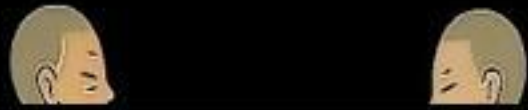


300-500 MILLION

THE ARAB WORLD WITH THE CRUSADES, AND ALL THE WAY TO THE AMERICAS WITH THE SPANISH AND.

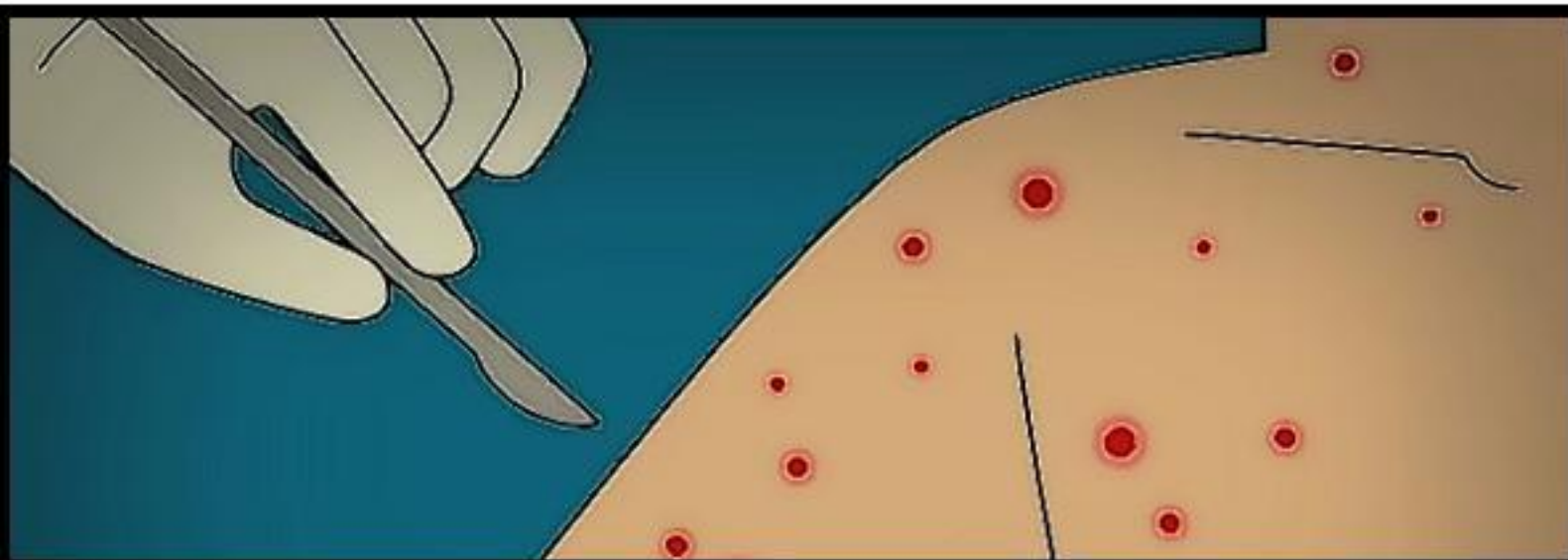


THE FALL OF SMALLPOX STARTED LONG BEFORE MODERN MEDICINE. SINCE THEN, IT HAS KILLED BILLIONS OF PEOPLE. BUT SMALLPOX IS NOT UNBEATABLE.



ACCORDING TO A SMALL BOOK CALLED THE CORRECT TREATMENT OF SMALLPOX, A BUDDHIST NUN LIVING IN CHINA DIED OF THE DISEASE IN 1022.

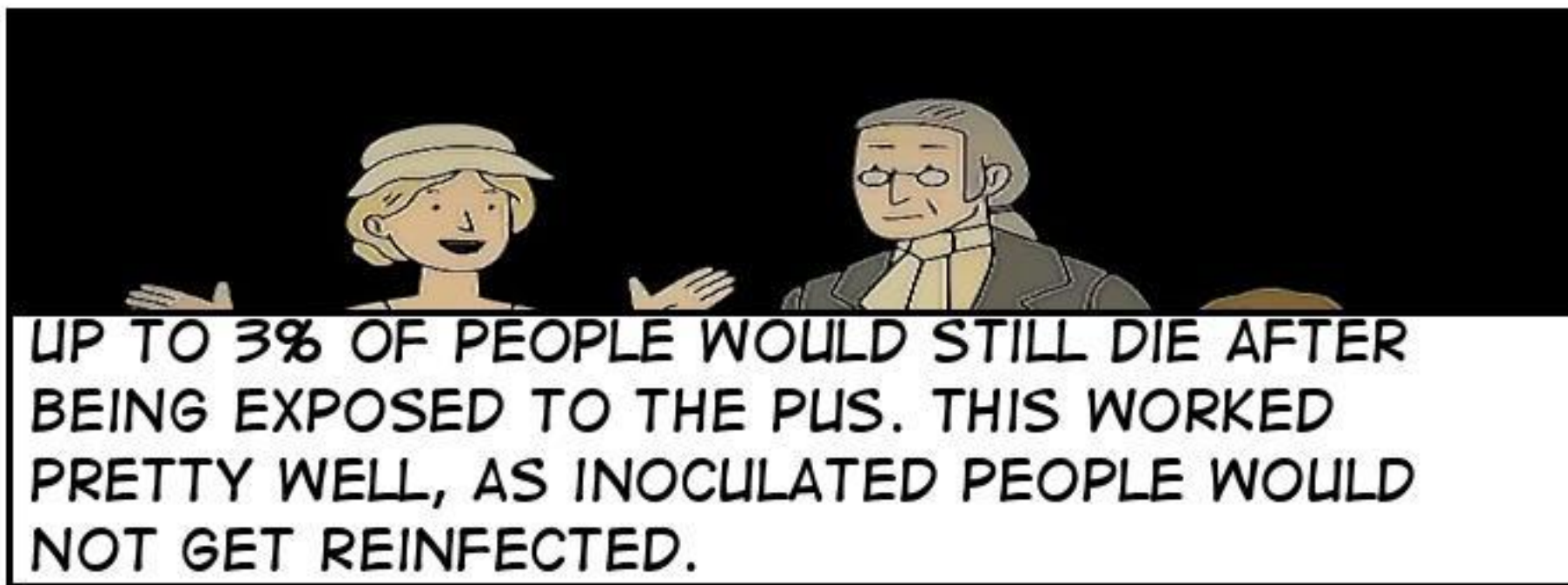
1022 A.D.



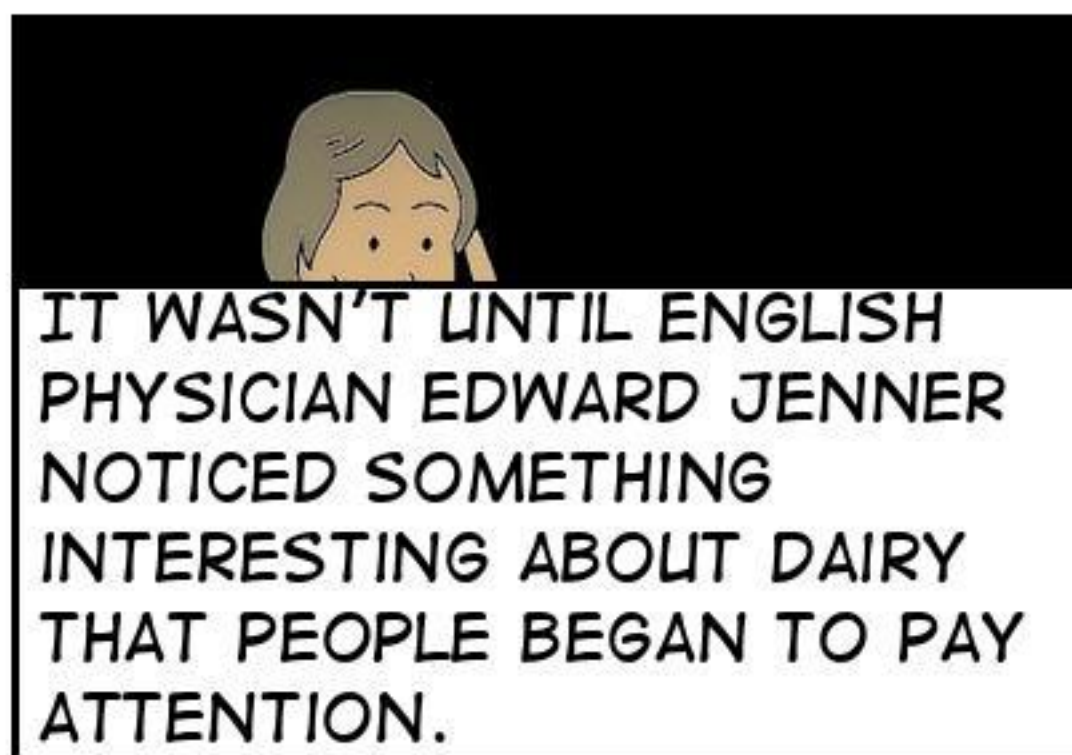
OME SHAHN IN THE SOUTHERN PROVINCE OF SICHUAN WOULD GRIND UP SMALLPOX SCABS AND BLOW THE POWDER INTO NOSTRILS OF HEALTHY PEOPLE.



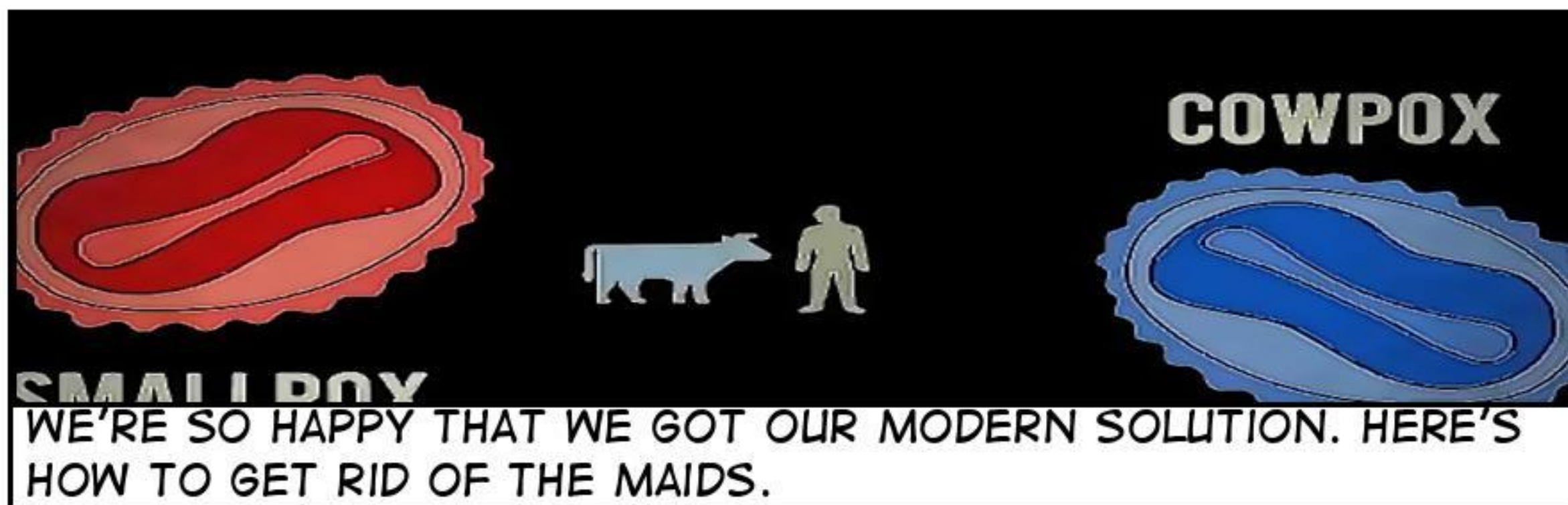
THE PROCEDURE, CALLED VARIOLATION, SLOWLY EVOLVED AND BY THE 1700S, DOCTORS WERE TAKING MATERIAL FROM SORES AND PUTTING THEM INTO HEALTHY PEOPLE THROUGH FOUR OR FIVE SCRATCHES.



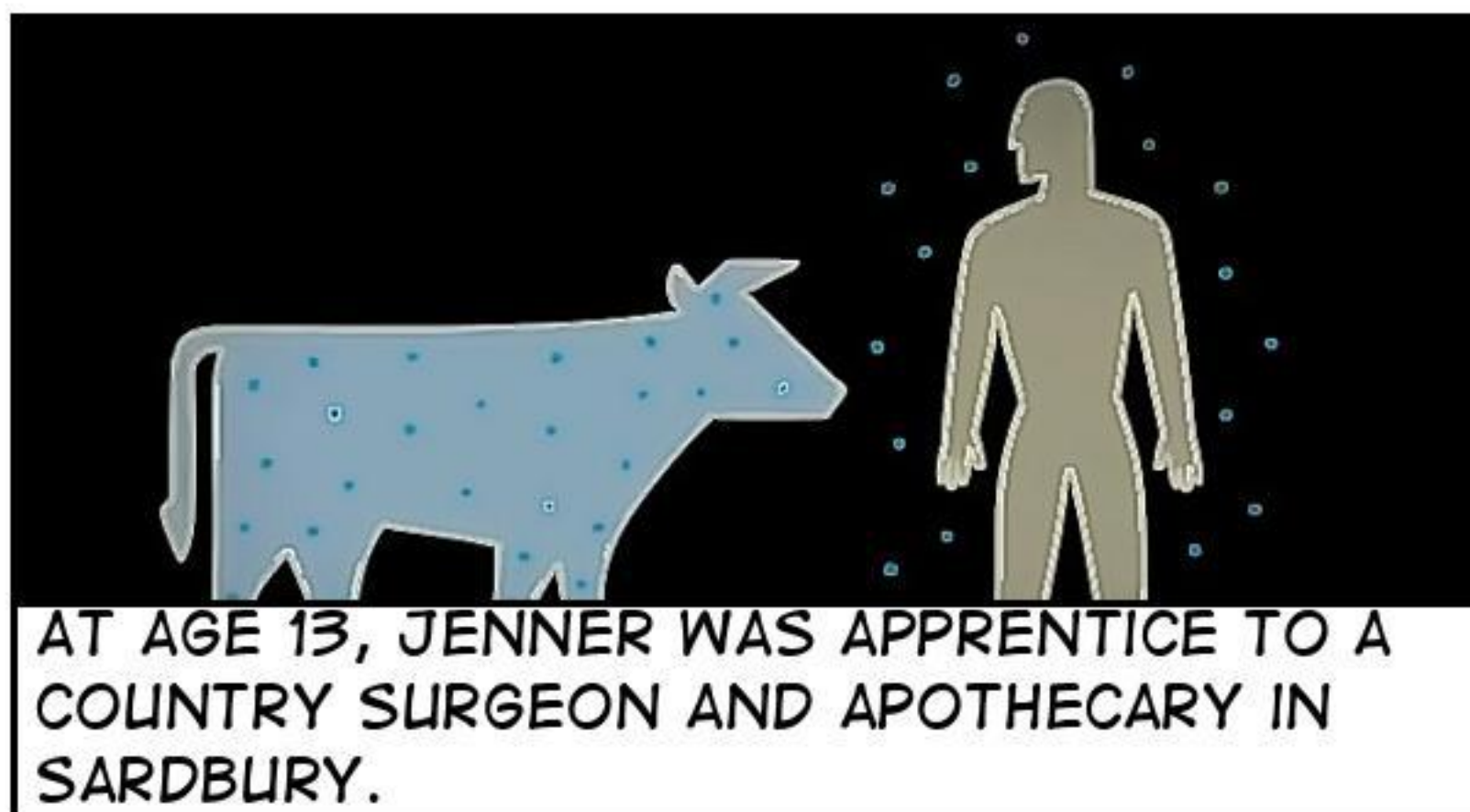
UP TO 3% OF PEOPLE WOULD STILL DIE AFTER BEING EXPOSED TO THE PUS. THIS WORKED PRETTY WELL, AS INOCULATED PEOPLE WOULD NOT GET REINFECTED.



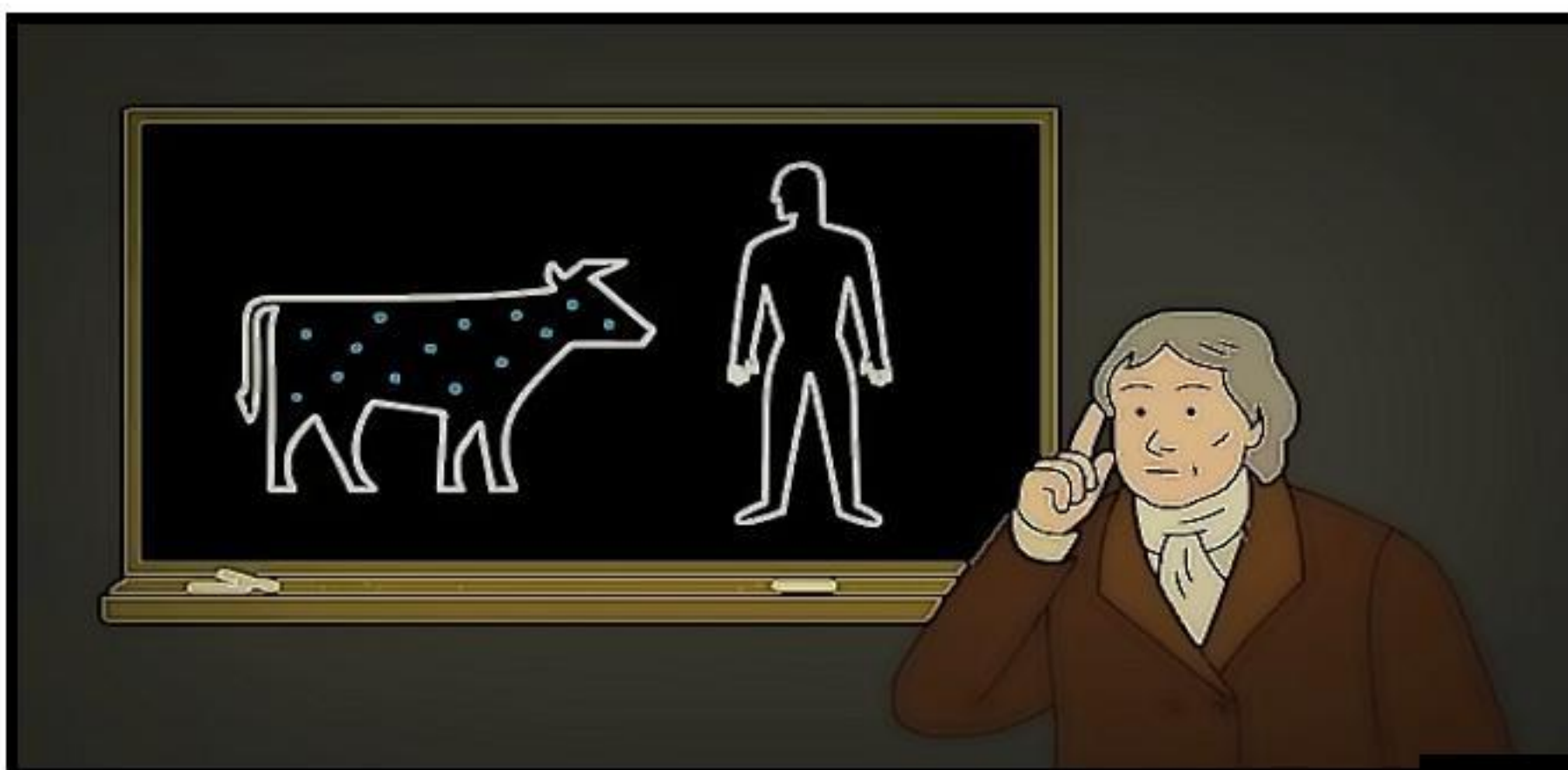
IT WASN'T UNTIL ENGLISH PHYSICIAN EDWARD JENNER NOTICED SOMETHING INTERESTING ABOUT DAIRY THAT PEOPLE BEGAN TO PAY ATTENTION.



WE'RE SO HAPPY THAT WE GOT OUR MODERN SOLUTION. HERE'S HOW TO GET RID OF THE MAIDS.



AT AGE 13, JENNER WAS APPRENTICE TO A COUNTRY SURGEON AND APOTHECARY IN SARDBURY.

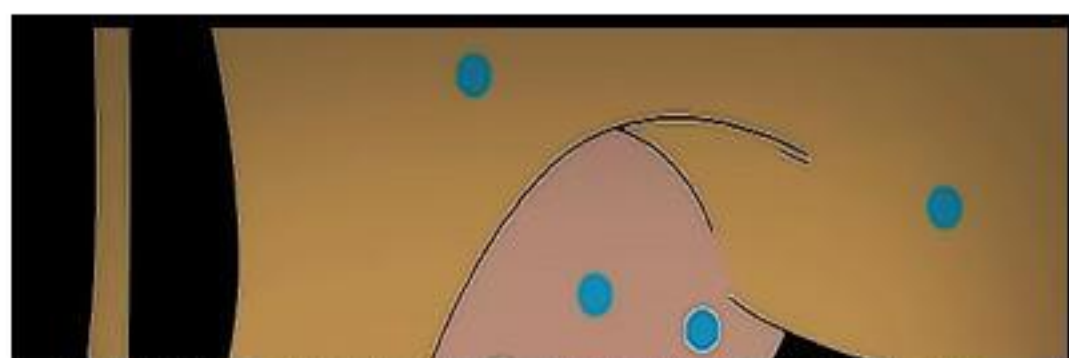




HE HEARD A DAIRY MAID SAY, I SHALL NEVER HAVE SMALLPOX FOR I HAVE HAD COWPOX. NEAR BRISTOL.



"I SHALL NEVER HAVE AN UGLY, POCKMARKED FACE. I SHALL NEVER BE UGLY," SHE SAID.



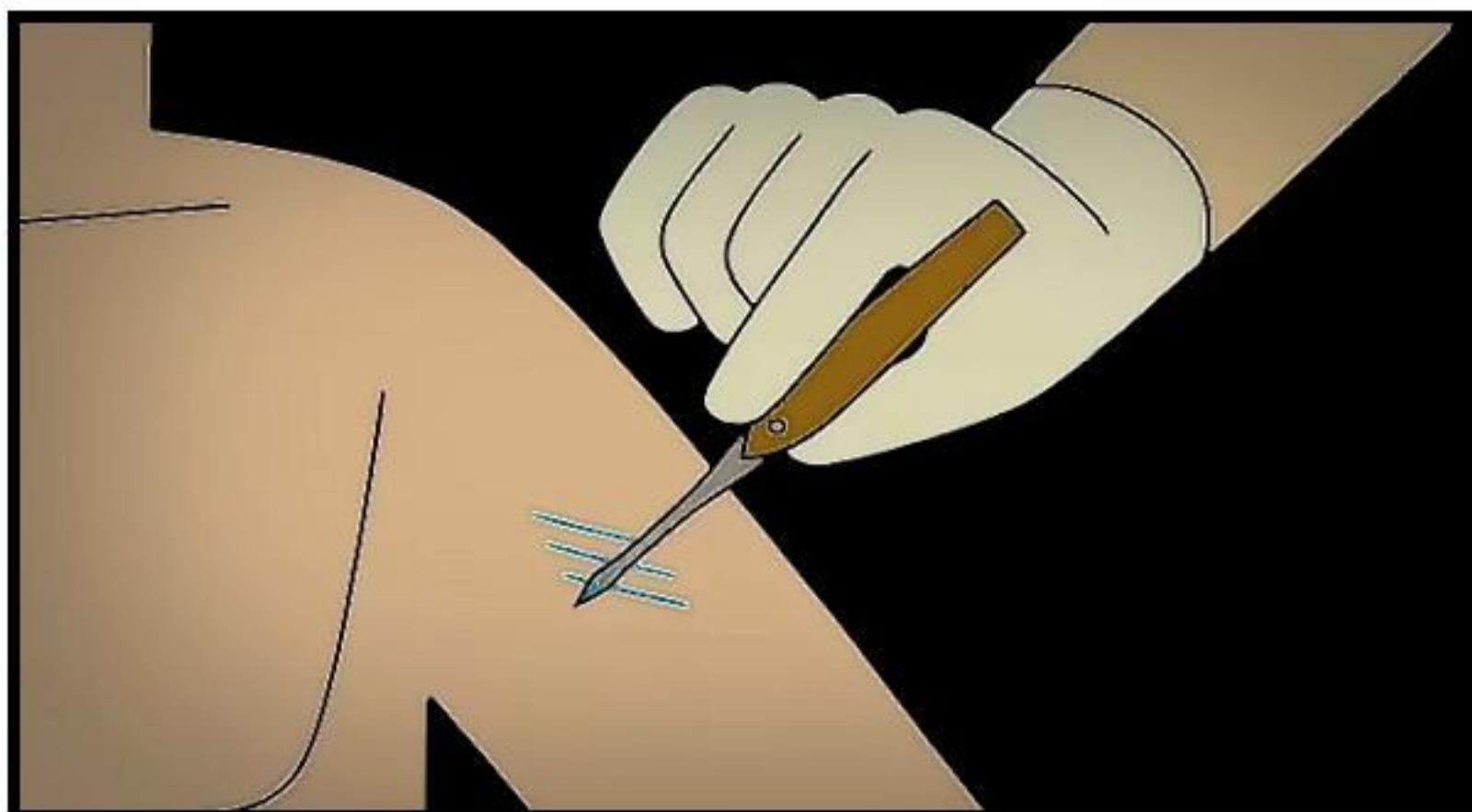
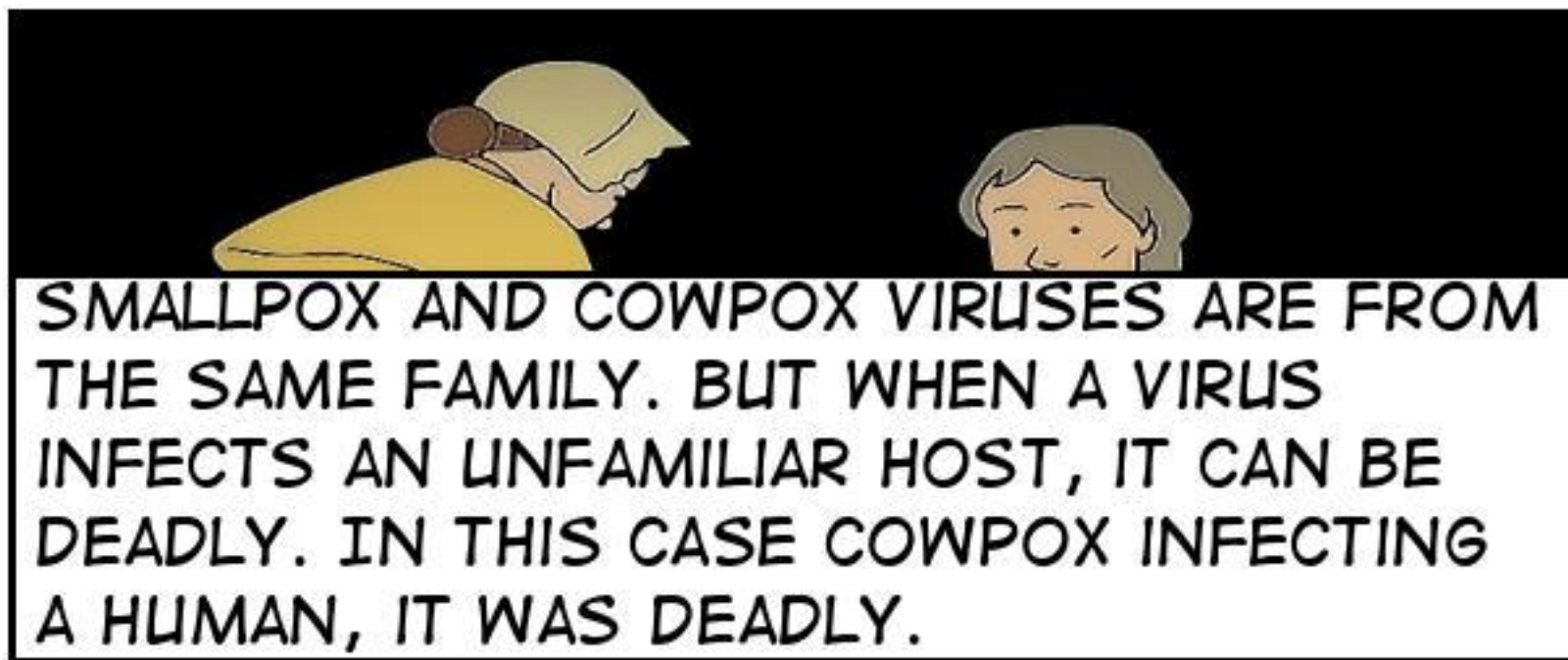
COWPOX IS A SKIN DISEASE THAT RESEMBLES SMALLPOX AND INFECTS COWS. IT IS CAUSED BY A VIRUS THAT INFECTS THE SKIN OF COWS.



"SHE WAS RIGHT. LATER ON AS A PHYSICIAN, HE REALIZED THAT SHE WAS RIGHT," HE SAID.



WOMEN WHO GOT COWPOX DIDN'T DEVELOP THE DEADLY SMALLPOX. WOMEN WHO GOT THE COWPOX DID NOT DEVELOP SMALLPOX, EXPERTS SAY.



VACCINATION

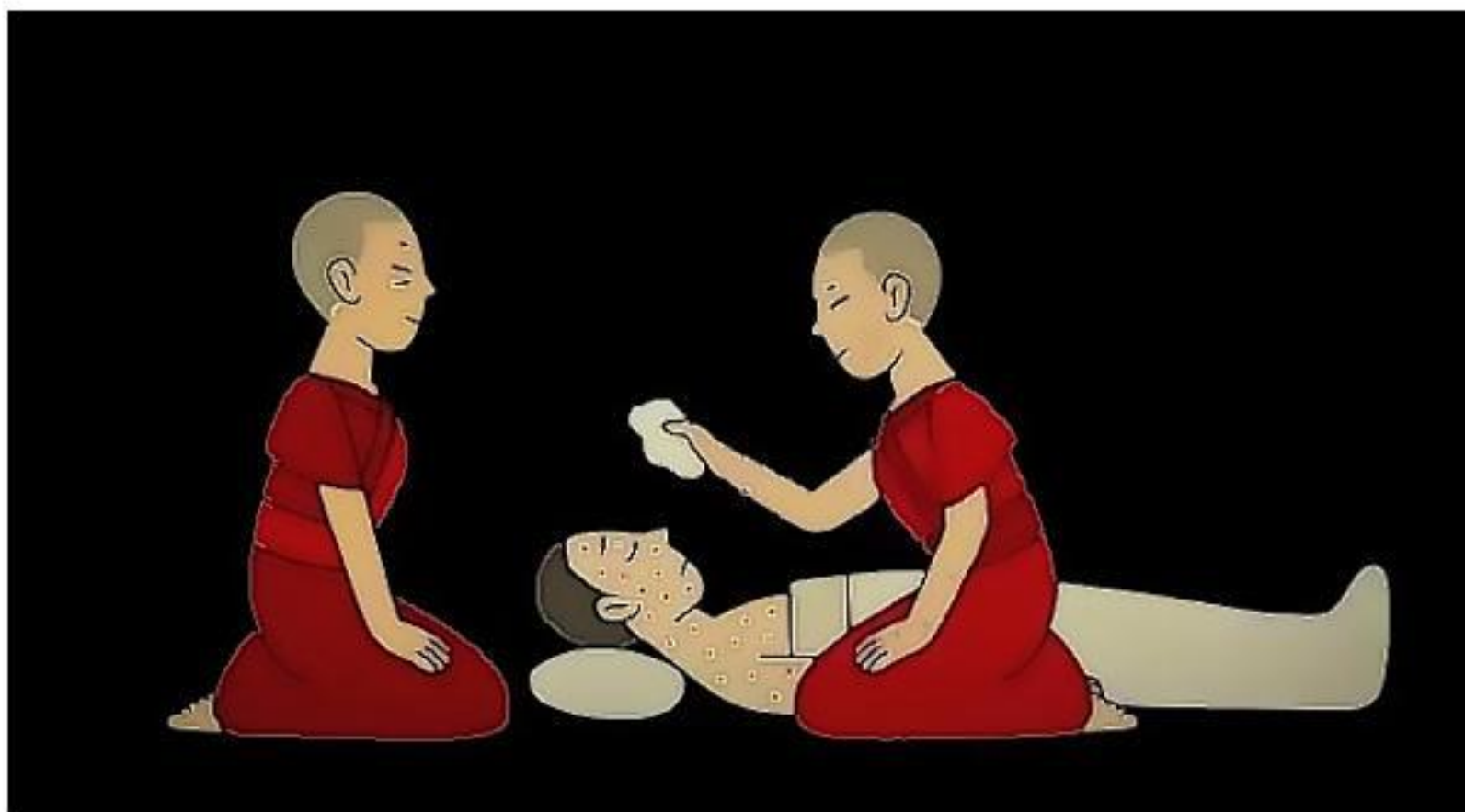
TWO MONTHS LATER, JENNER INOCULATED THE BOY AGAIN. AFTER A FEW DAYS OF FEVER AND DISCOMFORT, THE BOYS SEEMED TO RECOVER.

GET YOUR

JENNER USED MATTER FROM A FRESH, SMALLPOX LESION. NO DISEASE DEVELOPED, AND JENNER CONCLUDED THAT PROTECTION WAS COMPLETE.



JENNER LATER USED THE COWPOX VIRUS IN SEVERAL OTHER PEOPLE AND CHALLENGED THEM REPEATEDLY. HIS PLAN HAD WORKED.



SMALLPOX