

1

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

Give me that.

2

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

Yeah, but too.

3

00:01:13,000 --> 00:01:15,000

I didn't even think that was possible.

4

00:01:30,000 --> 00:01:46,000

Why is he here?

5

00:01:46,000 --> 00:01:49,000

I don't know, but I would just get on with it.

6

00:01:49,000 --> 00:01:54,000

So, I could be mistaken, but I'm getting the sense that we're doing something with guns?

7

00:01:54,000 --> 00:01:55,000

You are totally right.

8

00:01:55,000 --> 00:02:02,000

Specifically shooters with seemingly supernatural abilities with guns.

9

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

Later on, we've got a story about a guy who fires bullets that he holds in his hand while he holds his hand in a fire.

10

00:02:11,000 --> 00:02:13,000

So, the bullets are like between his fingers?

11

00:02:13,000 --> 00:02:20,000

Exactly, but first up, we have a sort of a classic movie hitman trope in which hitman is tracking his guy.

12

00:02:20,000 --> 00:02:24,000

His guy goes behind the wall, but it turns out to be no barrier for the hitman.

13

00:02:24,000 --> 00:02:28,000

He knows where he is, tracks him, shoots through the wall, and right through his prep.

14

00:02:28,000 --> 00:02:33,000

So, we want to find out whether or not a bullet would go through a wall easily,

15

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

and whether you can actually track somebody behind the wall without seeing them.

16

00:02:37,000 --> 00:02:43,000

Exactly. I've been wanting to do this story for so long, it is going to be awesome.

17

00:02:43,000 --> 00:02:55,000

Now, when we're talking about shooting through walls, the word wall could mean many, many different things

18

00:02:55,000 --> 00:02:58,000

based on when and where the building you're in was actually constructed.

19

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

Ah, too big. Too big.

20

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

The walls could be made of different materials and they could have lots of different things inside them.

21

00:03:05,000 --> 00:03:06,000

It started to look like something.

22

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

We want a broad representation of walls to shoot at.

23

00:03:09,000 --> 00:03:13,000

So, I've assembled all the materials walls have been built out of over the last hundred years.

24

00:03:13,000 --> 00:03:16,000

The house I grew up in was all lath and plaster.

25

00:03:16,000 --> 00:03:18,000

Ah, the old crafts.

26

00:03:18,000 --> 00:03:22,000

As well as a lot of the things, electrical boxes, insulation.

27

00:03:22,000 --> 00:03:23,000

I hate fiberglass insulation.

28

00:03:23,000 --> 00:03:27,000

Wiring and plumbing that you'd find inside those walls.

29

00:03:27,000 --> 00:03:31,000

Hey, that's awesome. It fits. When does that ever happen?

30

00:03:31,000 --> 00:03:38,000

With this, we should be able to make the targets that we need to find out just how bulletproof or not walls actually might be.

31

00:03:38,000 --> 00:03:40,000

Almost ready for shooting.

32

00:03:41,000 --> 00:03:51,000

Now it's ready for shooting and so am I. Decided to come in costume as the man in black, the man of mystery, the man you don't want to see at your doorstep.

33

00:03:53,000 --> 00:03:56,000

Normally when we're using guns, we come to a firing range.

34

00:03:58,000 --> 00:04:05,000

But because we're going to be firing into walls, these bullets may behave well unpredictably.

35

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

I think it looks pretty good.

36

00:04:06,000 --> 00:04:13,000

So instead of using the normal targeting range, we're going to go off to one end where we can safely control what happens.

37

00:04:15,000 --> 00:04:20,000

It's time to introduce you to the ammunition and pistol we'll be using today for the experiment.

38

00:04:20,000 --> 00:04:23,000

The bullets we'll be firing are standard high velocity hollow point rounds.

39

00:04:23,000 --> 00:04:30,000

They'll be fired from a standard double action nine millimeter pistol used by the military and law enforcement of the world over.

40

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

And also a staple of action movie heroes. Here we go.

41

00:04:36,000 --> 00:04:53,000

And you know that's true because you heard it from the hit man. Did I pull that off?

42

00:04:53,000 --> 00:05:09,000

The panel will be shooting into is composed of the kinds of things that you would find in a standard wall from sheet rock to a solid wood stud sheet metal stud sections with plumbing fixtures and lastly an electrical box.

43

00:05:09,000 --> 00:05:13,000

Now we'll be firing bullets out of this nine millimeter pistol into those sections.

44

00:05:13,000 --> 00:05:15,000

I guess that I'll do it.

45

00:05:15,000 --> 00:05:20,000

Of course for safety, we'll be triggering this from behind the blast shields.

46

00:05:21,000 --> 00:05:26,000

Now we don't just want to shoot at walls. We also want to witness what happens when the bullet and the wall meet.

47

00:05:26,000 --> 00:05:31,000

Thus we've set our high speed camera perched carefully above looking down through the inside of the wall.

48

00:05:31,000 --> 00:05:36,000

We've also chosen an extremely high frame rate of 17,000 frames per second.

49

00:05:36,000 --> 00:05:39,000

That's one of the highest frame rates we've ever used on the show.

50

00:05:39,000 --> 00:05:42,000

All will be known by this ring.

51

00:05:42,000 --> 00:05:44,000

And with a steel backstop.

52

00:05:44,000 --> 00:05:46,000

It makes a cool noise when a bullet hits it.

53

00:05:46,000 --> 00:05:50,000

Their six and one interior wall mockup is ready to go.

54

00:05:50,000 --> 00:05:54,000

Will any of them halt a Hollywood hit man?

55

00:05:54,000 --> 00:05:56,000

First up a blast from the past.

56

00:05:56,000 --> 00:05:58,000

Lath and plaster.

57

00:05:58,000 --> 00:06:03,000

I actually think that Lath and plaster is going to do pretty good in slowing the forward progress of the bullet.

58

00:06:03,000 --> 00:06:04,000

Range is hot.

59

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

Whether it stops completely, I can't say.

60

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

Count it down.

61

00:06:07,000 --> 00:06:10,000

But I do think it's going to provide a nice barrier.

62

00:06:10,000 --> 00:06:14,000

Okay, nine millimeter into Lath and plaster.

63

00:06:14,000 --> 00:06:18,000

Three, two, one.

64

00:06:24,000 --> 00:06:29,000

Well, it did the classic small entry wound, larger exit wound.

65

00:06:29,000 --> 00:06:31,000

But it looks like it came out pretty straight.

66

00:06:31,000 --> 00:06:38,000

With a bullet's trajectory unaffected and the velocity hardly hindered,

67

00:06:39,000 --> 00:06:44,000

the oldie wall would have provided no protection for our hit man's hidden target.

68

00:06:44,000 --> 00:06:47,000

And that sounds good for the myth.

69

00:06:47,000 --> 00:06:50,000

Made a resounding clang when it hit this backstop.

70

00:06:50,000 --> 00:06:54,000

I guess that means that he would probably get penetrated by that bullet.

71

00:06:54,000 --> 00:06:55,000

Up next.

72

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

All right, let's slide this puppy down.

73

00:06:57,000 --> 00:07:01,000

Will this more modern eco-friendly fortification fare any better?

74

00:07:01,000 --> 00:07:04,000

This test is against two layers of drywall.

75

00:07:04,000 --> 00:07:05,000

Range is hot.

76

00:07:05,000 --> 00:07:10,000

With about three and a half inches of fiberglass insulation between them.

77

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

Nice.

78

00:07:11,000 --> 00:07:16,000

Right through the square, heard the ding of the steel, couldn't have gone better.

79

00:07:17,000 --> 00:07:19,000

More good news for the myth.

80

00:07:19,000 --> 00:07:27,000

Two targets taken down and no sign the bullet has been significantly slowed or in any way altered.

81

00:07:29,000 --> 00:07:31,000

I love that sound.

82

00:07:31,000 --> 00:07:39,000

A result replicated when the sheet metal and wooden studs are also found to be duds.

83

00:07:39,000 --> 00:07:41,000

But now it gets interesting.

84

00:07:41,000 --> 00:07:45,000

Next up is the first time our bullets going to encounter an actual object inside the wall.

85

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

And that is copper plumbing.

86

00:07:47,000 --> 00:07:49,000

We're going to hit it right there.

87

00:07:49,000 --> 00:07:52,000

And this is the reason for all of our safety shields.

88

00:07:52,000 --> 00:07:55,000

The bullet could spatter in a lot of different directions when it hits this.

89

00:07:55,000 --> 00:07:59,000

Firing in three, two, one.

90

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

Oh, that looks like a perfect hit.

91

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

A perfect hit through and through.

92

00:08:10,000 --> 00:08:14,000

With the bullets trajectory and speed only marginally affected,

93

00:08:14,000 --> 00:08:19,000

the myth that a hit man can hit his hidden target is still looking good.

94

00:08:19,000 --> 00:08:22,000

But what about the toughest target yet?

95

00:08:22,000 --> 00:08:24,000

A steel junction box.

96

00:08:25,000 --> 00:08:26,000

Oh!

97

00:08:31,000 --> 00:08:33,000

Oh, yes!

98

00:08:35,000 --> 00:08:37,000

Oh, you're going to love this.

99

00:08:37,000 --> 00:08:43,000

The whole story of the bullets stoppage is apparent in this one shot, which we will cut to right.

100

00:08:46,000 --> 00:08:53,000

It took a solid piece of steel in exactly the right place to halt the bullets' momentum and disperse its kinetic energy.

101

00:08:53,000 --> 00:08:57,000

But clearly, this is the exception and not the rule.

102

00:08:57,000 --> 00:08:59,000

The myth is on track.

103

00:08:59,000 --> 00:09:04,000

I have to say I'm pretty surprised at the results that only one of our in-wall obstacles, the electrical box,

104

00:09:04,000 --> 00:09:08,000

actually stopped the bullet called the rest made it through.

105

00:09:08,000 --> 00:09:13,000

Now what that means for the myth is walls are okay to shoot through if you're a hit man.

106

00:09:13,000 --> 00:09:17,000

From my vantage point, it's looking pretty good for the myth.

107

00:09:20,000 --> 00:09:26,000

And so it's back to the show where our hard to please professional is waiting for an update.

108

00:09:27,000 --> 00:09:28,000

So is that it?

109

00:09:28,000 --> 00:09:32,000

No, no, no. We actually have a few more tests to do before we finally call shooting through walls,

110

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

but we're now jumping to the second story in this episode.

111

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

It's from a movie called Shoot'em Up.

112

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

I am dead on about who you are, right?

113

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

Say that again.

114

00:09:41,000 --> 00:09:44,000

I said, I am dead.

115

00:09:44,000 --> 00:09:45,000

Stop.

116

00:09:45,000 --> 00:09:47,000

That part of it you got right.

117

00:09:47,000 --> 00:09:52,000

At the end of the movie, our hero is cornered. It looks like he is dead. He doesn't even have a gun.

118

00:09:52,000 --> 00:09:57,000

But what the bad guy doesn't know is that the hero has a handful of bullets shoved between his fingers.

119

00:09:57,000 --> 00:10:00,000

He thrusts his hand into the fire and two seconds later,

120

00:10:03,000 --> 00:10:05,000

no more bad guys.

121

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

What was that?

122

00:10:12,000 --> 00:10:14,000

We were reenacting the movie.

123

00:10:14,000 --> 00:10:16,000

Oh, wait.

124

00:10:16,000 --> 00:10:19,000

What we want to find out is one, can bullets go off that fast in a fire?

125

00:10:19,000 --> 00:10:22,000

Two, if they can, could you aim them?

126

00:10:22,000 --> 00:10:24,000

And three, are they remotely lethal?

127

00:10:24,000 --> 00:10:28,000

So which one of you geniuses is going to stick his hand in the fire?

128

00:10:28,000 --> 00:10:32,000

Well, we haven't thought that far ahead yet.

129

00:10:32,000 --> 00:10:35,000

Well, whatever. I've got a plane to catch.

130

00:10:37,000 --> 00:10:39,000

Shall we start testing?

131

00:10:39,000 --> 00:10:41,000

Sure.

132

00:10:41,000 --> 00:10:48,000

For that, Adam and Jamie hit their all-time favorite location to cause a commotion.

133

00:10:48,000 --> 00:10:50,000

Lots of goats.

134

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

They don't seem to mind the fact that my jacket is made out of them.

135

00:10:53,000 --> 00:10:59,000

To set off this myth, the first item on the menu is a controlled fire.

136

00:10:59,000 --> 00:11:04,000

Even a simple fire can be fraught with difficulties and dangers that are unforeseen.

137

00:11:04,000 --> 00:11:09,000

That's why one, we've come out here to the Alameda County Sheriff's Bomb Range to set this fire.

138

00:11:09,000 --> 00:11:16,000

Two, we've put it in a barbecue and three, Jamie and I are wearing all the proper safety equipment to make sure nothing gets out of control.

139

00:11:16,000 --> 00:11:21,000

Safety is always of the first priority to us. We don't like to let anything get out of control.

140

00:11:21,000 --> 00:11:24,000

All right, that's more like it. That's a nice little fire.

141

00:11:24,000 --> 00:11:30,000

After the flames have died down, it's time to get cooking, and they're starting out hands-free.

142

00:11:30,000 --> 00:11:32,000

But they're also playing it safe.

143

00:11:32,000 --> 00:11:36,000

The single round being baked has had the projectile removed.

144

00:11:36,000 --> 00:11:43,000

The empty case and primer will react to the heat, but no one's in danger of being shot yet.

145

00:11:43,000 --> 00:11:46,000

Question is, will the ignition match the movie?

146

00:11:46,000 --> 00:11:51,000

Now there are three things that we will be testing in this fire test with the bullet shell casings.

147

00:11:51,000 --> 00:11:52,000

You ready to do this?

148

00:11:52,000 --> 00:11:53,000

Yeah.

149

00:11:53,000 --> 00:11:55,000

One is, will the shell casing go off in the fire?

150

00:11:55,000 --> 00:11:59,000

Two, will it go off exactly where our hero is holding his hand in the film clip?

151

00:11:59,000 --> 00:12:03,000

He holds his hand just about three inches above the logs, right in there.

152

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

And three, will it go off in two seconds?

153

00:12:06,000 --> 00:12:07,000

Okay.

154

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

Shell casing test in three, two, one.

155

00:12:17,000 --> 00:12:19,000

That's longer than two seconds.

156

00:12:19,000 --> 00:12:20,000

Five.

157

00:12:20,000 --> 00:12:26,000

We know that the chemical in the bullet primer ignites at about 300 degrees or above.

158

00:12:26,000 --> 00:12:27,000

Fifteen.

159

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

That's just where he was holding his hand.

160

00:12:29,000 --> 00:12:37,000

But the thing is, it's surrounded by metal, and that metal is insulating it from the 1500 degree plus heat in the fire.

161

00:12:39,000 --> 00:12:40,000

Twenty.

162

00:12:40,000 --> 00:12:42,000

Geez, I'm crow.

163

00:12:43,000 --> 00:12:44,000

Twenty-five.

164

00:12:44,000 --> 00:12:46,000

It's right in the fire.

165

00:12:46,000 --> 00:12:52,000

Now eventually the metal does heat up, and it gets that primer to its 300 degree plus.

166

00:12:52,000 --> 00:12:53,000

There it goes.

167

00:12:53,000 --> 00:12:54,000

And it goes off.

168

00:12:56,000 --> 00:12:57,000

Forty-three seconds.

169

00:12:57,000 --> 00:12:58,000

Forty-three seconds.

170

00:12:58,000 --> 00:13:01,000

That's a lot.

171

00:13:01,000 --> 00:13:05,000

It did go off, but it took its sweet time.

172

00:13:05,000 --> 00:13:08,000

Time our Hollywood hero would not have had.

173

00:13:08,000 --> 00:13:11,000

But Adam and Jamie aren't giving up.

174

00:13:11,000 --> 00:13:15,000

Up next, it's go big, but not at home.

175

00:13:15,000 --> 00:13:18,000

The movie, shoot them up.

176

00:13:18,000 --> 00:13:23,000

Looks like it's being shot down.

177

00:13:23,000 --> 00:13:29,000

Well, the results of our movie parameter test are in, and the two-second time is totally out.

178

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

Forty-three seconds.

179

00:13:31,000 --> 00:13:35,000

The fire gets a lot hotter inside among the hot air.

180

00:13:35,000 --> 00:13:42,000

I think we should do another test to find out if there's any place in this fire where we can get the bullet to go off in two seconds, and frankly, I predict we totally will.

181

00:13:42,000 --> 00:13:45,000

So for test two, Jamie stokes the fire.

182

00:13:45,000 --> 00:13:48,000

Mommy, I don't like barbecues at Jamie's house.

183

00:13:48,000 --> 00:13:52,000

Because this time they're baking the bullet deep among the coals.

184

00:13:52,000 --> 00:13:55,000

A temperature differential for the fire.

185

00:13:55,000 --> 00:13:58,000

And the fire is going to be a little bit more intense.

186

00:13:58,000 --> 00:14:01,000

But it's going to be a little bit more intense.

187

00:14:01,000 --> 00:14:04,000

We're baking the bullet deep among the coals.

188

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

A temperature differential from test one of 800 degrees.

189

00:14:08,000 --> 00:14:09,000

Alright, sir, are you ready?

190

00:14:09,000 --> 00:14:10,000

I'm ready.

191

00:14:10,000 --> 00:14:11,000

I'm going all the way in this time.

192

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

Looking for the hot spot.

193

00:14:13,000 --> 00:14:15,000

Looking for something close to two seconds.

194

00:14:15,000 --> 00:14:19,000

Three, two, one.

195

00:14:19,000 --> 00:14:30,000

Two, four, five, six, seven, eight, nine, ten.

196

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

Those didn't sound like regular seconds.

197

00:14:33,000 --> 00:14:35,000

What kind of seconds were you counting there?

198

00:14:35,000 --> 00:14:40,000

Two, four, five, six, seven, eight, nine, ten.

199

00:14:40,000 --> 00:14:42,000

What kind of seconds are those?

200

00:14:42,000 --> 00:14:44,000

Who counts like that?

201

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

What was the time?

202

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

Ten seconds.

203

00:14:48,000 --> 00:14:56,000

I think we've definitively proven that there's no way a bullet is going to go off in that fire in two seconds flat.

204

00:14:56,000 --> 00:14:57,000

Yeah.

205

00:14:57,000 --> 00:15:01,000

It will go off, but not in two seconds.

206

00:15:01,000 --> 00:15:07,000

Even exposed to the hottest heart of the fire, at temperatures no human hand could survive,

207

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

the primer did not reach its flash point in anything like the time it took in the movie.

208

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

I think we could use a hand on this story.

209

00:15:16,000 --> 00:15:22,000

But although one facet of this film fable is an obvious fiction, the guys aren't done yet.

210

00:15:22,000 --> 00:15:27,000

Well, it's true that the timing of the hand in fire is busted.

211

00:15:27,000 --> 00:15:32,000

Nevertheless, I've got to find out whether bullets fired in that manner are both accurate and lethal.

212

00:15:32,000 --> 00:15:36,000

So to do that, I need a hand that I can heat up safely.

213

00:15:36,000 --> 00:15:41,000

Yep. Dr. Franken-Honneman is making a heat-resistant human hand.

214

00:15:41,000 --> 00:15:46,000

Well, we've got a good start with the grinder, but from here on in, it's mostly going to be blacksmithing.

215

00:15:52,000 --> 00:15:59,000

One of the joys of doing this kind of work is first, there was nothing, and then there was something.

216

00:15:59,000 --> 00:16:07,000

That something being an adjustable articulated hand able to realistically grip bullets between each finger,

217

00:16:07,000 --> 00:16:12,000

detailed and disturbing work the doctor clearly enjoys.

218

00:16:12,000 --> 00:16:21,000

I've left a texture that is not unlike the wrinkles in my finger, and where it kind of smooths out over the knuckle.

219

00:16:21,000 --> 00:16:31,000

I've done that with a blob of weld. It's all very fast and crude, but it gives it a strangely organic look for it being all metal.

220

00:16:31,000 --> 00:16:42,000

For added accuracy, it fits like a, you know what, a leather glove that grips like skin is heat molded onto the metal skeleton.

221

00:16:42,000 --> 00:16:48,000

And to gauge human-like strength, position number one between the thumb and index finger.

222

00:16:48,000 --> 00:16:52,000

Adam sets a calibration benchmark with his own grip.

223

00:16:52,000 --> 00:16:59,000

8.1 pounds. This force cage here holds what's called a peak value. That is the most amount of weight that it took since you last pressed zero.

224

00:16:59,000 --> 00:17:08,000

Now, I will put the bullet on this string on the force cage and hold it between two fingers as hard as I can until it lets go.

225

00:17:08,000 --> 00:17:14,000

Ow, ow. And then I read that value, enter it into this chart.

226

00:17:14,000 --> 00:17:21,000

With the data handed over, Jamie mechanically matches Adam's grip strength to his metal digits.

227

00:17:21,000 --> 00:17:27,000

A couple of minor adjustments, and I think we should be all set.

228

00:17:27,000 --> 00:17:30,000

And this myth is all set to go off.

229

00:17:30,000 --> 00:17:31,000

It's perfect.

230

00:17:31,000 --> 00:17:39,000

But first, there's some unfinished business for a wall shooting hitman.

231

00:17:39,000 --> 00:17:50,000

Now that we've determined exactly how porous walls are and that bullets will most likely make it through them, it's time to deal with what's on the other side.

232

00:17:50,000 --> 00:17:57,000

So, you are the good guy, the camera, you're people watching TV, and you're looking at a wall and there's a bad guy behind.

233

00:17:57,000 --> 00:18:03,000

Whereas, oh, there he is. Now that bad guy is going to move behind the wall and you've got to shoot him. How are you going to do that?

234

00:18:03,000 --> 00:18:12,000

We figured there's two methods that you could use. One is, you could watch him run behind and make an assumption that he's going to maintain his speed, bang, and try and shoot him.

235

00:18:12,000 --> 00:18:22,000

Or, you could listen for the sound of his footsteps and use your natural powers of triangulation to

make an assumption about where he is and shoot there.

236

00:18:22,000 --> 00:18:29,000

I'm not sure if either one of those is going to work, but in either case it's going to require a rig with a motorized dude on it.

237

00:18:29,000 --> 00:18:36,000

What's the dude? What are you doing, dude? He's not a very handsome dude. Something kind of like this.

238

00:18:36,000 --> 00:18:47,000

So, bullets can penetrate an interior wall, but is hitting your target as easy as Hollywood would have us believe.

239

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

That is so weird.

240

00:18:49,000 --> 00:18:54,000

To find out, the team is testing two mythical methods.

241

00:18:54,000 --> 00:18:57,000

First up, target tracking.

242

00:18:57,000 --> 00:19:06,000

That's how this test is going to work. Our target, that's me, will always start every test by moving from a visible position to an obscured position.

243

00:19:06,000 --> 00:19:13,000

The operator will be able to control the position of the target with this joystick and be able to see what he's doing through this monitor.

244

00:19:13,000 --> 00:19:23,000

The shooter must use trajectory tracking and their intuition to surmise where the target might be behind the wall and attempt to shoot them through the wall.

245

00:19:23,000 --> 00:19:30,000

There are two restrictions of this test. One is, the shooter can't start shooting until the target is past that yellow and black line.

246

00:19:30,000 --> 00:19:35,000

All the action happens on that side. And, only one bullet at a time.

247

00:19:35,000 --> 00:19:43,000

This first test is going to be pretty basic. I'm going to be moving the target at what amounts to walking speed continuously.

248

00:19:43,000 --> 00:19:45,000

Jamie, you ready to start this?

249

00:19:45,000 --> 00:19:47,000

I am.

250

00:19:47,000 --> 00:19:57,000

Gun is loaded. Safety is off. Range is hot.

251

00:19:57,000 --> 00:19:59,000

Alright, count me down, sir.

252

00:19:59,000 --> 00:20:04,000

Three, two, one.

253

00:20:04,000 --> 00:20:21,000

Stop. Let's see if I hit him. I'm going to go inspect.

254

00:20:21,000 --> 00:20:27,000

Well, it turns out with velocity tracking of an obscured target.

255

00:20:27,000 --> 00:20:37,000

A perfect hit. I'm actually pretty good. I got myself in the face on the first try. A perfect hit.

256

00:20:37,000 --> 00:20:41,000

But maybe Adam got lucky. It's Jamie's turn.

257

00:20:41,000 --> 00:20:48,000

Okay. Range is hot.

258

00:20:48,000 --> 00:20:54,000

Time to double down on the data.

259

00:20:54,000 --> 00:20:56,000

Let's go see if you hit me.

260

00:20:56,000 --> 00:21:03,000

With nothing to go on but the projected trajectory of the target, how did Hanuman the hitman fare?

261

00:21:03,000 --> 00:21:04,000

Yeah.

262

00:21:04,000 --> 00:21:09,000

Nice. Right there. Took out my left lung.

263

00:21:09,000 --> 00:21:15,000

Adam and I both got what might have been kill shots on our first go, but that was following a consistent movement.

264

00:21:15,000 --> 00:21:19,000

So, that obviously is the best case scenario.

265

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

Look at that.

266

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

Nice little boo boo.

267

00:21:23,000 --> 00:21:29,000

The reality is going to be more like somebody is starting and stopping. Who knows what they're doing back there.

268

00:21:29,000 --> 00:21:34,000

And the only thing he might have to go on is sound.

269

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

So, that's what we're going to try next.

270

00:21:53,000 --> 00:21:58,000

Give me that.

271

00:21:58,000 --> 00:22:10,000

The ultimate Hollywood anti-hero. With a seemingly supernatural ability, he always gets his mark.

272

00:22:10,000 --> 00:22:13,000

Or does he?

273

00:22:13,000 --> 00:22:16,000

Sounds like it's time for test two.

274

00:22:16,000 --> 00:22:21,000

This test is going to be pretty much like the last one except that the target is going to be moving all over the place.

275

00:22:21,000 --> 00:22:25,000

And the only thing that the shooter will have to go by is the sound of footsteps.

276

00:22:25,000 --> 00:22:29,000

Can I hear a test of that?

277

00:22:29,000 --> 00:22:43,000

With the fake footstep audio coming from a speaker attached to the target.

278

00:22:43,000 --> 00:22:45,000

I can kind of hear it go.

279

00:22:45,000 --> 00:22:47,000

The setup is complete.

280

00:22:47,000 --> 00:22:53,000

I thought this would be pretty cool in practice. It's far cooler.

281

00:22:53,000 --> 00:22:56,000

What do you think? One shot this time? Or how about three shots?

282

00:22:56,000 --> 00:22:58,000

Yeah, let's have the any.

283

00:22:58,000 --> 00:22:59,000

Alright, so are you ready?

284

00:22:59,000 --> 00:23:00,000

I'm ready.

285

00:23:00,000 --> 00:23:06,000

You're wondering how we're going to do a test about hearing for footsteps when we're hearing protection to protect ourselves from the sound of the gun going off.

286

00:23:06,000 --> 00:23:08,000

Excellent. Sounds loud and clear.

287

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

The sound of the sound is really cool.

288

00:23:10,000 --> 00:23:12,000

The sound of the sound is really cool.

289

00:23:12,000 --> 00:23:14,000

The sound of the sound is really cool.

290

00:23:14,000 --> 00:23:16,000

The sound of the sound is really cool.

291

00:23:16,000 --> 00:23:18,000

The sound of the sound is really cool.

292

00:23:18,000 --> 00:23:20,000

The sound of the sound is really cool.

293

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

The sound of the sound is really cool.

294

00:23:22,000 --> 00:23:24,000

The sound of the sound is really cool.

295

00:23:24,000 --> 00:23:26,000

The sound of the sound is really cool.

296

00:23:26,000 --> 00:23:28,000

The sound of the sound is really cool.

297

00:23:28,000 --> 00:23:30,000

The sound of the sound is really cool.

298

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

The sound of the sound is really cool.

299

00:23:32,000 --> 00:23:34,000

The sound of the sound is really cool.

300

00:23:34,000 --> 00:23:39,000

I must admit, I'm a little surprised that both Jamie and I got successful kill shots on the first test.

301

00:23:39,000 --> 00:23:40,000

Ha!

302

00:23:40,000 --> 00:23:41,000

Ha ha ha ha!

303

00:23:41,000 --> 00:23:43,000

A perfect hit!

304

00:23:43,000 --> 00:23:51,000

But on the second one, I personally think it's going to be a lot harder to triangulate the sound of footsteps behind a barrier.

305

00:23:51,000 --> 00:23:52,000

Count me in, sir.

306

00:23:52,000 --> 00:23:55,000

I'm giving myself a new 20% chance of actually hitting this thing.

307

00:23:55,000 --> 00:23:58,000

Three, two, one.

308

00:24:04,000 --> 00:24:14,000

Let's see if I hit him.

309

00:24:14,000 --> 00:24:23,000

Adam acoustically and intuitively tuned in to his target's tread and took him out.

310

00:24:23,000 --> 00:24:25,000

Oh, looks like you got him.

311

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

No way.

312

00:24:26,000 --> 00:24:27,000

Oh, no, I'm sorry.

313

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

No, or not.

314

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

No, that was there before.

315

00:24:29,000 --> 00:24:30,000

That was from this, yes.

316

00:24:30,000 --> 00:24:31,000

What's that?

317

00:24:31,000 --> 00:24:32,000

Oh!

318

00:24:32,000 --> 00:24:33,000

Adam missed.

319

00:24:33,000 --> 00:24:34,000

Oh, savage.

320

00:24:34,000 --> 00:24:39,000

And you'll notice that he clustered three of his shots in one small area.

321

00:24:39,000 --> 00:24:41,000

I'm not so sure that's the best approach.

322

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

If I were doing this, which I'm about to, I'm ready.

323

00:24:45,000 --> 00:24:56,000

I think I'd be inclined to do a sweep across an area to try and bracket in the sound because we can

hear the sounds, but pinpointing it, not so much.

324

00:25:03,000 --> 00:25:14,000

Despite the benefit of being able to adapt his tactics, Jamie missed as well.

325

00:25:14,000 --> 00:25:27,000

So while you can easily shoot through a wall, the real world detail of the prey's unpredictable position makes hitting a moving target tough, and this myth is on the ropes.

326

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

So what do you think?

327

00:25:28,000 --> 00:25:31,000

Have we answered the question of shooting people on the other side of the walls?

328

00:25:31,000 --> 00:25:32,000

How easy it is?

329

00:25:32,000 --> 00:25:38,000

Mechanical moving targets are all well and good, but I don't think there's any substitute for the real thing.

330

00:25:38,000 --> 00:25:41,000

I think we ought to shoot at each other.

331

00:25:41,000 --> 00:25:43,000

Maybe...

332

00:25:43,000 --> 00:25:47,000

Not with real guns, right?

333

00:25:47,000 --> 00:25:49,000

Well, okay.

334

00:25:49,000 --> 00:25:50,000

Paintball guns.

335

00:25:50,000 --> 00:25:51,000

Paintball guns.

336

00:25:51,000 --> 00:25:53,000

Okay, I think we can do that test.

337

00:25:53,000 --> 00:26:01,000

A new test, a new day, and a new location for a spot of hitman elimination.

338

00:26:23,000 --> 00:26:32,000

Morning.

339

00:26:32,000 --> 00:26:33,000

Morning.

340

00:26:33,000 --> 00:26:34,000

Shall we get to work?

341

00:26:34,000 --> 00:26:35,000

Yeah, let's do it.

342

00:26:35,000 --> 00:26:48,000

We have brought you to an abandoned machine shop in Mare Island, California to put all the

disparate elements of this story back together for a nice, violent, fun-filled, family-friendly finale.

343

00:26:48,000 --> 00:26:56,000

So it's time we ramp things up and use live human targets that are moving, namely Adam and I.

344

00:26:56,000 --> 00:26:57,000

That's right.

345

00:26:57,000 --> 00:26:59,000

It's you and me, Heinemann.

346

00:26:59,000 --> 00:27:04,000

Suit up.

347

00:27:04,000 --> 00:27:05,000

Am I out?

348

00:27:05,000 --> 00:27:06,000

Uh-uh.

349

00:27:06,000 --> 00:27:10,000

Aw, crap.

350

00:27:10,000 --> 00:27:13,000

For this gunfight head-to-head.

351

00:27:13,000 --> 00:27:14,000

So freaking cool.

352

00:27:14,000 --> 00:27:19,000

Adam and Jamie are putting the human back into the experimental equation.

353

00:27:19,000 --> 00:27:22,000

This last test is a classic cat and mouse.

354

00:27:22,000 --> 00:27:24,000

We're building a hitman fantasy camp.

355

00:27:24,000 --> 00:27:31,000

Jamie and I are going to stalk each other through a labyrinth, created of walls, making hallways, rooms, doorways, the whole kitten cabuto.

356

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

Excuse me.

357

00:27:32,000 --> 00:27:39,000

We must try and win this stalking contest by shooting each other through one or more of the walls of our labyrinth.

358

00:27:39,000 --> 00:27:40,000

Our walls are made of paper.

359

00:27:40,000 --> 00:27:43,000

Our weapons, paintball guns.

360

00:27:43,000 --> 00:27:46,000

Ow!

361

00:27:46,000 --> 00:27:48,000

With help from their origami army.

362

00:27:48,000 --> 00:27:50,000

Go ahead, Willie. Pivot around.

363

00:27:50,000 --> 00:27:53,000

And an artistic finishing touch or two.

364

00:27:53,000 --> 00:27:54,000

Lovely.

365

00:27:54,000 --> 00:27:59,000

The eight room Assassin's Arena is ready for the showdown.

366

00:27:59,000 --> 00:28:02,000

But it won't be a free-for-all.

367

00:28:02,000 --> 00:28:03,000

These are the rules.

368

00:28:03,000 --> 00:28:05,000

First, there's no time limit.

369

00:28:05,000 --> 00:28:08,000

The winner is the first one to shoot the other through a wall.

370

00:28:08,000 --> 00:28:12,000

We each only have one eight-round clip, so every shot counts.

371

00:28:12,000 --> 00:28:17,000

Finally, during the test, we are not allowed to travel beyond the boundaries of the experimental space.

372

00:28:19,000 --> 00:28:24,000

And with the rules laid down, Adam and Jamie are all set for a hitman hunt.

373

00:28:33,000 --> 00:28:37,000

To test Hollywood's idea of a handheld shoot-em-up.

374

00:28:37,000 --> 00:28:38,000

Oh!

375

00:28:38,000 --> 00:28:39,000

Oh!

376

00:28:41,000 --> 00:28:43,000

The mythbusters need bullets.

377

00:28:46,000 --> 00:28:47,000

A helping hand.

378

00:28:47,000 --> 00:28:48,000

It's perfect.

379

00:28:48,000 --> 00:28:51,000

And dry, experimental conditions.

380

00:28:53,000 --> 00:28:58,000

It doesn't rain all week, and then when we go out to shoot, it's raining.

381

00:29:01,000 --> 00:29:06,000

So let me introduce you to a little bit of how mythbusters conduct a shoot in the pouring rain.

382

00:29:06,000 --> 00:29:12,000

And we've actually set up 400 square feet of tent city here in the middle of our muddy field.

383

00:29:12,000 --> 00:29:14,000

Right there is our high-speed camera op.

384

00:29:14,000 --> 00:29:17,000

That's an expensive laptop and a \$100,000 high-speed camera.

385

00:29:17,000 --> 00:29:19,000

The important cables are running up through the rafters.

386

00:29:19,000 --> 00:29:22,000

There is where Jamie and I will be standing behind the blast chamber shield.

387

00:29:22,000 --> 00:29:24,000

That's our experimental setup.

388

00:29:24,000 --> 00:29:27,000

Hopefully, it's dry enough to actually get this experiment off.

389

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

So if you hold bullets in a fire, they're going to take a lot longer than two seconds to go off.

390

00:29:34,000 --> 00:29:35,000

Ten seconds.

391

00:29:35,000 --> 00:29:36,000

Ten seconds.

392

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

But at this point, we haven't established what exactly they'll do when they do go off.

393

00:29:40,000 --> 00:29:45,000

And in the movie, the bullets are shown to be lethal, so that's what we've got to test now.

394

00:29:45,000 --> 00:29:48,000

Mythbusters during the monsoon season.

395

00:29:48,000 --> 00:29:55,000

Despite the deluge, the team has a handle on the situation and is all set to fire up.

396

00:29:55,000 --> 00:29:59,000

For this test, we've got a single bullet mounted on the hand right here,

397

00:29:59,000 --> 00:30:03,000

and I'm going to have a single flame coming out of this tiny copper tube.

398

00:30:06,000 --> 00:30:07,000

Let's try it quickly.

399

00:30:07,000 --> 00:30:12,000

When I pull on a cord, the flame will swing in and we'll set off the bullet.

400

00:30:12,000 --> 00:30:15,000

That's it. You're right on the bullet. You're right on the bullet.

401

00:30:15,000 --> 00:30:18,000

This time, the round is live.

402

00:30:18,000 --> 00:30:20,000

Come on, bullet. Come on, bullet.

403

00:30:20,000 --> 00:30:24,000

With primer, powder, and projectile intact.

404

00:30:24,000 --> 00:30:25,000

Ah, it just blew out.

405

00:30:25,000 --> 00:30:27,000

This program is rated thrust.

406

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

Frustrating.

407

00:30:28,000 --> 00:30:33,000

In theory, they'll use the high-speed camera to capture the bullet's speed.

408

00:30:33,000 --> 00:30:34,000

You're good.

409

00:30:36,000 --> 00:30:38,000

Still lit. Still lit.

410

00:30:39,000 --> 00:30:40,000

Oh, it just blew out.

411

00:30:40,000 --> 00:30:43,000

In practice, that's not happening.

412

00:30:43,000 --> 00:30:44,000

This goes to show.

413

00:30:44,000 --> 00:30:47,000

Best laid plans of mice and men are often screwed up by the rain.

414

00:30:47,000 --> 00:30:51,000

So it turns out our tiny little flame wasn't concentrated enough.

415

00:30:52,000 --> 00:30:56,000

The torch head we're going to use this time is called a pencil torch,

416

00:30:56,000 --> 00:31:01,000

and that means that it literally has a point on it that's similar to a pencil point.

417

00:31:01,000 --> 00:31:02,000

Jamie, you're good to light it.

418

00:31:04,000 --> 00:31:06,000

And I'm going to aim that right at the cap,

419

00:31:06,000 --> 00:31:09,000

and I think that'll get us where we need to go.

420

00:31:09,000 --> 00:31:10,000

There it is.

421

00:31:15,000 --> 00:31:17,000

Hey!

422

00:31:21,000 --> 00:31:23,000

That worked a lot better.

423

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

That was like within 10 seconds. That's what I wanted.

424

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

Excellent.

425

00:31:26,000 --> 00:31:29,000

At last, there's fire in the hole.

426

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

But what does the data say?

427

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

Flame placement looks perfect.

428

00:31:39,000 --> 00:31:43,000

Let me see if I can't get a rough idea of speed here.

429

00:31:46,000 --> 00:31:49,000

The bullet's moving at 82 miles per hour.

430

00:31:49,000 --> 00:31:50,000

Yeah.

431

00:31:50,000 --> 00:31:53,000

Question is, why is it going so slow?

432

00:31:53,000 --> 00:31:58,000

When you pull the trigger of a loaded gun, the bullet inside basically explodes.

433

00:31:58,000 --> 00:32:02,000

The resulting shock wave travels down the barrel and propels the bullet out.

434

00:32:02,000 --> 00:32:06,000

But without the gun to enclose and back up the cartridge,

435

00:32:06,000 --> 00:32:10,000

there's nothing to prevent it from simply expanding and rocketing backwards

436

00:32:10,000 --> 00:32:14,000

instead of pushing the bullet forwards, hence the low speeds of the bullet.

437

00:32:14,000 --> 00:32:18,000

With no barrel to contain the energy, it disperses,

438

00:32:18,000 --> 00:32:22,000

and the bullet comes out at 10% of its usual velocity.

439

00:32:22,000 --> 00:32:25,000

I don't think that's going to be lethal, but for due diligence,

440

00:32:25,000 --> 00:32:28,000

let's put our dummy in there and see what happens to him.

441

00:32:28,000 --> 00:32:29,000

Sure, why not?

442

00:32:29,000 --> 00:32:30,000

Okay.

443

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

Your days are numbered, dude.

444

00:32:35,000 --> 00:32:40,000

So, will a handheld bullet accurately hit a target with lethal impact?

445

00:32:40,000 --> 00:32:41,000

Okay, coming in.

446

00:32:41,000 --> 00:32:43,000

That's it. It's on.

447

00:32:43,000 --> 00:32:45,000

I can hear it going.

448

00:32:45,000 --> 00:32:47,000

Hey, there it went.

449

00:32:47,000 --> 00:32:49,000

I don't know if it hit him.

450

00:32:49,000 --> 00:32:53,000

The early signs for accuracy are not good.

451

00:32:53,000 --> 00:32:55,000

I don't see any bullet holes.

452

00:32:55,000 --> 00:32:58,000

I don't see any bullet holes, nor do I see any bullets.

453

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

This is a job for the high-speed camera.

454

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

Bang. Oh, it went way down.

455

00:33:06,000 --> 00:33:07,000

Boink!

456

00:33:08,000 --> 00:33:10,000

Is it bounced off?

457

00:33:10,000 --> 00:33:13,000

Actually, it looks like it's still there.

458

00:33:14,000 --> 00:33:17,000

This is right about where it looks like it hits, right?

459

00:33:17,000 --> 00:33:21,000

Well, I've seen any reason why I shouldn't excavate.

460

00:33:21,000 --> 00:33:23,000

I don't see any reason why you shouldn't excavate.

461

00:33:23,000 --> 00:33:25,000

High-speed says bullet entered the dude.

462

00:33:25,000 --> 00:33:27,000

We should cut him open and find a bullet. Let's see.

463

00:33:27,000 --> 00:33:29,000

Okay. Oh, there it is.

464

00:33:30,000 --> 00:33:32,000

Whoa, no way!

465

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

Embedded in his chest.

466

00:33:35,000 --> 00:33:37,000

Amazing!

467

00:33:37,000 --> 00:33:41,000

It's a satisfying and surprising result,

468

00:33:41,000 --> 00:33:43,000

but with such shallow penetration,

469

00:33:43,000 --> 00:33:46,000

it wouldn't have been lethal, merely painful.

470

00:33:46,000 --> 00:33:50,000

If only our hero could hold his burning, fleshy hand in a fire

471

00:33:50,000 --> 00:33:54,000

until it melted and kept that pressure on,

472

00:33:54,000 --> 00:33:57,000

well, he might have just injured the villain.

473

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

That is awesome.

474

00:34:00,000 --> 00:34:03,000

All right, let's count down the components of this story.

475

00:34:03,000 --> 00:34:05,000

Bullets going off in a fire in two seconds or less?

476

00:34:05,000 --> 00:34:06,000

Busted.

477

00:34:06,000 --> 00:34:10,000

Okay. What about the lethality or danger of those bullets after that?

478

00:34:10,000 --> 00:34:13,000

Well, that is where it starts to get a little interesting,

479

00:34:13,000 --> 00:34:15,000

but, no, it's still busted.

480

00:34:15,000 --> 00:34:17,000

It's still totally busted.

481

00:34:20,000 --> 00:34:24,000

That's one myth done and busted.

482

00:34:24,000 --> 00:34:29,000

But still to come, a head-to-head hitman showdown.

483

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

Deep in an underground bunker,

484

00:34:38,000 --> 00:34:43,000

Jamie and Adam captured an exquisite world exclusive.

485

00:34:44,000 --> 00:34:46,000

Oh, no way!

486

00:34:47,000 --> 00:34:49,000

Wow!

487

00:34:49,000 --> 00:34:52,000

We've just taken a shot with a high-speed camera called the Phantom of a bullet

488

00:34:52,000 --> 00:34:57,000

exiting a gun at 73,000 frames per second.

489

00:34:57,000 --> 00:34:59,000

73,000.

490

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

I seriously had no idea it would be that lovely.

491

00:35:02,000 --> 00:35:04,000

Oh, I gotta go back and watch it again.

492

00:35:05,000 --> 00:35:08,000

The artifacts that you start to be able to see,

493

00:35:08,000 --> 00:35:13,000

mushroom clouds and little rivulets of gases and fire forming on flame fronts

494

00:35:13,000 --> 00:35:15,000

of pressure waves and stuff,

495

00:35:15,000 --> 00:35:18,000

and not sure many people in the world have ever even looked at.

496

00:35:18,000 --> 00:35:20,000

It's just really cool.

497

00:35:20,000 --> 00:35:22,000

Yep, it's cool.

498

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

It's showtime.

499

00:35:28,000 --> 00:35:34,000

One by one, our would-be hitman are guided silently to separate random locations in the arena.

500

00:35:53,000 --> 00:35:55,000

Catahal-Hollywood Hitman

501

00:35:55,000 --> 00:36:00,000

Gentlemen, really locate and liquidate a wall hidden target

502

00:36:00,000 --> 00:36:01,000

Are you ready?

503

00:36:01,000 --> 00:36:05,000

with supernatural-like acoustic ability and intuition.

504

00:36:05,000 --> 00:36:09,000

In three, two, one, go.

505

00:36:09,000 --> 00:36:13,000

It's a stalk to the death to find out.

506

00:36:22,000 --> 00:36:24,000

q

507

00:36:24,000 --> 00:36:24,720

Here it comes.

508

00:36:24,720 --> 00:36:26,580

Okay.

509

00:36:26,580 --> 00:36:27,120

Go!

510

00:36:37,620 --> 00:36:40,220

Oh, that was great.

511

00:36:40,220 --> 00:36:44,560

You were like, look, look at both Richard and me looking

512

00:36:44,560 --> 00:36:45,120

at them.

513

00:36:45,120 --> 00:36:47,440

They don't even look at me, does he?

514

00:36:47,440 --> 00:36:48,200

No.

515

00:36:48,700 --> 00:36:50,240

You look so handsome.

516

00:36:50,240 --> 00:36:51,240

He just...

517

00:36:51,240 --> 00:36:52,520

He's like like.

518

00:36:52,520 --> 00:36:53,800

It's like so very handsome.

519

00:36:53,800 --> 00:36:56,800

I've been looking forward to this test for a while,

520

00:36:56,800 --> 00:37:00,800

but that was far more scary and hair-raising and exciting

521

00:37:00,800 --> 00:37:02,800

than I ever imagined it would be.

522

00:37:02,800 --> 00:37:04,800

That's just stunning.

523

00:37:04,800 --> 00:37:06,800

You might recall from our earlier testing,

524

00:37:06,800 --> 00:37:11,800

to track somebody moving behind a wall was fairly easy to do,

525

00:37:11,800 --> 00:37:13,800

as long as you can anticipate their movement.

526

00:37:13,800 --> 00:37:16,800

Now, in this first game, I remembered that.

527

00:37:16,800 --> 00:37:21,800

I peeked out the doorway just in time to see him move behind a wall.

528

00:37:21,800 --> 00:37:25,800

And so I was able to actually track his movement,

529

00:37:25,800 --> 00:37:27,800

fire through the wall, and I hit him.

530

00:37:27,800 --> 00:37:29,800

That was beautiful.

531

00:37:29,800 --> 00:37:31,800

It worked, just like we learned.

532

00:37:31,800 --> 00:37:35,800

So the combination of a preliminary visual cue,

533

00:37:35,800 --> 00:37:40,800

audio location, and intuition does make it possible to pop your opponent.

534

00:37:40,800 --> 00:37:44,800

Good news for the myth, but Adam's not giving up yet.

535

00:37:44,800 --> 00:37:46,800

Nicely done.

536

00:37:46,800 --> 00:37:48,800

Best out of three?

537

00:37:48,800 --> 00:37:50,800

Okay.

538

00:37:50,800 --> 00:37:53,800

This is too much fun to give up after one try.

539

00:37:57,800 --> 00:37:58,800

Love this game.

540

00:37:58,800 --> 00:38:03,800

That's the cue for a fun and fear-filled test, too.

541

00:38:05,800 --> 00:38:09,800

Looking down on this test from above, I'm struck by a couple things.

542

00:38:09,800 --> 00:38:14,800

One, how lovely it is with all the colors and all of the labyrinth.

543

00:38:14,800 --> 00:38:16,800

Go.

544

00:38:16,800 --> 00:38:23,800

But perhaps the most diabolically scary part of this test to me was the quiet.

545

00:38:27,800 --> 00:38:29,800

I open my eyes.

546

00:38:29,800 --> 00:38:31,800

I don't see Jamie.

547

00:38:31,800 --> 00:38:35,800

I hear little creaks, but that doesn't necessarily help

548

00:38:35,800 --> 00:38:38,800

because you're waiting somebody else out.

549

00:38:38,800 --> 00:38:40,800

You know that they want to kill you,

550

00:38:40,800 --> 00:38:42,800

and even though they're not going to kill you,

551

00:38:42,800 --> 00:38:44,800

you're waiting somebody else out.

552

00:38:44,800 --> 00:38:47,800

You know that they want to kill you, and even though this is for play,

553

00:38:47,800 --> 00:38:51,800

it doesn't make it any less of an adrenaline rush to know that someone's got your number

554

00:38:51,800 --> 00:38:54,800

and they're looking for you and you are looking for them.

555

00:38:56,800 --> 00:39:05,800

It is really, really thrilling in a way that few tests that we have done on this show really deliver.

556

00:39:13,800 --> 00:39:17,800

I'm hit. I'm hit. I'm hit in the leg.

557

00:39:17,800 --> 00:39:19,800

This whole test came together quite beautifully.

558

00:39:19,800 --> 00:39:24,800

That was scary as hell.

559

00:39:24,800 --> 00:39:30,800

Because in our earlier mechanical testing, we found only one technique that was effective.

560

00:39:30,800 --> 00:39:34,800

You got me right in the knee. That is a totally incapacitating hit.

561

00:39:34,800 --> 00:39:36,800

Well, you know, that's my personal style.

562

00:39:36,800 --> 00:39:40,800

You know, it sends a message, but here, with real human subjects,

563

00:39:40,800 --> 00:39:44,800

I found I had to put all of those techniques together.

564

00:39:44,800 --> 00:39:48,800

I used a little bit of sound to roughly locate where they were at.

565

00:39:48,800 --> 00:39:54,800

Once I did get any kind of hint of how they were moving, I tracked them, and then I sprayed.

566

00:39:54,800 --> 00:39:58,800

And putting all of those techniques together allowed me to win.

567

00:40:00,800 --> 00:40:02,800

You've nailed it. I'm dead two out of two.

568

00:40:02,800 --> 00:40:06,800

I'd say you are the absolute winner, sir.

569

00:40:06,800 --> 00:40:07,800

Congratulations.

570

00:40:07,800 --> 00:40:08,800

Thank you.

571

00:40:08,800 --> 00:40:10,800

That was an awesome contest.

572

00:40:10,800 --> 00:40:12,800

Well, it would seem that, just like the rest of the world,

573

00:40:12,800 --> 00:40:18,800

it is very difficult for me to get a bead on James Franklin Heinemann.

574

00:40:18,800 --> 00:40:21,800

He seems to be a fan of shooting people in the joints.

575

00:40:21,800 --> 00:40:23,800

Maybe that's from when he used to be a lone shark. I don't know.

576

00:40:23,800 --> 00:40:25,800

But I couldn't hit him once.

577

00:40:25,800 --> 00:40:26,800

How do you want to call it?

578

00:40:26,800 --> 00:40:30,800

I got to say, I'm surprised, but I think the hitmen are onto something.

579

00:40:30,800 --> 00:40:34,800

Shooting through walls has far more efficacy than I began this myth believing.

580

00:40:34,800 --> 00:40:37,800

Yeah, I agree. Interior walls don't offer much protection, do they?

581

00:40:37,800 --> 00:40:40,800

No, they're far more porous than anyone thought. Let's get out of here.

582

00:40:40,800 --> 00:40:41,800

You coming?

583

00:40:41,800 --> 00:40:42,800

Sure.

584

00:40:43,800 --> 00:40:44,800

Oh, yeah.

585

00:40:49,800 --> 00:40:53,800

Back across town, it's time to settle accounts.

586

00:41:04,800 --> 00:41:05,800

You're going?

587

00:41:07,800 --> 00:41:10,800

Shooting through walls confirmed.

588

00:41:10,800 --> 00:41:11,800

Shoot him up?

589

00:41:12,800 --> 00:41:13,800

Bust it.

590

00:41:14,800 --> 00:41:16,800

See you on the next bounce, boys.

591

00:41:20,800 --> 00:41:22,800

I don't trust that guy.

592

00:41:22,800 --> 00:41:23,800

Neither do I. Let's get inside.