



1
00:00:10,660 --> 00:00:07,240
we always see a statue of a man on a

2
00:00:12,640 --> 00:00:10,670
horse with a sword or we see a line but

3
00:00:14,950 --> 00:00:12,650
it's put on a shield and says but when

4
00:00:16,630 --> 00:00:14,960
you come into New York Harbor and you

5
00:00:18,490 --> 00:00:16,640
see the symbol of America it's a lady

6
00:00:21,400 --> 00:00:18,500
with a torch of hope and torch of

7
00:00:23,050 --> 00:00:21,410
freedom that's why we call her lady and

8
00:00:32,799 --> 00:00:23,060
we refer to her lady because she's not a

9
00:00:34,959 --> 00:00:32,809
statue to us the Statue of Liberty was a

10
00:00:39,310 --> 00:00:34,969
gift from the people of France to the

11
00:00:42,190 --> 00:00:39,320
people of America in 1886 she represents

12
00:00:46,600 --> 00:00:42,200
their shared ideals of liberty freedom

13
00:00:48,940 --> 00:00:46,610

and equality now enshrouded by a maze of

14

00:00:51,639 --> 00:00:48,950

scaffolding Miss Liberty is getting a

15

00:00:54,670 --> 00:00:51,649

complete refurbishment from pedestal to

16

00:00:58,330 --> 00:00:54,680

torch next 4th of July to commemorate

17

00:01:00,920 --> 00:00:58,340

the 100th anniversary Liberty will be

18

00:01:03,140 --> 00:01:00,930

among many rejuvenating measures

19

00:01:05,450 --> 00:01:03,150

designed to repair the ravages of a

20

00:01:08,030 --> 00:01:05,460

century and ensure miss Liberty's

21

00:01:10,310 --> 00:01:08,040

long-term survival is a protective

22

00:01:12,440 --> 00:01:10,320

coating for her superstructure the

23

00:01:14,840 --> 00:01:12,450

coating originated in NASA research on

24

00:01:17,719 --> 00:01:14,850

corrosion resistant materials at the

25

00:01:19,850 --> 00:01:17,729

Goddard Space Flight Center Liberty's

26

00:01:22,550 --> 00:01:19,860

designer French sculptor Frederic

27

00:01:24,650 --> 00:01:22,560

Auguste Bartholdi once boasted that his

28

00:01:28,250 --> 00:01:24,660

creation would last as long as the

29

00:01:30,650 --> 00:01:28,260

pyramids of the Nile to ensure a very

30

00:01:32,180 --> 00:01:30,660

sound in her framework for his statue

31

00:01:35,270 --> 00:01:32,190

we're told they went into partnership

32

00:01:38,660 --> 00:01:35,280

with Gustave Eiffel well known for his

33

00:01:41,150 --> 00:01:38,670

Eiffel Tower attached to the four main

34

00:01:44,270 --> 00:01:41,160

Calathes that act as spinal cords and

35

00:01:47,240 --> 00:01:44,280

this box secondary framing comparable to

36

00:01:50,389 --> 00:01:47,250

a rib case attached to this framing our

37

00:01:52,460 --> 00:01:50,399

armature bars which in a sense like the

38

00:01:56,090 --> 00:01:52,470

tendons and ligaments if you support

39

00:01:58,130 --> 00:01:56,100

Liberty's exterior copper skin the man

40

00:02:00,740 --> 00:01:58,140

responsible for restoring the statues

41

00:02:03,050 --> 00:02:00,750

interior maze of framework Viktor

42

00:02:04,730 --> 00:02:03,060

Strauss when the pavement affair various

43

00:02:05,990 --> 00:02:04,740

paint manufacturers came out of various

44

00:02:08,600 --> 00:02:06,000

other things and looked at the statue

45

00:02:10,130 --> 00:02:08,610

they all said we don't know how you're

46

00:02:11,630 --> 00:02:10,140

gonna get it or how you gonna get it

47

00:02:17,259 --> 00:02:11,640

clean to accept the coatings

48

00:02:19,710 --> 00:02:17,269

but American technology is still on top

49

00:02:22,770 --> 00:02:19,720

Cody

50

00:02:25,830 --> 00:02:22,780

that when we tried an experiment it far

51
00:02:27,240 --> 00:02:25,840
exceeded all the other coatings and it's

52
00:02:29,100 --> 00:02:27,250
interesting that the coating of

53
00:02:32,370 --> 00:02:29,110
masteries which I distinguish used on

54
00:02:35,370 --> 00:02:32,380
the gantry to take off for our

55
00:02:38,670 --> 00:02:35,380
recitation is being used now to help

56
00:02:42,720 --> 00:02:38,680
preserve freedom the symbol of freedom

57
00:02:44,130 --> 00:02:42,730
all American dr. John shut of the

58
00:02:46,800 --> 00:02:44,140
Goddard Space Flight Center in Greenbelt

59
00:02:50,220 --> 00:02:46,810
Maryland explains the reason for the

60
00:02:53,120 --> 00:02:50,230
inorganic paints development in 1971 at

61
00:02:55,740 --> 00:02:53,130
that time it was a spinoff of our work

62
00:03:00,210 --> 00:02:55,750
directed toward the development of

63
00:03:02,510 --> 00:03:00,220

coatings to protect spacecraft from the

64

00:03:05,790 --> 00:03:02,520

rigors of the space environment

65

00:03:09,120 --> 00:03:05,800

ultraviolet light and electron and

66

00:03:10,860 --> 00:03:09,130

proton showers the inorganic paint

67

00:03:13,410 --> 00:03:10,870

consists of a water-based

68

00:03:15,630 --> 00:03:13,420

silicate find it - which zinc is added

69

00:03:17,820 --> 00:03:15,640

after a section of the statues main

70

00:03:19,940 --> 00:03:17,830

supports is clinging down to the bare

71

00:03:22,310 --> 00:03:19,950

metal the quick drying paint is applied

72

00:03:24,600 --> 00:03:22,320

layer by layer

73

00:03:26,759 --> 00:03:24,610

aside from restoring the statues

74

00:03:28,500 --> 00:03:26,769

interior framework there are many other

75

00:03:31,259 --> 00:03:28,510

phases of reconstruction to be

76

00:03:34,140 --> 00:03:31,269

considered Liberty's interior copper

77

00:03:37,320 --> 00:03:34,150

skin will be clean and it seems received

78

00:03:39,420 --> 00:03:37,330

to improve weather resistance statues

79

00:03:42,120 --> 00:03:39,430

overall structure is in the process of

80

00:03:42,530 --> 00:03:42,130

being refortified by replacing hundreds

81

00:03:45,289 --> 00:03:42,540

of

82

00:03:48,619 --> 00:03:45,299

armature bars which support the copper

83

00:03:50,929 --> 00:03:48,629

skin the 20-foot spikes along Liberty's

84

00:03:53,839 --> 00:03:50,939

crown representing the world's seven

85

00:03:56,960 --> 00:03:53,849

continents and seven seas will also be

86

00:03:59,300 --> 00:03:56,970

replaced and finally a new torch is

87

00:04:01,789 --> 00:03:59,310

being constructed by a team of French

88

00:04:05,720 --> 00:04:01,799

workmen skilled in the nearly lost art

89

00:04:07,759 --> 00:04:05,730

of metal shaking called represent the

90

00:04:10,580 --> 00:04:07,769

restoration effort for Miss Liberty was

91

00:04:12,410 --> 00:04:10,590

initiated in 1980 by a French American

92

00:04:14,630 --> 00:04:12,420

committee and spearheaded by Chrysler

93

00:04:17,710 --> 00:04:14,640

Chairman Lee Iacocca

94

00:04:20,870 --> 00:04:17,720

buns coming from thousands colormaster