00:35:46,000

and hopefully the vehicle will take a trip skyward.

580

00:35:47,000 --> 00:35:54,000

So where better to conduct this potentially highly flammable myth than at a water control plan?

581

00:35:55,000 --> 00:35:56,000

Good.

582

00:35:56,000 --> 00:36:02,000

And who better to have on hand than the city of South San Francisco fire department?

583

00:36:02,000 --> 00:36:03,000

Howdy guys.

584

00:36:03,000 --> 00:36:04,000

How are you?

585

00:36:04,000 --> 00:36:05,000

How are you?

586

00:36:05,000 --> 00:36:06,000

How are you?

587

00:36:06,000 --> 00:36:09,000

Adam explains the setup to the guys.

588

00:36:09,000 --> 00:36:12,000

As long as you don't blow up the city, we're fine with it.

589

00:36:12,000 --> 00:36:14,000

That's always our goal, controlled explosions.

590

00:36:14,000 --> 00:36:19,000

And this one should be, well, we're hoping it's major, but even if it's major, it's still pretty minor.

591

00:36:19,000 --> 00:36:25,000

Yep, there's some major insight into the workings of the myth busters mind right there.

592

00:36:26,000 --> 00:36:32,000

Adam positions the vehicle chosen for the sacrifice in a high walled concrete bunker.

593

00:36:32,000 --> 00:36:33,000

That ought to do.

594

00:36:33,000 --> 00:36:40,000

Then he fills up the interior with 500 disposable lighters, stacking them in rows.

595

00:36:40,000 --> 00:36:46,000

When all this is expanded, this is over a thousand cubic centimeters of butane gas.

596

00:36:48,000 --> 00:36:52,000

Just for flavor, like a spice.

597

00:36:53,000 --> 00:36:58,000

A series of holes are drilled into the top of the car and wire inserted through it.

598

00:36:58,000 --> 00:37:04,000

Then the heat source, a vacuum form machine, is raised above the lighters.

599

00:37:04,000 --> 00:37:11,000

A vacuum form is normally used to make molded plastic packaging and gets up to a scorching 800 degrees.

600

00:37:11,000 --> 00:37:17,000

And just in case the vacuum form doesn't ignite the gas, they have a backup plan.

601

00:37:17,000 --> 00:37:20,000

In trying to hedge our bets, we're trying to create a flame bar.

602

00:37:20,000 --> 00:37:25,000

Ignition will occur at the start with a neon transformer that will create a spark.

603

00:37:25,000 --> 00:37:30,000

That spark will ignite a gasoline-soaked rope, which will travel down inside the car.

604

00:37:30,000 --> 00:37:35,000

This rope will continue to burn down to the point where it sets off the ignition.

605

00:37:40,000 --> 00:37:45,000

Everyone and everything is in position and ready to blow.

606

00:37:46,000 --> 00:37:49,000

Coming right up, the sheriff saves the day.

607

00:37:50,000 --> 00:37:54,000

And the guy's car insurance premiums skyrocket.

608

00:37:54,000 --> 00:37:56,000

Oh, that was beautiful!

609

00:38:01,000 --> 00:38:09,000

Attempting an old gunslinger myth, the gang tried their darndest to shoot down a hangman's noose in a single shot, but to no avail.

610

00:38:10,000 --> 00:38:14,000

To save their buddy, the Magnificent 3 head back to the range.

611

00:38:14,000 --> 00:38:19,000

They set up some real fancy gallows, complete with trap door.

612

00:38:21,000 --> 00:38:27,000

The charges are outlaw silhouette is falsely accused of, our mighty sirius.

613

00:38:27,000 --> 00:38:30,000

Being too drunk in town, cattle wrestling.

614

00:38:30,000 --> 00:38:32,000

All around offensiveness to a lady.

615

00:38:32,000 --> 00:38:33,000

That's right.

616

00:38:33,000 --> 00:38:39,000

If anyone's going to save him from the cold meat wagon, it's veteran cowboy action shooter Frank.

617

00:38:39,000 --> 00:38:42,000

How many shots do you think it would take you to get that done?

618

00:38:42,000 --> 00:38:49,000

You could do it in two, probably if you're good, if you're lucky, because there's a lot of luck involved in this, because once you hit it, it's going to start moving.

619

00:38:50,000 --> 00:38:54,000

He's healed with an authentic 1888 Winchester rifle.

620

00:38:58,000 --> 00:38:59,000

I hit it.

621

00:38:59,000 --> 00:39:00,000

Yeah, you hit it.

622

00:39:00,000 --> 00:39:01,000

Smoking.

623

00:39:01,000 --> 00:39:04,000

Eagle-eyed Frank hit the rope second shot.

624

00:39:05,000 --> 00:39:07,000

Trying to get the same spot, that's tough.

625

00:39:12,000 --> 00:39:13,000

Yeah!

626

00:39:14,000 --> 00:39:15,000

Wow!

627

00:39:15,000 --> 00:39:16,000

Shots in my town.

628

00:39:17,000 --> 00:39:18,000

That is impressive.

629

00:39:18,000 --> 00:39:19,000

Okay, that's tough.

630

00:39:20,000 --> 00:39:21,000

Yee-haw!

631

00:39:21,000 --> 00:39:27,000

Frank didn't get it in one, but five shots was a sensational display of shooting prowess.

632

00:39:27,000 --> 00:39:30,000

Our cowboy will live to ride another day.

633

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

Okay, it's time for the whole Mythbusters gang to cut loose and have themselves a little fun.

634

00:39:39,000 --> 00:39:41,000

Let's finish cutting that two-by-four in half.

635

00:39:41,000 --> 00:39:42,000

Yeah, let's do it!

636

00:39:42,000 --> 00:39:43,000

Yeah!

637

00:39:50,000 --> 00:39:52,000

And the gallows all fall down.

638

00:39:55,000 --> 00:39:56,000

Yeah!

639

00:39:57,000 --> 00:39:58,000

Get the guy!

640

00:39:58,000 --> 00:39:59,000

No!

641

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

Alright, so gunslinger Myths, where do we stand?

642

00:40:02,000 --> 00:40:04,000

Quickdraw Myth is totally busted.

643

00:40:04,000 --> 00:40:08,000

You can't draw your weapon and fire off five shots before Silver Dollar hits the ground.

644

00:40:08,000 --> 00:40:10,000

Silver Dollar? Completely busted.

645

00:40:10,000 --> 00:40:13,000

We couldn't put a hole through a Silver Dollar with any of our period weapons.

646

00:40:13,000 --> 00:40:15,000

And shooting out the hangman's noose busted.

647

00:40:15,000 --> 00:40:21,000

You can probably shoot it out maybe three or more shots, but to shoot it out in one shot, it's not possible.

648

00:40:21,000 --> 00:40:23,000

So that sounds totally definitive.

649

00:40:23,000 --> 00:40:28,000

I will alert the Discovery Webmaster for the onslaught of complaints that you guys screwed it up somehow.

650

00:40:28,000 --> 00:40:29,000

That sounds perfect.

651

00:40:29,000 --> 00:40:31,000

Yep, they know where to find us.

652

00:40:39,000 --> 00:40:45,000

Jamie and Adam have already proved that a single disposable lighter can go off with a poof.

653

00:40:45,000 --> 00:40:46,000

Oh!

654

00:40:47,000 --> 00:40:49,000

But they're looking for more of a kaboom.

655

00:40:49,000 --> 00:40:55,000

So to up the ante, they filled a car with 500 and are about to see what happens.

656

00:40:55,000 --> 00:41:03,000

I think what we're going to see is a fireball, and then this thing's going to be nice and crispy, cage and fried within five minutes.

657

00:41:03,000 --> 00:41:07,000

Sounds delicious. The heating element is switched on.

658

00:41:08,000 --> 00:41:14,000

Okay, we're at three minutes. We should start to see some of these start to blow their fuel out.

659

00:41:14,000 --> 00:41:18,000

Under the extreme high temperature, the lighters cook fast.

660

00:41:18,000 --> 00:41:22,000

Oh, there we go. There we go. We just lost one. One went. Oh, there goes another one.

661

00:41:22,000 --> 00:41:24,000

We could see a ignition at any time.

662

00:41:24,000 --> 00:41:26,000

Oh, there goes another one.

663

00:41:27,000 --> 00:41:29,000

They're just going about every second now.

664

00:41:30,000 --> 00:41:34,000

Just like popcorn, one after another they burst and release their butane.

665

00:41:34,000 --> 00:41:36,000

Anyone got any melted butter?

666

00:41:36,000 --> 00:41:39,000

It's working like clockwork. I love that.

667

00:41:39,000 --> 00:41:42,000

And there should be plenty in there to get ignition.

668

00:41:42,000 --> 00:41:45,000

It might be time for me to hit the sparker.

669

00:41:45,000 --> 00:41:46,000

You think so?

670

00:41:46,000 --> 00:41:49,000

It's going to be very close to an optimal ignition ratio.

671

00:41:49,000 --> 00:41:51,000

Okay, I'm going to go for it.

672

00:41:51,000 --> 00:41:52,000

All right.

673

00:41:52,000 --> 00:41:54,000

Jamie bends the switch for the sparker.

674

00:41:54,000 --> 00:41:55,000

Count it down.

675

00:41:55,000 --> 00:41:59,000

Three, two, one.

676

00:42:01,000 --> 00:42:02,000

Yeah!

677

00:42:02,000 --> 00:42:06,000

That was beautiful.

678

00:42:06,000 --> 00:42:08,000

Dude, it blew out the back window.

679

00:42:08,000 --> 00:42:10,000

And the rest of them are starting to go now.

680

00:42:10,000 --> 00:42:12,000

Poop, poop, poop.

681

00:42:12,000 --> 00:42:13,000

Dude, that was so cool.

682

00:42:13,000 --> 00:42:16,000

That concussion was magnificent. It knocked the windows right out.

683

00:42:16,000 --> 00:42:21,000

If you needed one more reason to give up smoking, there it is.

684

00:42:21,000 --> 00:42:24,000

I saw the fire leap across the lighters.

685

00:42:24,000 --> 00:42:25,000

Boom!

686

00:42:25,000 --> 00:42:29,000

And then I looked over here just in time to watch that back window flying off the car.

687

00:42:29,000 --> 00:42:31,000

It was awesome.

688

00:42:31,000 --> 00:42:33,000

Look at that. It blew out all the glass.

689

00:42:33,000 --> 00:42:37,000

So if you ever want to take 500 disposable lighters for a drive,

690

00:42:37,000 --> 00:42:40,000

turn up the air conditioner.

691

00:42:41,000 --> 00:42:44,000

I want to seal this and hang it on the wall.

692

00:42:44,000 --> 00:42:45,000

This is magnificent.

693

00:42:45,000 --> 00:42:47,000

This is just what I was hoping to end up with.

694

00:42:47,000 --> 00:42:49,000

A little modern art.

695

00:42:49,000 --> 00:42:51,000

Charred and burnt.

696

00:42:51,000 --> 00:42:56,000

And where does all this impressive debris leave our exploding lighter bits?

697

00:42:56,000 --> 00:42:58,000

Okay, well, how are we going to wrap this up?